

M/s. Alembic Pharmaceuticals Limited

API Division-I, Panelav, Halol, Panchmahal, Gujarat.

ENVIRONMENT CLEARANCE COMPLIANCE REPORT

Apr – Sep '2024

Submitted to





ENIRONMENTAL CLEARANCE COMPLIANCE REPORT EC No. F No. J-11011/232/2014-IA II (I) dated 31st January 2017

Period: **Apr - Sep' 2024** Date: 01.12.2024

SPECIFIC CONDITIONS

#	CONDITIONS	ST	ATUS				
1			 Instead of Bag filter we have installed ESP system and stack adequate height (35m) is already attached with boiler. Online monitoring system has been installed. Third party monito analysis result is mentioned below. Boiler-Third party monitoring (NABL) 				
	Emission level to be displayed to the		Parameters	Results (Std.)	Apr-24	May-24	Jun-24
	main gate for public.		SPM	150 mg/NM3	69.81	79.46	73.98
			SO ₂	100 ppm	73.25	70.52	72.63
			NOx	50 ppm	36.80	35.68	33.76
			Parameters	Results (Std.)	Jul-24	Aug-24	Sep-24
			SPM	150 mg/NM3	77.94	71.43	70.24
			SO ₂	100 ppm	67.73	69.79	73.05
			NOx	50 ppm	37.05	37.07	35.40
2	Scrubber shall be provided to control process emissions viz. NH ₃ , HCl and Cl ₂ . The scrubbing media shall be sent to effluent treatment plant for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, The emission levels shall go beyond the prescribed standards.	•	Third Party A Exhausted sor treatment. We have alre plant to monit	oring results are on nalysis is done ever trubbing media is eady installed on or the performan	very month s sent to or alline monit ce of NH ₃ ,	for scrubbe effluent trea oring syster HCl and Cl ₂	ntment plant for in the critical
3	Fugitive emissions in the work zone environment, Product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.	•	records of the	ssions monitorin same are mainta	ined in For	m-37.	
4	Total fresh water requirement from ground water source shall not exceed 160 m3/Day. Prior permission shall be obtained from the CGWA/SGWA.	•	Last authorization 27 Application 27 Though we have	rization is been tion was valid up 1-4/3018/GJ/INI nave permission armada river w	to 29/06/2 D/2017 has for ground	2022. been filed fo d water wit	or its renewal. hdrawal we are

#	CONDITIONS	STATU	IJ S					
				Fresh V (Narmad		Recycled V (Boiler + Cotower)	ooling	
			Month	Usage (KL/ Month)	Usage (KLD)	Usage (KL/Month)	Usage (KLD)	
			Apr-24	12510	417.00	3990	133	
			May-24	13795	445.00	3937	127	
			Jun-24	12390	413.00	4260	142	
			Jul-24	11439	369.00	4681	151	
			Aug-24	11625	375.00	4464	144	
5	Trade effluent shall be segregated	Compli	Sep-24	11880	396.00	4350	145	
6	into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film Dryer). Low TDS effluent stream shall be treated in ETP and then passed through RO system. Condensate and recover water will be recycled / reused within factory premises. Zero effluent discharge shall be adopted and no effluent will be discharged outside the premises. All the solvents storage tanks shall be connected with vent condensers with	Lo efi	ow COD stre	am. Effluer	nt is 100% like; cooli	s segregated in 6 treated in-hoong tower, boiler	use. Final	treated
7	chilled brine circulation. As proposed, Process organic residue and spent carbon shall be sent to cement industries. ETP sludge, Process inorganic & evaporation salt shall be disposed of to the TSDF. The ash from boiler shall be sold to brick manufacturers / Cement industry.	ce GI hiş sp La GI	ocess residue ment industry PCB has gran gh Calorific ent Organic s	y. Ated permiss Value like prolvent etc. Vastes like; d TSDF site	sion for Co process re- ETP sluce	o-processing to o-Processing of sidue & waste, lge, evaporated	our waste	e having bon and
8	The company shall obtain authorization for collection, storage and disposal of hazardous waste under the hazardous waste (Management, Handling and trans-Boundary movement) Rules, 2008	Uŗ		26.		H 125836 Dtd.	26.04.202	23 Valid

