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.appcb.ap.nic.in

RED CATEGORY
CONSENT & AUTHORIZATION ORDER

Consent Order No : APPCB/VSP/VSP/358/HO/CFO/2019- **24/09/2019**

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. Optimus Drugs Pvt. Limited, Unit –II,
(After expansion)
(formerly M/s. Veerchemie & Aromatics Pvt. Ltd.,),
Plot No.76 & 76/A,
JN Pharmacity, Parawada,
Visakhapatnam
E-mail: **Udayraj.y@optimusdrugs.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 effluents	23.67 KLD	After pre-treatment, shall be sent to MEE of CETP of Pharmacity, Parawada for evaporation.
2	LTDS Effluents	39.16 KLD	After pre-treatment, shall be sent to CETP of Pharmacity for further treatment and disposal.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m^3/hr)
1.	Attached to 1 X 2.0 TPH Coal fired boiler	--
2.	Attached to 1 X 500 KVA DG set	--

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

M/s. Optimus Drugs Pvt. Limited, Unit –II, (formerly M/s. Veerchemie & Aromatics Pvt. Ltd.,), Plot No.76 & 76/A, JN Pharmacity, Parawada, 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	Method of disposal
1	Organic residue	28.1 of Schedule - I	1441.11 Kg/day	To TSDF, Parawada, Visakhapatnam / Authorized cement plants for co-processing / AFRF facility
2	Spent carbon	28.3 of Schedule – I	53.38 Kg/day	
3	Inorganic residue	28.1 of Schedule – I	275 Kg/day	TSDF, Parawada, Visakhapatnam District for secured land filling.
4	ETP sludge	28.1 of Schedule – I	50 Kg/day	
5.	Spent solvents	28.6 of Schedule – I	1.0 KLM	Recovered within the premises / To APPCB authorized stand alone SRS units for recovery

- **HAZARDOUS WASTES WITH RECYCLING OPTION:**

S.No	Name of hazardous waste	Stream	Quantity	Method of disposal
1.	Waste Oil & Grease	5.1 of Schedule – I	50 LPA	Shall be disposed to authorized Re-processors / Recyclers / to the Cement industries for co-processing.
2.	Empty barrels/ Containers & liners contaminated with Hazardous chemicals / Waste	33.1 of Schedule – I	500 nos./ annum	To authorized agencies after complete detoxification

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

Sl. No.	Product name	Production Quantities (Kg/day)	Starting Raw Material & Molecular formula	Daily Consumption of Starting Raw Material (Kg)	No. of Stages
1.	Niacinamide (Existing product)	2000.0	3-Cyano Pyridine	1739.13	1
2.	Nicotinic acid (Existing product)	1735.0	3-Cyano Pyridine	1495.69	1
3.	Pregabalin	82.5	Isovalaraldehyde	90.75	5
4.	Linezolid	235.0	2-[(2S)-Oxiran-2-yl-methyl]-1H-isoindole-1,3 (2H)-dione	283.2	2
5.	Rosuvastatin Calcium	50.0	N-[5-(Bromomethyl)-4-(-4-Fluorophenyl)-6-propan-2-yl) pyrimidin-2-yl]-N-methyl methanesulfonamide phosphonium salt	135.82	2
6.	Rifaximin	133.34	Rifamycin-O	158.4	1
7.	Lornoxicam	33.34	5-Chloro-3-(methoxycarbonyl methylsulfamoyl)-thiophene-2-carboxylic acid methyl ester	80.1	2
8.	Sertaconazole Nitrate	33.34	1-(2,4-Dichlorophenyl-2-(1H-imidazole -1-yl)-ethanol	27.95	2
9.	Tioconazole	33.34	2-Chloro-3-methylthiophene	60.05	2
10.	Clopidogrel Bisulfate	62.5	(S)-Methyl-2-(2-chlorophenyl)-2-((2-(thiophen-2-yl)ethyl) amino)acetate Hydrochloride	115.65	2

