

### VASUDHA PHARMA CHEM LIMITED

Unit-II : Plot No-79, Jawaharlal Nehru Pharma City, Thanam Village, Parawada (M), Visakhapatnam - 531019

Andhra Pradesh, INDIA.

Phones: +91-8924-324242, 236006/007/008

To. To. To.

Fax : +91-8924-236009

Website: www.vasudhapharma.com

Location: Factory Date: 25/06/2020

The Member Secretary,
ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No. 33-26-14 D/2,
Near Sunrise Hospital,
Pushpa Hotel Centre,
Chalamalavari Street,
Kasturibaipet, Vijayawada – 520010

Dear Sir,

Sub: Submission of CFO compliance Report – reg

We are here with CFO compliance Report of Vasudha Pharma Chem Limited,

Unit II having Consent order No: APPCB/VSP/VSP/304/HO/CFO/2019 dated: 15/02/2019.

This is for your information and records please

Thanking you,

For Vasudha Pharma Chem Ltd., Unit – II,

Ruthorized Signatory

Authorized Signatory

B. SAMBASIVA RAO,

Head, Mfg.works

Encl: CFO compliance Report

CC: The Environmental Engineer, A.P. Pollution Control Board, Regional Office, Madhavadhara, VUDA Layout, Beside RTO Office, Visakhapatnam – 530 018.

# CFO (Unit-II) - CONDITIONSCOMPLIANCE (Consent order No. APPCB/VSP/VSP/304/HO/CFO/2019 -, dated 15.02.2019) SCHEDULE - A

Date: 25/06/2020

7 6	S	4	W	2	1	SNo
before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.  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	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.	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.	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.	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.	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.	CONDITION
Noted and Complied.  Noted and Complied. CFO Order received in the month of February '2019 with validity up to 31-01-2024	Noted and Agreed	Complied. Provided in front of Factory Main gate	Agreed and Being Complied	Agreed and Being Complied	Noted and Agreed	Vasudha Response

∞	
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.	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.
Noted	



### SCHEDULE-B

	4				در							2						<b></b>
1 & 2	Outlet	dt.09.05.2007 dt.01.10.2007.	of the	month and n the readings	Digital provide		8	7	6	5	4	3	2	_	o S.N	water c	The sol	The ind APPCE validity this ord date of
Ph Temperature <sup>0</sup> C TDS TSS	Parameter	5.2007 with Ramky pharma 0.2007.	of the tolerance limits mentioned below as per their	month and maintain them properly and also maintain the records of the readings.	Digital flow meters with totalizers with necessary pipelines shall be provided so as to assess the water used for different purposes within	Total	Gardening	Domestic	Raw water RO Plant (Drinking)	PD & QC	Scrubber	Cooling Towers Makeup	Boiler Feed	Process & Washings	Purpose	water consumption:	The source of water is INPC Supply The following is the permitted	The industry shall handover the original Consent order No. APPCB/VSP/VSP/304/HO/CFO/2016, dated 30.06.2016 having validity upto 31.05.2021 to the RO, Visakhapatnam after receipt of this order and the same stands cancelled from the date of receipt of this order.
6.50 – 8.50 <45°C 12,000 mg/l 600 mg/l	Concentration in mg/l	dt.09.05.2007 with Ramky pharma city and committed vide letter dt.01.10.2007.	The LTDS effluent discharged shall not contain constituent in excess of the tolerance limits mentioned below as per their MOU	also maintain the records of	Digital flow meters with totalizers with necessary pipelines shall be provided so as to assess the water used for different purposes within 1	235.3	7.0	20.0	g) 12.0	3.0	10.0	50.0	55.0	78.3	Quantity (KLD)	0	The following is the permitted	al Consent order No. , dated 30.06.2016 having isakhapatnam after receipt of ed from the
	Noted and Agreed. The LTDS are well within the prescribed limits.			for different purposes.	We arranged analog flow meters to assess water used							within the consented limits.	Complied. All water consumption patterns are well					Noted and Submitted in Regional office, APPCB, Visakhapatnam