#	CONDITIONS	STATUS	
	and amended as on date for	Details of fire-fighting systems Quantity	
	management of hazardous waste and	Nos.	
	prior permission from SPCB shall be	DCP/ ABC type fire 342	
	obtained for disposal of Solid/	extinguishers	
	Hazardous waste in the TSDF.	CO ₂ Type Fire Extinguishers 440	
	Measures shall be taken for fire-	Foam Type Fire Extinguishers 29	
	fighting facilities in case of	Ammonia Cylinder leakage Kit 2	
	emergency.	Fire Hydrant Points 141	
	omorgoney.	Foam Monitor 15	
		Sand Buckets 14	
		Spill Control Kit 32	
		Safety Showers 72	
		ARAFFF Foam (lit) 5840	
		SCBA Sets 17	
		Fix Type Detection System	1
		O ₂ Detector 129	
		H ₂ Detector 24	
		NH ₃ Detector 4	_
		Smoke Detector 257	_
9	Fly ash shall be stored separately as	Fly ash is stored separately and safely. We have pro	vided RCC
	per CPCB guidelines so that it shall	structure to avoid contamination of soil due to rain water.	
	not adversely affect the air quality,	no scope for rain water contamination.	
	Becoming air borne by wind or water	We are keeping minimum stock at the site and as and w	hen enough
	regime during rainy season by	quantity gets accumulated we are sending it to bricks many	_
	flowing along with the storm water.	Adequate sprinkler system is provided to reduce dust	sting. Also,
	Direct exposure of workers to fly ash	workers are provided with adequate PPEs to avoid direct	exposure of
	& dust shall be avoided.	fly ash & dust.	
10	Solvent Management Shall be as	Complied.	
	follows:	 Dual Condensers are connected with reactors. Each Cor 	idensers are
	• Reactor Shall be connected to	having cooling water and chilling water supply.	
	chilled brine condenser system	All the equipment and solvent handling systems are having.	ng adequate
	Reactor and solvent handling	mechanical seals.	
	pump shall have mechanical	All the condensers and heat exchangers are provided with the condensers are provided with the condense are provided with	th adequate
	seals to prevent leakages.The condensers shall be	HTA.	1 1
	 The condensers shall be provided with sufficient HTA 	Proper earthing and bonding are provided to tanks, pumps bondling austoms	and solvent
	and residence time so as to	 handling systems. Adequate safety measures like breather valves and/or flat 	na arrastars
	achieve more than 95%	 Adequate safety measures like breather valves and/or flandhas been installed on all solvent storage tanks and condens 	
	recovery.	has been histalica on an solvent storage tanks and condens	
	 Solvents shall be stored in a 		
	separate space specified with all		
	safety measures.		
	• Proper earthing shall be		
	provided in all electrical		
	equipment wherever solvent		
	handling is done.		

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11	Entire plant where solvents are used shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	 Occupational health surveillance of all employee is carried out twice in a year (every six month). Last health surveillance is done in Jan-24 Pre-employment medical examination is carried out to all new joining employees prior to join the company. Last health surveillance has been done for total 1115 employees.
12	All the issues raised during the public hearing /Consultation meeting held on 12 th June 2015 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Agreed and complied
13	As proposed, an amount of Rs. 5.42 crore should be earmarked towards the Enterprise Social Commitment on the activities proposed by PP for local and social development and based on public hearing issues. Annual physical and financial progress achieved to be submitted to the ministry's Regional office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	 CSR Activities are carrying out by Alembic CSR Foundation under: Educational activities like school adaptation, Community outreach programs, school education development for students of school, run by Rural Development Society, Training & Workshop to Children & Teachers, education facilities, industrial training program, Women Empowerment etc. Health activities like; Blood Transfusion Centre, free cancer care, medical assistance & treatment to socially & economically backward persons etc. Community developments like; personal hygiene & sanitation by constructing toilets, Adoption of Children's homes (orphans & social/ economically backward groups), Adoption of Government Institution for destitute, Village Development Programs, etc. Environmental conservations like; assess the aqua zones wherein 15 artificial recharge wells has been constructed for ground water recharge. An earthen dam with waste weir was constructed in Parekhpura village last year. The structure is expected to store 6.37 crore litres of water and infuse 1.91 crore litres of water into the ground water every year was assessed this year post monsoon.
14	As proposed, Green belt of 24000 m ² shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	 We are having 51007.44 m2 green belt area. Adequate green belt is under development. This year, we have planted 1044+ saplings in our premises and surroundings. Species available in green belt area are polyalthia longifolia, Citrus lemon, dalbergia sissoo, Mangifera 1ndica, Azadirachta indica, commelina benghalensis, syzygium cumini, Calotropis procera, Ficus religiosa, cassia fistula, Bambusoideae, Tabernaemontana, Argyreia speciosa, calotropis gigantean, Poinciana regia, Epipremnum aureum, Pithecellobium dulce, Leucaena leucocephala, Chlorophytum comosum, Dracaenas etc. We have developed greenbelt area in the premises. And continuously