11.	Canagliflozin Hemihydrate	33.34	2-(5-Bromo-2-methylbenzyl)-5-(4-fluorophenyl) thiophene	40.8	2
12.	Dimethyl Fumarate	33.34	Maleic Anhydride	40.8	2
13.	Eletriptan Hydrobromide	8.34	(R)-5-Bromo-((1-methyl pyrrolidin-2-yl)methyl)-1H-indole	16.46	3
14.	Fenticonazole Nitrate	33.34	4-(Phenylthio) benzyl alcohol	21	2
15.	Prasugrel Hydrochloride	15.0	2-Bromo-1-cyclopropyl-2-(2-fluorophenyl) ethanone	38.05	3
16.	Dabigatran Etexilate Mesylate	33.34	Ethyl-3-{[3-amino-4-(methylamino) benzoyl](pyridin-2-yl)amino} propanoate	27.95	4
17.	Rivaroxaban	83.34	4-(4-Aminophenyl) morpholin-3-one	56.65	4
18.	Dexlansoprazole	83.34	2-(((3-Methyl-4-(2,2,2-trifluoro ethoxy)pyridin-2-yl)methyl) thio)-1H-benzo[d]imidazole	132.8	1
19.	Apixaban	47.5	1-(4-Iodophenyl)-3-morpholine-4-yl-5,6-dihydro-1H-pyridin-2-one	106.4	3
20.	Montelukast Sodium	83.34	(S,E)-1-(3-(2-(7-Chloroquinolin-2-yl)vinyl)phenyl)-3-(2-(2-hydroxy propan-2-yl)phenyl) propan-1-ol	77.1	2
21.	Luliconazole	83.34	(S)-1-(2,4-Dichlorophenyl)-2-chloroethanol	77.1	2
22	Abiraterone Acetate	8.34	17-Iodo androsta-5,16-diene-3-β-ol	79.15	2

23.	Imatinib Mesylate	8.34	6-Methyl-N1-(4-(pyridin-3-yl) pyrimidin-2-yl)benzene-1,3-diamine	7.0	2
24.	Cabazitaxel	1.67	(2aR,4S,4aS,6R,9S,11S,12S,12aR,12bS)-12b-acetoxy-9-(((2R,3S)-3-((tert-butoxy carbonyl) amino)-3-phenyl-2-((triethylsilyl)oxy)propanoyl)oxy)-11-hydroxy-4,6-dimethoxy-4a,8,13,13-tetramethyl-5-oxo-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-1H-7,11-methanocyclodeca [3,4]benzo [1,2-b]oxet-12-yl benzoate	2.5	1
25.	Gefitinib	6.67	4-Chloro-6-(3-chloropropoxy)-7-methoxyquinazoline	7.0	2
26.	Erlotinib	10.0	6,7-Bis(2-methoxy ethoxy) quinazoline	12.0	2
27.	Dasatinib	3.34	2-((6-Chloro-2-methylpyrimidin-4-yl)amino)-N-(2-chloro-6-methyl phenyl)thiazole-5-carboxamide	3.5	1
28.	Teriflunomide	1.67	5-Methyl isoxazole-4-carboxylic acid	1.25	2
29.	Pomalidomide	1.67	3-Nitrobenzene-1,2-dicarboxylic acid	3.0	3
30	Lenalidomide	3.34	2-(Bromomethyl)-3-nitrobenzoic acid	5.45	2