R. 5. Rue 25/06/2020

_	9 0	8 S	7 a a a	6 T	5 c v v	0887						euten meneral			2	
The drums containing chemicals / solvents shall be stored under a roof on elevated platform with a provision to collect	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.	The industry shall maintain rainwater runoff tank for collection and storage of first flush storm water. The industry shall maintain dry condition outside drains in non-rainy season.	Effluents shall not be discharged on land 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.	The LTDS and HTDS effluents shall be stored in above ground level collection tanks separately.	The industry shall install and maintain Electro Magnetic flow meters with totalisers for effluent quantity measurement for HTDS & LTDS effluent immediately. The industry shall install and maintain web camera for flow meters and connect the same to the CPCB immediately.	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.	Arsenic (as As) Mercury (as Hg)	Zinc (as Zn)	Lead (as pB) Nickel (as Ni)	Cyanide (as CN)	Ammonical Nitrogen (as N)	Chromium (total) (as Cr)	(as C:+6)	Oil and Crease	COD	BOD
shall be stored ovision to collect	xified at the specified wash wastewater shall be aracterization.	ff tank for collection and stry shall maintain dry	r any water bodies or s. Floor washings shall be ly and shall not be drains or open areas.	ored in above ground level	ctro Magnetic flow meters ement for HTDS & LTDS stall and maintain web me to the CPCB	and LTDS effluent meeting the above tents and shall be sent	0.20 mg/l 0.01 mg/l	15 mg/l	1 mg/1	$0.20~\mathrm{mg/l}$	$30\mathrm{mg/l}$	2  mg/l	7 1118) 1	20 mg/l	8,000 mg/l	$3,000  \mathrm{mg/l}$
Noted and Being complied	Noted and Complied	Noted and Being Complied	Noted and Being complied.	Noted and Complied	Noted and Complied	Noted and Being Complied										



8.5 Row 25/06/2020

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) - 50 micro gram/ m3; SO2 - 80 micro gram/ m3; NOx - 80 micro gram/rm3; subside the factory premises at the periphery of the industry.  Standards for other parameters as mentioned in the National Ambient Air Quality Standards CFCB 3 sotification No.B-29016/20/90/PCI-I	The emissions shall not contain constituents in excess of the prescribed limits mentioned below:  Chimney No. Parameter Standar  1,2,3 & 4 Particulate matter  Acid mist  35 mg/N		The industry shall maintain dry condition outside drains in un-rainy season.  AIR POLLUTION:	The industry shall submit the details of quantity of High TDS and Low TDS effluents sent to CETP of Pharmacity every menth to the RO, Visakhapamam.	The industry shall maintain proper manifest system for effluent transported to CETP. They shall submit monthly reports to the E.E., RO-Visakhapatnam.	The industry shall comply with CPCB directions dated 05 02.2014 / 02.03.2015 and guidelines issued regarding online monitoring systems bound from time to time. The online monitoring system shall be calibrated periodically per equipment suppliers manual / CPCB guidelines.	readages / spinages in the seneonon pro
standards ons) - 100 Somplied. Ambient air quality monitoring is being done every month by external agency and parameters ises at the limits. The monitoring reports are being submitted to APPCB  National Ambient O16/20/90/PCI-I.	Emission Standards 100 mg/Nm³ 25 mg/Nm³ Complied. Emissions are within the prescribed limits only	orie pollution tipulated Noted and Complied.	Noted and	DS	Noted and Being complied. We are disposing effluents to CETP through manifest system and we are submitting manifest copies to the E.E., RO-Visakhapatnam every month.	ated  rding  The  Noted and Agreed  ically as	



i. In all processes we have chilled water and chilled brine circulation for product coolers. ii. We are transferring solvents by using centrifugal pumps. iii. We are using closed centrifuges. iii. We are using closed centrifuges. iv. Reactors vents are connected with primary and secondary condensers. v. Noted and We have covered the solvent storage tanks with Arma flex to control heat transfer and some are arranged under roof. We are in process to connect all solvent storage tanks with vent centensers.	The evaporation losses in solvents shall be controlled by taking suitable measures, which include:  1. Chilled brine circulation to effectively reduce the solvent losses into the atmosphere.  2. Transfer of solvents by using pumps and closed conveyance instead of manual handling.  3. Closed centrifuges be used due to which solvent losses are reduced drastically.  4. The reactor vents connected with primary & secondary condensers to catch the solvent vapours.  5. All the solvent storage tanks are connected with vent condensers to prevent solvent vapours.	23
Noted and Complied	The industry shall maintain online VOC analyzer and the monitoring records shall be submitted to the RO Visakhapatnam.	22
Noted and Being Complied	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 Pharmacity for further treatment.	21
Noted and Being Complied	The industry shall maintain multi stage scrubber with online pH meters to control gaseous emissions. The scrubbed solutions shall be recycled to the maximum extent. The details of chemicals consumption used in the scrubber shall be recorded and kept accessible for the inspection officials of the Board.	20
Noted and Complied	The industry shall install and operate the two stage scrubber for scrubbing of process emissions at all emission sources.	19
Noted and Being Complied	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.	18
1. [1] 2. [1] 2. [2] 2. [2] 2. [3] 2. [3] 2. [4] 3.	The industry shall comply with enrission 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	
The without graph of the State	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)	



