

**ANDHRA PRADESH POLLUTION CONTROL BOARD**

D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010  
Website: www.pcb.ap.gov.in

**CONSENT ORDER FOR ESTABLISHMENT****Order No.339/APPCB/CFE/RO-VSP/HO/2014****06/03/2020**

Sub:APPCB – CFE - M/s. Valens Molecules Pvt Ltd., (Formerly M/s. Posh Chemicals Pvt Ltd.,) Plot No. 24/C, Sy No. 18P, 19P & 25P, Atchuthapuram APSEZ (De-notified Area), Lalamkoduru (V) & part of Gurajapalem (V), Ramballi (M), Visakhapatnam District - Consent for Establishment (CFE) of the Board for expansion under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.

- Ref: 1. Industry's CFE expansion application received through AP OCMMS on 11.02.2020.  
2. R.O's inspection report dt. 25.02.2020.  
3. CFE Committee meeting held on 28.02.2020.

1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for **EXPANSION** to produce the following products with installed capacities as mentioned below, without any additional investment.

As per CFE order dt. 27/10/2014:

S. No.	Name of the Products and By-products	Capacity (Kg/day)
1.	Ferrous Calcium Citrate	<b>483.33</b>
2.	Phenazopyridine Hydrochloride	166.67
3.	Sulfapyridine	<b>972.33</b>
4.	Sulfasalazine	<b>833.33</b>
5.	Acyclovir	<b>278.33</b>
6.	Valaciclovir Hydrochloride	<b>278.33</b>
7.	N-Acetylsulfanilyl Chloride	<b>1500.00</b>
8.	Metoprolol Tartarate	<b>278.33</b>
9.	Clopidogeral Bisulfate	278.33
10.	Zidovudine	166.67
11.	Imatinib	69.50
12.	Gefitinib	69.50
13.	Tretinoin	14.00
	<b>Total production capacity (any 7 products at a time)</b>	<b>4623.98</b> <b>= 4624 Kg/day</b>

Out of 13 products (12 Bulk drugs & 1 bulk drug intermediate), 7 products shall be manufactured at any point of time, on campaign basis.

## After Expansion:

S. No.	Product name	Production Quantity (Kg/day)	No. of Stages	Starting Raw Material	Qty of Starting Raw material (Kg/day)
<b>Regular product</b>					
1.	Sulfadimethoxine	<b>583.33</b>	5	Urea	417.33
<b>Campaign products</b>					
2.	Sulfapyridine	<b>1200</b>	1	2-Amino Pyridine	552.33
3.	Sulfasalazine	<b>1300</b>	3	Sulfapyridine	1300
4.	N-Acetylsulfanilyl Chloride	<b>1583.33</b>	1	Acetanilide	1219.17
5.	Sulfathiazole	274.00	2	Vinyl Acetate	320
6.	Sulfadimethoxine Sodium	200.00	6	Urea	125.2
7.	Sulfadiazine	233.33	3	Gunadine Hydrochloride	42
8.	Sulfamethazine	233.33	3	Gunadine Nitrate	176.17
<b>Maximum proposed production quantity on various combinations (1 Regular Product + 3 Campaign Products at a time)</b>		<b>4666.67 Kg/day</b>			

**Maximum 4 products (1 Regular and 3 Campaign Products) will be manufactured from 8 products (1 Regular and 7 Campaign Products) on campaign basis either Bulk Drugs or Corresponding quantities of intermediates as per the market demand.**

2. As per the application, the above activity is to be located in the existing premises located at **Plot No. 24/C, Sy No. 18P, 19P & 25P, Atchuthapuram APSEZ (De-notified Area), Lalamkoduru (V) & part of Gurajapalem (V), Ramballi (M), Visakhapatnam District** in an area of 10.001 Acres.

3. The above site was inspected by the Asst. Environmental Engineer-II, Regional Office, Visakhapatnam, A.P Pollution Control Board on 21.02.2020 and observed that the site is surrounded by

**North** : 30.0 m wide road followed by M/s. Swasa Pharmaceuticals  
**South** : 45.00 m wide road  
**East** : Plot No. 24 D  
**West** : M/s. Vasudha Chemicals

4. The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendations of the CFE Committee, hereby issues **CONSENT FOR ESTABLISHMENT FOR EXPANSION** to the project under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to manufacture the products as mentioned at para (1) only.**

5. This Consent order issued is subject to the conditions mentioned in the Annexure.
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.
7. **This order is valid for period of 7 years from the date of issue.**

Encl: Annexure

**VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APPCB  
MEMBER SECRETARY**

**To**

**M/s. Valens Molecules Pvt Ltd.,  
(Formerly M/s. Posh Chemicals Pvt Ltd.,)  
Plot No. 24/C, Sy No. 18P, 19P & 25P,  
Atchuthapuram APSEZ (De-notified Area),  
Lalamkoduru (V) & part of Gurajapalem (V),  
Ramballi (M), Visakhapatnam District.  
sales@valensmolecules.com**

Copy to: 1. The JCEE, Z.O: Visakhapatnam for information and necessary action.  
2. The EE, R.O: Visakhapatnam for information and necessary action.