31.	Latanoprost	4.42	[(Z)-7-(1R,2R,3R, 5S)-5-Hydroxy-2 [(3R)Trimethyl silyloxy-5-(phenyl-1-pentyl)-3-trimethyl silyloxy] cyclopentyl-5-hept-enoic acid]	9.55	2
32.	Ethyl chloro[(4-methoxyphenyl) hydrazono] acetate	8.34	4-Methoxyaniline	9.5	1
33.	3-Chloro-5,6-dihydro-1-(4-nitrophenyl)-2(1H)-pyridinone	8.34	1-(4-Nitrophenyl) piperidin-2-one	11.95	2
34.	3-Morpholin-4-yl-5,6-dihydro-1H-pyridin-2-one	8.34	Piperidin-2-one	10.0	1
35.	3-(4-Morpholinyl)-1-(4-nitrophenyl)-5,6-dihydro-2(1H)-pyridinone	8.34	3-Chloro-5,6-dihydro-1-(4-nitrophenyl)-2(1H)-pyridinone	8.35	1
36.	(3β,8ξ,9ξ,14ξ)-17-Iodoandrosta-5,16-dien-3-ol	3.34	Dehydroepiandrosterone	4.0	2
37.	3-(Diethylboryl)pyridine	16.67	3-Bromopyridine	30.55	1
38.	N'-(4-Pyridin-2-yl-benzyl)-hydrazine carboxylic acid butyl ester	16.67	4-(Pyridin-3-yl)benzaldehyde	16.0	2
39.	Carbamic acid, N-[(1S)-1-[(2R)-2-oxiranyl]-2-phenylethyl]-, 1,1-dimethylethyl ester	16.67	(S)-tert-Butyl-(4-chloro-3-oxo-1-phenylbutan-2-yl) carbamate	53.55	3
40.	N-Methoxycarbonyl-L-tert-leucine	33.34	L-tert-Leucine	28.0	1
41.	N,N-Dimethyl-3-(2-methylphenoxy)-3-phenylpropan-1-amine Oxalate	4.17	Acetophenone	6.0	4
4	Methyl-5-bromo-2-	4.17	5-Bromo-2-	4.5	1

	methyl-benzoate		methylbenzoic acid		
43.	2-[(5-Bromo-2-methylphenyl) methyl]-5-(4-fluorophenyl) thiophene	8.34	2-(5-Bromo-2-methylphenyl)(5-(4-fluorophenyl)thiophene-2-yl) methanone	9.5	1
44.	3-[(3-amino-4-methylamino-benzoyl)-pyridin-2-yl-amino]-propionic acid ethyl ester	8.34	4-Methylamino-3-nitro-benzoic acid	12.0	2
45.	N-(4-Cyanophenyl)-glycine	8.34	4-Aminobenzonitrile	0.95	1
46.	(2S,3S)-1,2-Epoxy-3-(Boc-amino)-4-phenylbutane	16.67	tert-Butyl [(2S)-4-chloro-3-oxo-1-phenylbutan-2-yl]carbamate	23.0	2
47.	Carbonic acid-2,5-dioxo-1-pyrrolidinyl [(3R,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl] ester	16.67	(3aS,4S,6aR)-tetrahydro-4-methoxy [3,4-b]furan-2(3H)-one	13.5	2
48.	2-(2-Hydroxyphenyl)-4H-Benzo [e] [1,3] oxazin-4-one	33.34	Salicylic acid	41.5	1
49.	(2-Butyl-5-nitrobenzofuran-3-yl)(4-hydroxyphenyl) methanone	16.67	2-Butyl-5-nitrobenzofuran	17.5	2
50.	(R)-5-Bromo-3-((1-methylpyrrolidin-2-yl) methyl)-1H-indole	16.67	(R)-1-((Benzyloxy) carbonyl) pyrrolidine-2-carboxylic acid and 5-bromo-1H indole	41.7	3
51.	Phenyl Vinyl Sulfone	16.67	Thiophenol	41.55	2
52.	4-[(2-Cyanopropan-2-yl)amino]-2-fluoro-N-methylbenzamide	4.17	4-[(2-Cyanopropan-2-yl)amino]-2-fluoro-N-methylbenzamide	5.5	2
53.	4-Isothiocyanato-2-(trifluoromethyl)benzonitrile	4.17	4-Amino-2-(trifluoromethyl) benzonitrile	4.25	1
54.	Ethyl (4-amino-2-nitrophenyl)carbamate	12.5	Ethyl (4-(1,3-dioxoisoindolin-2-yl)phenyl)carbamate	32.5	2

