



**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. 166 /APPCB/CFE/RO-VSP/HO/2013**

**07/07/2020**

Sub: APPCB – CFE - **M/s. Eisai Pharmaceuticals India Pvt. Ltd, SEZ, Plot No.96, 97, 98, 124 & 126, JN Pharma City, Parawada, Visakhapatnam** – Consent for Establishment 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. EC order dt.10.03.2005 for entire JNPC, Parawada, Visakhapatnam.
  2. CFE Expansion order dt.13.02.2019.
  3. Industry's application received through A.P.OCMMS on 13.05.2020 & 15.06.2020
  4. R.O's inspection report dt.06.07.2020.
  5. CFE Committee meeting held on 07.07.2020.

- In the reference 3<sup>rd</sup> cited, an application was submitted to the Board seeking
1. Consent for Establishment (CFE) for **expansion** within the existing premises to produce the products with installed capacities as mentioned below, with an additional project cost of Rs.21.61 Cr.

**As per CFE (Exp) dated 13.02.2019:**

S. No.	Name of the Product	Quantity
<b>Formulations (Million Units/ Annum)</b>		
1.	Aricept (Donepezil Hydrochloride)	60
2.	Myonal/EPRY (Eperisone Hydrochloride)	300
3.	DEC	400
4.	Pariet	500
5.	Warfarine	1200
6.	Urief (Silodosin)- Packing only	20
7.	Methycobal	190
8.	Aricep 23 mg (Packing only)	15
9.	Teuri (Packing only)	20
10.	Merislon (Betahistine Mesilate) Tablets (Packing only)	20
11.	Zonegran (Zonisamide) Tablets (Packing only)	20
12.	Aricept M Forte	5
13.	Aricept M	5
14.	Alfence ( Lorcaserin Tab 10 mg)	5
	<b>Total</b>	<b>2760</b>

<b>Bulk Drugs (API) (Kg/day)</b>		
15.	Donepezil Hydrochloride	5.55
16.	Eperisone Hydrochloride	55.55
17.	AKR (1-(3-chloro-5-(4-(4-chlorothiophen-2-y1)- cyclohexyl)piperazin-1-yl)thiazol-2-ylcarbamoyl)piperidine-4-carboxylicacid, monomaleate)	2.78
18.	ESPA ((L-Lysine, compound with 4-[2-[(1R,2R)-2- (2,4-difluoropheny1)-1-methy1-2-[(phosphonooxy) methoxy]-3-(1H-1,2,4-triazol-1-y0propyl]-4-thiazoly]]benzotrile and ethanol)	18.00
19.	Pranlukast Hydrate	132.00
20.	Rebamipide	98.7
21.	Epalrestat	13.7
22.	EPS140	17
23.	Azilsartan	9.00

24.	R&D and API Pilot Plant Products	20.00
		<b>372.28 kg/day</b>

**Total drug formulations of 2760.00 Million units/annum and Bulk Drugs of 372.28 kg/day.**

**After expansion:**

S. No	Name of the Products and By-products	Quantity (TPM)	No. of Stages	Starting Raw Material	Quantity of Starting Raw Material (Kg/day)
<b>Formulation (Million Units /Annum)</b>					
1.	Aricept (Donepezil Hydrochloride)	60	---	---	---
2.	Myona/EPRY (Eperisone Hydrochloride)	300	---	---	---
3.	DEC	400	---	---	---
4.	Pariet	500	---	---	---
5.	Warfarine	1200	---	---	---
6.	Urief Silodosin Packing only	20	---	---	---
7.	Methycobal	190	---	---	---
8.	Aricep 23 mg (Packing only)	15	---	---	---
9.	Teuri Packing only	20	---	---	---
10.	Merislon (Betahistine Mesilate) Tablets (Packing only)	20	---	---	---
11.	Zonegran (Zonisamide) Tablets (Packing only)	20	---	---	---
12.	Aricept M Forte	5	---	---	---
13.	Aricept M	5	---	---	---
14.	Alfence ( Lorcaserin Tab 10 mg )	5	---	---	---
<b>Total : 2760 Million Units /Annum</b>					
<b>Bulk Drugs (API) (Kg/day)</b>					
15.	Donepezil Hydrochloride	5.55	<b>3</b>	5,6 Dimethyl Indanone	67
16.	Eperisone Hydrochloride	55.55	<b>2</b>	Ethyl Benzene	1100
17.	AKR (1-(3-chloro-5-(4-(4-chlorothiophen-2-yl)-cyclohexyl)piperazin-1-	2.78	<b>4</b>	EPS130	45