	Noted and Being Complied.	The industry shall dispose solid waste (NON HAZARDOUS) as	33
	Noted and Being Complied. Submitting AAQ monitoring reports to RO VSP, APPCB on monthly basis	The industry shall submit AAQ monitoring reports conducted by Authorized Agency every month.	32
	Being Complied. All the records are maintained	The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:  1. Daily production details (ER-1 Central Excise Returns).  2. Quantity of Effluents generated, treated, recycled/reused and disposed to CETP.  3. Log Books for pollution control systems.  4. Characteristics of effluents and emissions.  5. Hazardous/nonhazardous solid waste generated and disposed.  6. Inspection book.  7. Manifest copies of effluents / hazardous waste.	31
B 7	No other product is manufactured other than consent products.	The industry shall not manufacture any product, other than those mentioned in this order.	30
	Noted and Complied	The industry shall maintain online real time monitoring (web camera) facilities to flow meters as per CPCB guidelines.	29
	Noted and Being Complied	The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Board.	28
	Noted and shall be complied.	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.	27
8		GENERAL:	GE.
	Noted and Agreed	The industry shall inform the APPCB, Regional Office during Maintenance Air pollution control equipments.	26
	Noted and Effluents storage tanks covering is completed but scrubber installation work under process.  We are attaching photo as an annexure.	The industry shall provide the hood on the top of the effluent storage tank within 3 months as committed in the CFO Committee meeting held on 08.02.2019.	25
	Noted and Taken all the measures to control the odour nuisance	The industry shall not use odour causing substances such as Mercaptan or cause odour nuisance in the surroundings.	24



34										
Green belt of ac the boundary of within 1 month	w			2				Zo.	Ś	follows:
Green belt of adequate width and density shall be maintained along the boundary of the industry with minimum area of 33% of total area within 1 month.	Metal scrap (MS, SS, GI & Aluminium)	wood, carton & ropes etc.,	packing materials i.e.	Paper, cotton waste &		27	Coal ash		Name of the Solid Waste	
shall be ma um area of 3	2 TPM		month	500 Kgs/			5.0 TPD	V	Quantit	
intained along 3% of total area		ers	agencies/recycl	Sale to outside	Manufacturers	Brick	Disposed to	,	Disposal	
Complied. At present we have green belt at site and also along the boundary of the industry. Due to space constraint in the plant we have developed greenery in 3 acres at various areas in Lalamkoduru Village, Rambilli mandal, Visakhapatnam, Andhra Pradesh. Hence, We request you to kindly consider the above information.					۰					



R-5-Row 25/06/2020

## [CONITIONS OF AUTHORIZATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS SCHEDULE - C WASTES

	Chounting of the year.	
Noted and Being complied	Annual return shall be filed by June 30th for the period	10
Noted and Agreed	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.	9
Noted and Agreed	An application for the renewal of an authorization shall be made as laid down under these Rules.	∞
Noted and Agreed	It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.	7
Noted and Agreed	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".	6
Complied and We are attaching a copy of mock drill conducted recently as an Annexure.	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;	S
Noted and Agreed	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.	4
Noted and Agreed	The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.	w
Noted and Agreed	The authorization shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.	2
Noted and Agreed	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	<b>)</b> ——A



8-5-Com 25/06/2020

16	15	14	13	12	
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 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.	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.	The industry shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	The industry shall transport the hazardous waste to cement industries through GPS vehicle.	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 coincineration.
Noted and Being Complied.	Complied. As per APPCB instructions we are transporting and disposing hazardous waste through APPCB Online manifest system through online.	Noted and Being Complied	Noted and Being complied	Noted and Being Complied	Noted and Agreed



### **ANNEXURE**







### VASUDHA PHARMA CHEM LTD

### MOCK DRILL REPORT

Date of Mock Drill

Block - IIB, day storage tank area Area of Mock Drill

Nature of Emergency Fixe

P. Govinda Incident observed by

Time of observance 11: 30 hes

Time of information given to Incident Controller:

Time of emergency declaration : 11: 32 hus

Time of emergency call given:

OK / Not-OK Functioning of Megha Phone:

Name of the Incident Main Controller

Time of arrival by Incident Main Controller / SMC: 11: 33 has : B. Sambasiva Rao

11:35 hes Time of arrival by First Aid team

S. Apparano Names of First Aid team members

Time of arrival by Fire fighters

Names of Fire Fighters

Time of arrival by Rescue team members

Names of Rescue team members

EFFECTIVE DATE: 08/11/2016

EHS/028/F02/00





### MOCK DRILL REPORT

Other key personnel arrival time: Name:

11:36 hus Time:

Name:

Time:

Name:

Time:

Name:

Time:

In case of Fire:

No. of Fire Extinguishers brought

. ril

No. of Fire Hydrant posts operated

Drun Hose need had been operated

No. of Foam monitors operated

Whether evacuation declared

Head count taken by

K. mohan Rao

Whether any person missing

Whether Search party deputed & names

Time of finding of missed person

Whether any person injured

Is First Aid given to injured person

Time of arrival of Ambulance

Time of sending injured persons to the hospital : \_ ~~

Time of Emergency controlled

Emergency call off (All Clear) siren given time

Remarks by observers:

### OBSERVERS:

1. Name: T Charapaltilas

2. Name: M. Ranjth Kunar

Designation: Sv Exelutive

Designation: Deputy Manager

Signature Jenes 19/03/2050 Signature:

EHS/028/F02/00

EFFECTIVE DATE: 08/11/2016



### VASUDHA PHARMA CHEM LIMITED

### UNIT - II

### FIRE MOCK DRILL REPORT

<u>Objective:</u> A mock drill of On-site emergency plan was conducted at the site to check the emergency preparedness.

Date and time of Drill: 16th March, 2020 at 11:30 hrs

<u>Scenario Details:</u> A scenario having safety and emergency response was considered for the drill. The mock scenario considered as localized Fire mock drill, fire had been occurred at Block - IIB day storage tank area, upon receiving the information the corresponding block personnel got alerted to suppress the fire and to bring the situation to normal.

### Key personal participated:

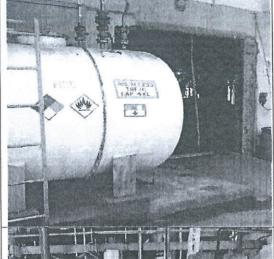
S.No.	Role	Name of the Person
1.	Site Main Controller	B. Sambasiva Rao
2.	Incident Controller	M. Nagaraju
3.	Coordinators	Security, EHS & concerned HOD's
4.	Rescue Team	CH. Mahesh
5.	Fire Fighting Team	S. Raju
6.	First Aid Team	S. Apparao
7.	Evacuation Team	G. Sanyasi rao

Observers: Two observers were appointed to review the event

- 1. M. Ranjith Kumar (Dy.Manager-Electrical)
- 2. T. Chalapathi Rao (Sr. Executive Production)



### PHOTOGRAPHS OF FIRE MOCK DRILL



Scenario spot

Fire scenario spot had been set up at BIIB THF flammable solvent day storage tank area



Observer giving the information to incident controller

Mr. P. Govinda observed the situation and immediately rushed to the incident controller and informed about the situation.



Incident controller informing to security

On receiving the information and after assessment of the situation, Incident controller Mr. G. Sanyasi rao giving information to security over phone (Emergency contact No.: 222).





Security Personnel recording the information

Mr. K.Mohan Rao, security officer recording the information and alerted the employees in the production block - IIB



Alerting the employees in the block

Mr. L. Apparao, raised the fire alarm by activating MCP and alerted the employees



Controlling of the fire through fire fighting

As per the instructions of Incident controller, firefighting team member Mr. S.Raju extinguishing out the fire with drum hose reel





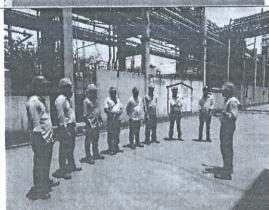
Routing out the used water into rain water collecting pit

The water that has been used for extinguishing out the fire had been routed and collected in rain water collecting pit



Water collected into fire water retention tank

From rain water collection pit, the water that had been used for firefighting operation had been collected in fire water retention tank through pump



After controlling the emergency, E.H.S Team leader Mr. K. Srinivasa rao reviewing about the mock drill with Block – IIB employees



8.5. Ros 25/06/2020

### Observer's Observations:

1. Run off water slightly leakage from main gate valve

### CAPA:

Leakage from main gate valve : (observation 1)
 Leakage to be arrested

### **CAPA STATUS:**

1. Observation 1: Complied