55.	(3aR, 4S, 7R, 7aS)-4,7-methano-1H-isoindole-1,3-(2H)-dione	12.5	Cis-5-Norbornene-exo-2,3-dicarboxylic anhydride	14.5	2
56.	(1R,2R)-Cyclohexane-1,2-dibis(methylene) dimethylsulfonate	8.34	(1R,2R)-Cyclohexane-1,2-diyldimethanol	5.0	1
57.	(1R)-2-{[2-(4-Nitrophenyl)ethyl]amino}-1-phenylethanol Hydrochloride	16.67	(R)-(−)-Mandelic acid	17.01	2
58.	(R)-2-[2-(4-Aminophenyl)-ethylamino]-1-phenyl-ethanol Hydrochloride	16.67	(1R)-2-{[2-(4-Nitrophenyl)ethyl] amino}-1-phenylethanol Hydrochloride	24.0	1
59.	5,6,7,7a-Tetrahydrothieno[3,2-c]pyridine-2(4H)-one Hydrochloride	8.34	4,5,6,7-Tetrahydrothieno[3, 2-c] pyridine Hydrochloride	16.45	3
60.	Cyclopropyl-2-fluorobenzyl ketone	8.34	2-(2-Fluorophenyl)acetic acid (Crude)	20.45	2
61.	2-Fluoro-a-cyclopropyl carbonylbenzyl Bromide	8.34	2-Fluorophenyl Acetic acid	6.65	2
62.	2-(1-Cyano-3-Methyl-Butyl)-,1,3-Diethyl ester Propanedioic acid	416.67	Isovalaraldehyde	185.2	2
63.	(+/-)-3-(Aminomethyl)-5-methylhexanoic acid	162.5	Isovalaraldehyde	136.2	3
64.	3-Isobutyl-pentanedioic acid dimethyl ester	50.0	Isovalaraldehyde	20.0	1
65.	4-Amino-3-Fluorophenol	8.34	3-Fluoro-4-Nitrophenol	11.5	1
66.	4-(4-Aminophenyl)morpholin-3-one	33.34	2-(Phenylamino)ethanol	46.0	3

67.	3-Cyclopropylmethoxy-4-difluoromethoxy-benzoic acid	8.34	4-(Difluoromethoxy)-3-hydroxy benzaldehyde	11.0	2
68.	4-Difluoromethoxy-3-hydroxybenzaldehyde	8.34	3,4-Dihydroxybenzaldehyde	11.0	1
69.	(S)-1-Phenyl-1,2,3,4-Tetrahydro isoquinoline	29.0	2-Phenylethanamine	62.5	5
70.	(+/-)-1-Phenyl-1,2,3,4-Tetrahydro isoquinoline	66.67	2-Phenylethanamine	72.0	3
71.	4,6-Dichloro-5-amino-2-(propylthio)pyrimidine	8.34	2-Propylsulfanyl pyrimidine-4,6-diol	17.45	3
72.	5-Methylisoxazole-4-carboxylic acid	8.34	Ethyl Acetoacetate	20.95	3
73.	3-(4-Chlorobutyl)-1H-indole-5-carbonitrile	16.67	1H-Indole-5-carbonitrile	30.05	2
74.	5-(Piperazin-1-yl)benzofuran-2-carboxamide	16.67	Ethyl-5-nitro-1-benzofuran-2-carboxylate	37.05	3
75.	5-(1-Piperazinyl)-2-Benzofurancarboxylic acid ethyl ester Hydrochloride	16.67	Ethyl-5-nitrobenzofuran-2-carboxylate	130.15	2
76.	Ethyl-5-amino-1-benzofuran-2-carboxylate Hydrochloride	8.34	Ethyl-5-nitro-1-benzofuran-2-carboxylate	9.0	1
77.	2-(2-Ethoxyphenyl)-5-methyl-7-propylimidazole [5,1 f] [1,2,4] triazin-4-(3H)-one	8.34	N-(1-(3-(2-Ethoxyphenyl)-5-oxo-4,5-dihydro-1,2,4-triazin-6-yl)ethyl)butyramide	0.35	1
78.	5-Chloro-2, 4-dichlorosulfonyl anline	150.0	m-Chloroaniline	75.0	2
7	R&D	5.0	--	--	--

	maximum any 6 products at a time along R&D	4704.17			
• The industry is permitted to manufacture 50% of permitted quantity as per CFE(expansion) order as **maximum any 6 products at a time along R&D -4704.17 Kg/day.**					