	yl)thiazol-2-ylcarbamoyl)piperidine-4-carboxylic acid, monomaleate)				
18.	ESPA ((L-Lysine, compound with 4-[2-[(1R,2R)-2-(2,4-difluorophenyl)-1-methyl-2-[(phosphonoxy) methoxy]-3-(1H-1,2,4-triazol-1-yl)propyl]-4-thiazolyl]benzotrile and ethanol)	40.00	3	KSM	40
19.	Pranlukast Hydrate	132.00	2	4-Bromo methyl-1,2-dihydro quinolone-2-one	250
20.	Rebamipide	98.70	2	(E ) -2 methyl-3-phenylacryldehyde	60
21.	Epalrestat	13.70	2	N-(3. Acetyl-2-hydroxyphenyl)-4-(4-phenyl butoxy) benzamide	400
22.	EPS140	17.00	1	EPS130	45
23.	Azilsartan	9.00	3	Ethylchloroformate	58
24.	R&D and API Pilot plant products	20.00	--	—	—
25.	COVA	10.00	5	KSM-1	10.00
26.	SRCA	10.00	6	KSM-1	10.00
<b>Total</b>		<b>414.28 Kg/day</b>			

2. As per the application, the above activity is to be located within the existing industry premises located at Plot Nos. 96, 97, 98, 124 & 126, JN Pharma City, Parawada, Visakhapatnam in an area of 50.67 Acres.

3. The industry was inspected by the Environmental Engineer & Asst. Environmental Engineer-I, Regional Office, Visakhapatnam, A.P Pollution Control Board on 05.06.2020 and observed that the site is surrounded by

**North** : Road followed by industrial plot of M/s. Ramky SEZ  
**South** : SEZ Road  
**East** : Granules Omnicem  
**West** : SEZ Road

4. The Board, after careful scrutiny of the application and verification report of the Regional Officer and recommendation 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 now 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 a period of 7 years.**

**Encl:** Annexure.

**BATCHU SIVA PRASAD, JCEE(BSP), O/o JOINT CHIEF ENVIRONMENTAL ENGINEER1-APPCB  
JOINT CHIEF ENVIRONMENTAL ENGINEER**

**To**  
**M/s. Eisai Pharmaceuticals India Pv.t Ltd., (expn)**  
**SEZ, Plot No.96, 97, 98, 124 & 126,**  
**JN Pharma City, Parawada,**  
**Visakhapatnam.**  
E-mail : r-b@eisai.co.in, g-anand@eisai.co.in

**Copy to:** 1. The JCEE, Z.O: Visakhapatnam for information and necessary action.  
2. The E.E., 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 JN Pharmacy, Parawada and the maximum permitted water consumption is as following:

S. No.	Purpose	Quantity as per CFE order dt. 13.02.2019	Quantity after Expansion (KLD)
1.	Process	18.3	25.2
2.	Washings Including floor & reactor washings, QC, R&D water and scrubbing water	78	81.1
3.	Boiler , cooling tower and other utilities	322	322
4.	Fire Hydrant	1	1
5.	Gardening	190	190
6.	Domestic	50	70
	<b>Total</b>	<b>659.3 KLD</b>	<b>689.3 KLD</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:

S. No	Source	Quantity as per CFE dt. 13.02.2019 (KLD)			Total after expansion (KLD)		
		HTDS	LTDS	TOTAL	HTDS	LTDS	TOTAL
1.	Process water	4.67	0	4.67	13.57	0	13.57
2.	Process & Washings	0	78.3	78.3	0	81.5	81.5
3.	Boiler blow down				--		
4.	Cooling tower blow down						
5.	DM Plant/Softner Regeneration water, EDI reject, Ro , ACF reject, MGF Reject water		192	192		192	192
6.	Domestic effluent	0	45	45	-	63	63
	<b>Total</b>	<b>4.67</b>	<b>315.3</b>	<b>319.97 KLD</b>	<b>13.57</b>	<b>336.5</b>	<b>350.07 KLD</b>

**Treatment & disposal:**

Source	Treatment	Mode of final disposal
HTDS	Pretreatment (Neutralization)	To M/s. Ramky Pharmacy for forced evaporation.
LTDS	Pretreatment (Neutralization)	To CETP of M/s. Ramky Pharmacy for further treatment and disposal
Domestic waste water	---	The overflow of the Septic tank shall be sent to the CETP for further treatment.