#	CONDITIONS	STATUS
		developing the same

GENERAL CONDITIONS

<u>GE</u>	GENERAL CONDITIONS						
#	CONDITIONS	STATUS					
1	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board.	• We are having Up to 10.04.20	y valid CC&A no 126	o. AWH-12	25836 Dtd. 2	26.04.2023 V	alid
3	No further expansion or modification in the plant should be carried out without prior approval of the MoEF. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearness, a fresh reference should be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. The locations of Ambient air quality monitoring stations shall be decided in consultation with the GPCB and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Agreed and Complied Complied We have identifies specific 4 nos. locations (in four directions) of ambient air quality monitoring which servers the adequate monitoring purpose. Adequate locations to carry out ambient air quality monitoring were decided on the basis of "Guidelines for the Measurement of Ambient Air Pollutants" provided by CPCB. One location for ambient air quality monitoring has been installed for continuous ambient monitoring.			ring ality the		
		Ambient Air Q					
		Parameters	Standard	Apr-24	May-24	Jun-24	
		PM ₁₀	$100 \ \mu g/ \ m^3$	56.35	65.84	59.80	
		PM 2.5	60 μg/ m ³	32.29	38.16	33.24	
		SO_2	80 μg/ m ³	12.87	12.68	11.78	
		NOx	$80 \mu g/m^3$	15.16	14.93	13.65	
		Parameters	Standard	Jul-24	Aug-24	Sep-24	
		PM 10	100 μg/ m ³	46.74	50.75	59.39	
		PM 2.5	60 μg/ m ³	21.21	24.21	29.54	
		SO ₂	80 μg/ m ³	5.91	8.12	10.42	
		NOx	80 μg/ m ³	7.20	9.08	12.79	

- The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all
- Monthly monitoring of the Noise is being carried out by third party.
- All the DG sets are having acoustic silencer. Boiler is also designed noise proof.
- Adequate PPEs are provided like ear plugs and ear muff to control noise.

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	sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (Day Time) and 70 dBA (night Time).	High noise area are identified and display board are provided with "High Noise Area-Use Ear Protection".
5	The company shall harvest rainwater from the roof tops of the building and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	 Complied Total 21 nos. of recharge bore well in the campus are available, out of which company has constructed 8 new recharge bore wells.
6	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of Accidental spillages with domestic wastewater and storm water drains.	 Sufficient numbers of emergency spill kits are available in all the plants. And garland drain is provided. In case of accidental contamination, or the rain water contamination, contaminated material is directly transfer to ETP for treatment.
7	Usage of personnel protection equipment by all employees/ workers shall be ensured.	 Complied Adequate PPEs are provided to all the employees and workers. Basic PPEs are mandatory like; Safety helmet & safety shoes to all. Specific PPEs are provided for task specific requirement like; PVC apron, chemical splash face shield, dust mask, full body suit, air pressure suit, ear muff etc.
8	Training Shall be imparted to all employees on safety and health aspects of chemicals handling. Training to all employees on handling of chemicals shall be imparted. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.	 Complied. Training is imparted to workers, contractual employees and company employees. Training calendar for health, safety and Environment is prepared and followed accordingly. Total 2578 employees attend training during Apr-Sep'24 Occupational health surveillance of all employee is carried out twice in a year (every six month). Last health surveillance is done in Jan-2024 Pre-employment medical examination is carried out to all new joining employees prior to join the company. Last health surveillance has been done for total 1115 nos. employees.
9	The company shall also comply with all the environmental protection measures and safeguards proposed in the projects report submitted to the Ministry. All the recommendation made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	 Company has taken adequate measures towards environment and safety. Regular EHS trainings are imparted to company employees and contractors. In addition, plants are safely designed and periodical inspection, preventive maintenance, corrective actions & preventive actions (CAPA) are in place. Implementation done for the recommendation done in EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project.
10	The company shall undertake CSR activities and all relevant measures for	• CSR Activities are carrying out by Alembic CSR Foundation under: - Educational activities like school adaptation, Community outreach