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 **31st day of May, 2022.**

Bandla Siva Sankar Prasad
Digitally signed by Bandla Siva Sankar Prasad
Date: 2019.09.24 17:58:00 +05'30'

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

To
M/s. Optimus Drugs Pvt. Limited, Unit –II,
(formerly M/s. Veerchemie & Aromatics Pvt. Ltd.,),
Plot No.76 & 76/A,
JN Pharmacity, Parawada,
Visakhapatnam

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. 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 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 CFO & HWA order No. APPCB/VSP/VSP/358/HO/CFO/2017, dated 06.07.2017**,** stands cancelled from the date of issue of this order which is valid upto 30.02.2022 to the RO, Visakhapatnam after receipt of this order.
2. The Board vide order dated 06.07.2017 issued CFO & HWA to the industry to manufacture 3 no. of products on campaign bases i.e., one product at any point of time with production capacity of 4.0 Tons/day for a period up to 30.05.2022. Further, the Board vide order dated 12.03.2019 issued CFE Expansion to the industry with total production capacity (Maximum any 6 products at a time along R&D) is 9403 Kgs/day. Now the industry applied for CFO (expansion) to manufacture only for 50 % of the products permitted in CFE (expansion) order in Phase-I by reducing the production quantity, water consumption, waste water generation and Hazardous waste generation.
3. The Committee noted the following non compliances:
    a. The industry has installed 1 x 2.0 TPH coal fired boiler
    b. Solvent storage tanks not connected with vent condensers to prevent solvent vapours.
    c. The industry has not installed solvent recovery system.
    d. The industry has not constructed storm water drains.
    e. The industry has developed green belt in an extent of 1.50 Acres (14.5%) against required green belt area of 3.41 acres to achieve 33% of the total area.

f. The industry not yet provided online pH meter to the scrubber.
g. The industry shall provide separate flow meters for water used for scrubbers and maintain records.

4. The representative of the industry attended the meeting and informed the following:
    a. They have issued P.O for procurement of 08No's of vent condensers for the solvent storage tanks and same will be installed by 31.12.2019.
    b. Solvent recovery system is proposed in phase – II and till the installation of the solvent recovery system, they will carryout simple distillation in their existing production blocks or will send to APPCB authorized recovery units.
    c. They have completed the construction of the storm water drains.
    d. They have already dedicated the required area for the development of the green belt and they will complete green belt development within one month time i.e., end of October, 2019.
    e. Online pH meter is installed for one scrubber and for remaining scrubber will installed by 31.12.2019.
    f. Flow meters will be installed for the water used for scrubbers by 31.10.2019.
5. After detailed discussions on verification report of the EE, RO: Visakhapatnam, agenda and submissions of the representatives of the industry, the committee recommended to issue CFO & HWA expansion order to the industry by stipulating the following:
    a. The industry shall obtain CFO & HWA for phase –II and shall manufacture consent products not exceeding the permitted quantity.
    b. The industry shall not operate 1 X 3.0 TPH & 1 X 8.0 TPH without CFO of the Board.
    c. The industry shall install vent condenses for the solvent storage tanks by 31.12.2019.
    d. The industry shall develop remaining greenbelt within one month time i.e., end of October, 2019.
    e. The industry shall install online pH meter for remaining scrubber by 31.12.2019.
    f. The industry shall install flow meters for the water used for scrubbers by 31.10.2019.

WATER POLLUTION:

1. The source of water is JNPC Supply. The following is the permitted water consumption:

S. No.	**Purpose**	**Quantity (KLD)**
1.	Process	20.16

2.	Washings	23.0
3.	Boiler makeup	37.5
4.	Cooling Towers Makeup	63.0
5.	Scrubbers System	2.5
6.	DM Plant	2.0
7.	Domestic	2.5
8.	Gardening	8.0
	Total	**158.66**

2. 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.
3. The LTDS effluents sent to CETP, Pharmacity shall not contain constituents in excess of the tolerance limits mentioned below, as per their MoU with M/s Ramky Pharma City.