6. Effluents shall not be discharged on land or into any water bodies or aquifers under any circumstances.
7. 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.
8. 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:**

9. The Air pollution Control equipment shall be maintained properly to comply with the following for controlling air pollution after expansion:

S. No.	Details of Stack	Stack 1	Stack – 2, 3& 4
1	Attached to	Oil fired Boilers	D.G. Set
2	Capacity	2 X 3.0 TPH & 1 X 2.0 TPH	4 X 1500 KVA
3	Fuel	Oil	Diesel
4	Stack height	40 m common stack	8 m each
5	Control Equipment	--	Acoustic enclosures and silencers

10. 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.
11. 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.
12. 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.

13. The industry shall properly operate and maintain VOC monitoring system with auto recording facility.
14. The industry shall implement adequate measures to control all fugitive emissions from the plant.
15. 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.

16. The proponent shall not use or generate odour causing substances or Mercaptans and cause odour nuisance in the surroundings.
17. The industry shall send the used / spent solvents to the recyclers (or) process them at their own solvent recovery facility within the premises.
18. 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:**

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

<b>S. No.</b>	<b>Name of the waste</b>	<b>Quantity as per CFE order dt.13.02.2019</b>	<b>Total after expansion</b>	<b>Mode of Disposal</b>
1.	Used Oil / Waste Lubrication Oil	3000 Ltrs/Annum	3000 Ltrs/Annum	To authorized Re-processors / Recyclers / to the Cement industries to use as alternate fuel in the kiln.
2.	De- Toxified Containers &	--	5.00TPM	To the authorized



	Liners			agencies/re-use/ recycle/TSDf, Parawada.
3.	Glass Bottles / Scrap	--	03.00TPM	
4.	General waste (Like Thermo coal, Insulation waste, Contaminated Cotton waste, Centrifuge Bags, Used PPE's and other waste etc.,)	-----	20.00TPM	Sent to authorized agencies/TSDf, Parawada
5.	Used Lead Acid Batteries	10 Nos./annum	10 Nos./annum	To dealers on buy back system
6.	Spent Solvents	25.67 KLD	33.07KLD	Recovery within the premises / to authorised agency for recovery / To M/s. Visakha Solvents, JNPC, Parawada
7.	Spent Catalyst	0.011 TPM	0.011 TPM	To the Supplier for re-generation / TSDf Parawada.
8.	ETP Sludge	29 Kg/day	30.00 Kg/day	TSDf, Parawada for secured land filling.
9.	Process Waste (including expired/defaced/rejected tablets,binder solutions, rejected or spilled APIs, Laboratory Wastes and utility wastes etc. and R&D Expired & rejected material	10.00 TPM	16.38 TPM	To TSDf, Parawada for incineration (or) to the Cement industries/AFRF.
10.	E-waste	----	05.00 TPM	To Authorised collection centers
11.	Paper, cotton waste & packing materials i.e wood, carton & ropes etc.,	----	05.00 TPM	Sale to outside agencies/recyclers
12.	Metal scrap (MS,SS,GI & Aluminum)	----	50.00 TPM	Sale to outside agencies/recyclers

20. 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.

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

- a) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
- b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
- c) Fly Ash Notification, 2016.
- d) Batteries (Management & Handling) Rules, 2010.

- e) E-Waste (Management) Rules, 2016.
- f) Construction and Demolition waste Management Rules, 2016.

**Other Conditions:**

- 22. 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 33% of the total area.
- 23. 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.
- 24. 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.
- 25. 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.
- 26. 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.

**BATCHU SIVA PRASAD, JCEE(BSP), O/o JOINT CHIEF ENVIRONMENTAL  
ENGINEER1-APPCB  
JOINT CHIEF ENVIRONMENTAL ENGINEER**

**To  
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