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	improving the socio economic conditions of the surrounding area.	programs, school education development for students of school, run by Rural Development Society, Training & Workshop to Children & Teachers, education facilities, industrial training program, Women Empowerment etc. - Health activities like; Blood Transfusion Centre, free cancer care, medical assistance & treatment to socially & economically backward persons etc. - Community developments like; personal hygiene & sanitation by constructing toilets, Adoption of Children's homes (orphans & social/ economically backward groups), Adoption of Government Institution for destitute, Village Development Programs, etc. - Environmental conservations like; assess the aqua zones wherein 15 artificial recharge wells has been constructed for ground water recharge. An earthen dam with waste weir was constructed in Parekhpura village last year. The structure is expected to store 6.37 crore litres of water and infuse 1.91 crore litres of water into the ground water every year was assessed this year post monsoon.
11	The Company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied
12	A separate Environmental Management Cell Equipped with full-fledged Laboratory facilities shall be set up to carry out the Environment Management and Monitoring Functions.	 Complied. Environmental laboratory is equipped with all suitable equipment and set ups. We are caring out daily analysis for basic parameters like pH, TDS, COD, BOD etc. Also, we have set ups and facilities to carry out SS, TSS, DO, MLSS, MLVSS, Ammonical Nitrogen, Chloride, Hardness, Turbidity etc.
13	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the ministry of Environment and forests as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ Pollution control measures shall not be diverted for any other purpose.	Complied. Company is in to continuous improvement towards Environmental development. Sufficient funds are provided by company to stipulate the conditions laid by ministry of Environment and forests as well as the state government.
14	A copy of the clearance letter shall be sent by the project proponent to concerned panchayat, Zila Parisad/ Municipal Corporation, Urban local Body and the local NGO, if any, from	Complied.

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	who suggestions / representations, if any, were received while processing the proposal.	
15	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional office of MoEF, the respective Zonal office of CPCB and the six monthly compliance status report shall be posted on the website of the company.	We are submitting EC compliances regularly on Parivesh Portal.
16	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the state pollution control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhopal Regional Offices of MoEF by e-mail.	 Noted and agreed Company is following the condition given in CC&A and maintaining the same. The environmental statement for each FY is sending to GPCB in Form-V. Form-V of FY 2023-24 was submitted on 11/06/2024.
17	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at website of the Ministry at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Company had published the granting of Environmental Clearance in local newspapers in year 2017. Output Description:
18	The Project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by	NA

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	the concerned authorities and the date	
	of start of the project.	
19	The ministry may revoke or suspend	Noted.
	the clearance, if implementation of	
	any of the above conditions is not	
	satisfactory.	
20	The ministry reserves the right to	Noted.
	stipulate additional conditions, if	
	found necessary. The company in a	
	time bound manner will implement	
	these conditions.	
21	The above conditions will be	Noted and complied.
	enforced, inter-alia under the	We are having valid CC&A no. AWH-125836 Dtd. 26.04.2023 Valid Up
	provisions of the water (prevention &	to 10.04.2026
	Control of pollution) Act, 1974, Air	• Company is having The Public Liability Insurance (PLI) policy.
	(prevention & Control of Water	Period of Policy: 1/04/2024 to 31/03/2025.
	Pollution) Act, 1981, the Environment	
	(Protection) Act, 1986 Hazardous	
	waste (Management, Handling and	
	Trans- boundary Movement) Rules, 2008 and	
	The Public Liability Insurance Act,	
	1991 along with their amendments	
	and rules.	