

**Half Yearly Compliance Report
2024
01 Jun(01 Oct - 31 Mar)**

Acknowledgment

Proposal Name	Expansion of synthetic organic chemicals Manufacturing Unit		
Name of Entity / Corporate Office	SYNERGIA LIFE SCIENCES PRIVATE LIMITED		
Village(s)	Gates Bk.		
District	PALGHAR		
Proposal No.	IA/MH/IND3/410753/2022	Category	Industrial Projects - 3
Plot / Survey / Khasra No.	Gut No.65,H.No.2	Sub-District	Vada
State	MAHARASHTRA	Entity's PAN	NA
MoEF File No.	IA-J-11011/124/2022-IA-II(I)	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Compliance report for the period 01-Jan-2024 to 30-Jun-2024.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office SYNERGIA LIFE SCIENCES PRIVATE LIMITED

	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Vitamin K2 Pure (Including Menaquinone-7) which will be diluted as per customers demand	Tons per Annum (TPA)	31/05/2025	7.50	0.11	6
2	Food grade Probiotics of 10 ¹⁵ CFU/ gm. which will be diluted as per customers demand	Tons per Annum (TPA)	31/05/2025	3.90	0.0008	2.43
3	Used Silica Gel	Tons per Annum (TPA)	31/05/2025	300	0.002	243.33
4	Natural NM ferment which will be diluted as per customers demand	Tons per Annum (TPA)	31/05/2025	480	0.003	365

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	This Environmental Clearance is subject to obtaining the NBWL clearance from the Standing Committee on Wildlife as the project boundary is located within 10 km of the Tansa Wildlife Sanctuary. If the draft ESZ notification is finalised before the issue of NBWL clearance and the project boundary falls outside the ESZ, the NBWL clearance shall not be applicable.
<p>PPs Submission: Agreed to Comply Agreed. We have applied for Wildlife clearance. At present our application is recommended by SBWL to NBWL. SBWL MOM attached as Annexure No 1. Agenda item no.3.13 in attached doc.</p>		Date: 11/07/2024
2	WATER QUALITY MONITORING AND PRESERVATION	As Committed by the PP, Zero Liquid Discharge shall be ensured, 42.25 KLD effluent generated from washing, scrubbing, cooling tower and boiler blowdown shall be treated in ETP with 60 KLD capacity consisting of Physicochemical treatment, aerobic biological treatment and dual media, carbon and ultra-filtration followed by 2 stage RO system where permeate shall be reused & the ultimate reject shall be treated in MEE (3 KLD capacity). Out of the 37.25 KLD treated effluent (RO permeate + MEE condensate) 4 KLD shall be used in scrubber & 33.25 KLD in cooling tower make up. The

		sewage shall be treated in in-house STP and the treated sewage shall be used for onsite horticulture and gardening purposes.
PPs Submission: Agreed to Comply Noted and Agreed. Presently we are in project stage and will insure all the conditions of fulfilled during production commences.		Date: 11/07/2024
3	WATER QUALITY MONITORING AND PRESERVATION	A continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
PPs Submission: Agreed to Comply Noted and Agreed.		Date: 11/07/2024
4	MISCELLANEOUS	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
PPs Submission: Agreed to Comply Noted and Agreed.		Date: 11/07/2024
5	Risk Mitigation and Disaster Management	The occupational health centre for surveillance of the worker's health already set up shall be maintained effectively. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
PPs Submission: Complied Noted and Agreed. Annual and periodic Health checkup done as per section 87, Factories Act 1948 and maintained record. health register (Form-7) attached as Annexure 7. PPE Matrix followed at site.		Date: 11/07/2024
6	Risk Mitigation and Disaster Management	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
PPs Submission: Complied Regular Training is imparted to employees. Training record attached as Annexure No 8.		Date: 11/07/2024
7	Risk Mitigation and Disaster Management	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
PPs Submission: Agreed to Comply Noted and Agreed		Date: 11/07/2024
8	MISCELLANEOUS	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire

		plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
PPs Submission: Agreed to Comply Noted and agreed		Date: 11/07/2024
9	MISCELLANEOUS	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water
PPs Submission: Agreed to Comply Noted and Agreed. Rainwater harvesting plan implemented at site attached drawing of Rainwater harvesting as Annexure 9A.		Date: 11/07/2024
10	MISCELLANEOUS	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation
PPs Submission: Agreed to Comply Noted and agreed		Date: 11/07/2024
11	MISCELLANEOUS	The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.
PPs Submission: Agreed to Comply Noted and agreed		Date: 11/07/2024
12	MISCELLANEOUS	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.
PPs Submission: Complied Onsite Emergency plan attached as Annexure No 5.		Date: 11/07/2024
13	GREENBELT	The PP shall develop Greenbelt over an area of at least 4836 m2 by planting 1336 number of trees additionally it shall be covered alongside project boundary, within a period of one year grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft (about 2m). In addition to this, the budget earmarked for the green belt shall be 5.35 Lakhs and shall be kept in separate

		account and should be audited annually. PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of the expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
PPs Submission: Agreed to Comply Agreed. Tree Report attached as Annexure No 2. Currently the site is under project phase. The areas marked for green belt development are used to keep project materials , and may areas are occupied with contractor yards as soon as the areas will be available we will develop the green plantation.		Date: 11/07/2024
14	Human Health Environment	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with fullfledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. PP shall engage Environment Officer- maintenance inchargeair management incharge- wastewater management in charge- waste management in charge-EHS engineer maintenance operator-DG stack person – ETP operator- collection and disposal person. In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
PPs Submission: Agreed to Comply Agreed. Environmental Management Cell attached as Annexure no 3.		Date: 11/07/2024
15	MISCELLANEOUS	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP is ₹239 Lakhs (Capital cost) and 117.5 lakhs (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
PPs Submission: Agreed to Comply Noted and Agreed. Effluent treatment plant upgradation and Installation of new ETP MBR under progress attached ETP photos as Annexure 9.		Date: 11/07/2024
16	WATER QUALITY MONITORING AND PRESERVATION	The PP reported that the total water requirement is 97.9 KLD out of which freshwater requirement shall be 51.75 KLD and will be met from CGWA. The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawal only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO) MoEF&CC before 1st July of every year for the activities carried out during the previous year.

PPs Submission: Agreed to Comply Noted and Agreed. Currently project work under progress, CTO taken for same will update the detailed utilization of water.		Date: 11/07/2024
17	MISCELLANEOUS	No banned chemicals shall be manufactured by the PP. No banned raw materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard
PPs Submission: Agreed to Comply Noted and Agreed.		Date: 11/07/2024
18	MISCELLANEOUS	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
PPs Submission: Agreed to Comply We have prepared carbon sequestration report as Annexure No 4.		Date: 11/07/2024
19	MISCELLANEOUS	The PP shall comply with the environment norms for synthetic organic Chemical as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608(E), dated 21.7.2010 under the provisions of the Environment (Protection) Rules, 1986.
PPs Submission: Agreed to Comply Noted and Agreed.		Date: 11/07/2024
20	AIR QUALITY MONITORING AND PRESERVATION	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out
PPs Submission: Complied Noted and Agreed. VOC monitoring report from NABL and MoEF and CC accredited lab attached as Annexure No 6		Date: 11/07/2024
21	WATER QUALITY MONITORING AND PRESERVATION	The PP shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal.
PPs Submission: Agreed to Comply Noted and Agreed.		Date: 11/07/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		Point wise compliance of all the EC conditions attached as additional document
Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.		