Outlet No.	Parameter	Concentration in mg/l
2	$_{P}H$	6.50 – 8.50
	Temperature ^{o}C	< $45^{0}C$
	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 Pharmacity for evaporation.

4. The industry shall segregate the HTDS&LTDS effluents and shall send the effluents separately and maintain Electro Magnetic flow meters with totalisers for effluent quantity measurement for HTDS & LTDS effluent.
5. The LTDS and HTDS effluents shall be collected at production block and stored in above ground level tanks separately.
6. The industry shall cover the HTDS and LTDS storage tanks and the vents shall be connected to the scrubber to avoid smell nuisance at effluent storage area.
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 maintain proper manifest system for effluent transported to CETP.
9. The industry shall submit the details of quantity of High TDS and Low TDS effluents sent to CETP of Pharmacity every month along with manifests to the RO, Visakhapatnam.
10. The industry shall construct container de-toxification 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.
11. The industry shall 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.
12. 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. The industry shall maintain web camera and flow meters as per CPCB protocol. The data shall be connected to the APPCB & CPCB servers.

AIR POLLUTION:

13. The industry shall install energy meter to Air Pollution Control Equipment and maintain the records.
14. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards
1	Particulate Matter	100 mg/Nm^3

15. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10 microns) - 100 micro gram/ m3; PM2.5 (Particulate Matter size less than 2.5 microns) - 60 micro gram/ m3; SO2 - 80 micro gram/ m3; NOx - 80 micro gram/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)

16. 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.
17. The industry shall maintain multi-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.
18. The industry shall maintain VOC analyzers with recording facility and report the compliance to RO, Visakhapatnam. Scrubber solution shall be recycled as far as possible and finally sent to CETP of Pharmacity for further treatment.
19. 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 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.

20. The industry shall not use odour causing substances such as Mercaptan or cause odour nuisance in the surroundings.

GENERAL:

21. The industry shall not manufacture new products and not exceeding the consented quantity, other than those mentioned in this order.
22. The industry shall not start for phase –II and operation of 1 X 3.0 TPH & 1 X 8.0 TPH without CFO of the Board.
23. The industry shall install vent condensers for the solvent storage tanks by 31.12.2019.
24. The industry shall develop remaining greenbelt within one month time i.e., end of October, 2019.
25. The industry shall install online pH meter with data logger for remaining scrubber by 31.12.2019.
26. The industry shall install flow meters for the water used for scrubbers by 31.10.2019.
27. The industry shall obtain PLI policy which includes ERF immediately.
28. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:

    i. Daily production details (ER-1 Central Excise Returns).
    ii. Quantity of Effluents generated, treated, recycled/reused and disposed to CETP.
    iii. Log Books for pollution control systems.
    iv. Characteristics of effluents and emissions.
    v. Hazardous/non hazardous solid waste generated and disposed.
    vi. Inspection book.
    vii. Manifest copies of effluents / hazardous waste.

29. The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Board.
30. 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:

    i. Chlordecone,
    ii. Hexabromobiphenyl,
    iii. Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octa-BDE),
    iv. Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial penta-BDE),
    v. Pentachlorobenzene,
    vi. Hexabromocyclododecane and
    vii. Hexachlorobutadine.

31. 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.

32. The industry shall follow the SOP for Safe and Scientific Spent Solvent Handling, Processing and Storage.
33. 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.
34. 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.
35. The industry shall submit AAQ monitoring reports conducted by authorised agency every month.
36. 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. 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 not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
11. 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.

12. The industry shall transport the hazardous waste to cement industries through GPS vehicle.
13. 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.
14. 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.
15. 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.
16. 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.
17. Hazardous Waste annual return shall be filed by June 30th for the period ensuring 31st 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 NABL accredited third party.

Bandla Siva Sankar Prasad
Digitally signed by Bandla Siva Sankar Prasad
Date: 2019.09.24 17:58:50 +05'30'

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

To
M/s. Optimus Drugs Pvt. Limited, Unit –II,
(formerly M/s. Veerchemie & Aromatics Pvt. Ltd.,),
Plot No.76 & 76/A,
JN Pharmacity, Parawada,
Visakhapatnam