**Annexure**

1. The proponent shall obtain Consent for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the trial runs.
2. The applicant shall provide separate energy meters for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.
3. The industry shall construct separate storm water drains and provide rain water harvesting structures. No effluents shall be discharged in to the storm water drains.

**Water:**

4. **The source of water is APSEZ, Atchutapuram and the maximum permitted water consumption is as following:**

S. No.	Purpose	As per CFE dt.27.10.2014 Qty( KLD)	After expansion (KLD)
1.	Process	78.0	124.0
2.	Washings (Reactors, Containers and floor moping)	3.00	3.0
3.	Boiler makeup	44.00	44.0
4.	Cooling towers Makeup	120.00	120.0
5.	DM Plant regeneration	4.0	4.0
6.	R & D, Q.C	1.0	1.0
7.	Scrubbers system	9.00	9.0
8.	Domestic	9.00	9.0
9.	Gardening	17.00	17.0
	<b>Total</b>	<b>285.0</b>	<b>331.0</b>

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

5. **The maximum waste water generation shall not exceed the following:**

Sl. No	Source	Quantity as per CFE dt:27.10.2014 (KLD)			After expansion (KLD)		
		HTDS	LTDS	Total	HTDS	LTDS	Total
1	Process	45.7	48.6	94.3	96.6	45.3	141.9
2	Washings	--	3.0	3.0	---	3.0	3.0
3	Boiler Blow down	--	8.0	8.0	---	8.0	8.0
4	Cooling towers blow down	--	10.0	10.0	---	10.0	10.0
5	DM Plant regeneration	--	4.0	4.0	---	4.0	4.0
6	R & D, Q.C	--	1.0	1.0	---	1.0	1.0
7	Scrubber	9.0	--	9.0	9.0	---	9.0
8	Domestic	--	7.2	7.2	---	7.2	7.2
	<b>Total</b>	<b>54.7</b>	<b>81.8</b>	<b>136.5</b>	<b>105.6</b>	<b>78.50</b>	<b>184.10</b>

**ETP Details & Mode of Disposal (after expansion):**

Outlet No.	Source of effluent	Treatment	Point of Disposal
1.	HTDS & HCOD effluent	Equalization cum neutralization tank.	To M/s. AETL (CETP, Atchuthapuram) for further treatment and disposal. The industry shall dispose the effluent to the CETP, Ramky Pharmacy until M/s AETL commences the operations. If the capacity of CETP, JNPC is not sufficient in future, then the permission to send effluents to CETP of JN Pharmacy, will be withdrawn.
2.	LTDS effluent	Equalization cum neutralization tank.	To M/s. AETL (CETP, Atchuthapuram) for further treatment and disposal. The industry shall dispose the effluent to the CETP, Ramky Pharmacy until M/s AETL commences the operations. If the capacity of CETP, JNPC is not sufficient in future, then the permission to send effluents to CETP of JN Pharmacy, will be withdrawn.
3.	Domestic effluent	To dispose along with LTDS effluent.	

6. Effluents shall not be discharged on land or into any water bodies or aquifers under any circumstances.
7. The industry shall provide magnetic flow meters with totalisers at the outlet of the unit.
8. The industry shall properly operate and maintain online real time monitoring system along with web camera facilities and shall ensure that it is connected to APPCB / CPCB websites as per CPCB directions.
9. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. All pipe valves, sewers, drains shall be leak proof.

**Air:**

10. The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution:

**As per CFE Order 27.10.2014**

S. No	Details of Stack	Stack – 1	Stack – 2
a)	Attached to:	Coal fired Boiler	DG set
b)	Capacity	3 X 3.0 TPH	3 X 300 KVA

c)	Fuel form :	Coal	HSD
d)	Quantity: Stack above Roof	---	---
e)	Stack height:	30 m	12 m
f)	Diameter / size, in m.	0.60	0.30
g)	Details of Air Pollution Control Equipment:	Cyclone separator with Bag filters	Acoustic enclosure

**After expansion:**

Sl. No	Details of Stack	Stack – 1	Stack – 2
a)	Attached to	Coal fired Boiler	DG set
b)	Capacity	1 X 3.0 TPH	1 X 1250 KVA
c)	Fuel form :	Coal	Diesel
d)	Stack height:	30 m	12 m
e)	Details of Air Pollution Control Equipment	Cyclone separator with Bag filters	Acoustic enclosure

11. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
12. The industry shall properly operate and maintain the monitoring system to all the stacks / vents in the plant. Regular monitoring shall be carried out and report shall be submitted to the Regional officer.
13. The industry shall properly operate and maintain multi-stage scrubbers to the process vents to control the process emissions. The industry shall ensure that online pH measuring facility with auto recording system is connected to the scrubbers.
14. The industry shall properly operate and maintain VOC monitoring system with auto recording facility.
15. The industry shall implement adequate measures to control all fugitive emissions from the plant.

16. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoEF, GoI vide notification No. GSR. 826 (E), dated. 16.11.2009 during construction and regular operational phase of the project at the periphery.

The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

17. The proponent shall not use or generate odour causing substances or Mercaptans and cause odour nuisance in the surroundings.

18. The industry shall send the used / spent solvents to the recyclers (or) process them at their own solvent recovery facility within the premises.

19. The evaporation losses in solvents shall be controlled by taking the following measures:

- i. Chilled brine circulation shall be carried out to effectively reduce the solvent losses into the atmosphere.
- ii. Transfer of solvents shall be done by using pumps instead of manual handling.
- iii. Closed centrifuges shall be used to reduce solvent losses.
- iv. All the solvent storage tanks shall be connected with vent condensers to prevent solvent vapours.
- v. The reactor vents shall be connected with primary & secondary condensers to prevent escaping of solvent vapour emissions into atmosphere.

**Solid / Hazardous waste:**

20. The industry shall comply with the following for disposal of Solid waste:

<b>S. No</b>	<b>Name of the Hazardous Waste</b>	<b>Qty as per CFE dt.27.10.2014 &amp; CFE amendment order dt. 28.02.2018</b>	<b>Total After expansion</b>	<b>Mode of Disposal</b>
1.	Organic residue	3.59 TPD	1.95 TPD	To the authorized Cement industries for being used as alternate fuel in the kiln (or) TSDF, Parawada for incineration/ AFRF units for pre-processing and onward disposal to cement industries.
2.	Inorganic solid waste	0.21 TPD	0.75 TPD	To TSDF, Parawada for secured land filling.
3.	Spent carbon	0.04 TPD	0.78 TPD	To the authorized Cement industries for being used as alternate fuel in the kiln (or) TSDF, Parawada for incineration/ AFRF units for pre-processing and onward disposal to cement industries.

4.	ETP Sludge	0.5 TPD	0.5 TPD	TSDf, Parawada for secured land filling.
5.	Detoxified Containers/ drums liners	500 Nos/ Month	500 Nos./ month	To outside agencies, after complete detoxification for re-use/ recycle.
a.	HDPE carboys	500 Nos/ Month	500 Nos./ month	
b.	Fiber drums	500 Nos/ Month	500 Nos./ month	
c.	PP Bags	500 Nos/ Month	500 Nos./ month	
6.	Waste Oils & Grease	100 LPA	100 LPA	To authorized Re-processors / Recyclers / to the Cement industries to use as alternate fuel in the kiln.
7.	Used oils	600 LPA	600 LPA	
8.	Spent Solvents	41 KLD	41 KLD	Recovery within the premises / to authorised agency for recovery.
9.	Spent mixed Solvents	2 KLD	2 KLD	To authorized recovery units / Authorized cement plant for co-processing.
10.	Gypsum (Calcium Sulfate) with moisture (10%)	5762 Kg/day	6084.3 Kg/day	To be Disposed to APPCB Authorized agencies
11.	Used lead acid batteries	5 Nos./year	5 Nos./year	To dealers on buy back system
12.	Miscellaneous Incinerable Waste (Used PPE, PP Cloth, Cora Cloth, Cotton Waste, Filter Bags, Thermocol, Rubber, Teflon, PFFRP etc.....)	--	0.5TPD	To authorized agencies, after complete detoxification for re-use/ recycle.
13.	E-Waste	--	25 Kg/month	To Authorized recyclers /Dismantlers.
14.	Boiler ash	9.6 TPD	9.6 TPD	To brick manufacturers.

21. 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. The industry shall provide containers detoxification facility. Container & Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tank.

22. The following rules and regulations notified by the MoEF&CC, GoI shall be implemented.

- a) Regulation of Persistent Organic Pollutants Rules, 2018.
- b) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
- c) Plastic Waste Management Rules, 2016.
- d) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989



- e) Fly Ash Notification, 2016.
- f) Batteries (Management & Handling) Rules, 2010.
- g) E-Waste (Management) Rules, 2016.
- h) Construction and Demolition waste Management Rules, 2016.
- i) Solid Waste Management Rules, 2016.
- j) The Public Liability Insurance Act, 1991 and its amendments thereof.

**Other Conditions:**

- 23. Existing green belt shall not be disturbed due to the proposed expansion. Thick green belt shall be maintained all along the boundary & vacant spaces with tall growing trees with good canopy and it shall not be less than 22% of the total area.
- 24. The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Regional Office and Zonal Office of the Board.
- 25. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.
- 26. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.
- 27. 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 such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

**VIVEK YADAV IAS, MS(VY), O/o MEMBER SECRETARY-APP/PCB  
MEMBER SECRETARY**

**To**

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