



Otsuka Otsuka Chemical (India) Pvt. Ltd.

Issued by dept. other than Human Resources

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OC IPL/F/2022-24/ EC Identification no.-EC22A021RJ156186 / compliance/02

To,

02.05.2023

The Regional Director,

Ministry of Environment, Forest and Climate Change

Aranya Bhawan, Jhalana Doongri

Jaipur, (RAJ).

Subject: EC Compliance F.No. J-11011/241/2012-IA-II(I) Expansion
For the Period of **Oct-22 to Mar-23**

Sir,

Please find attached herewith compliance status of Environment Clearance No. J-11011/241/2012-IA-II(I) & EC Identification no.-EC22A021RJ156186 for your needful please.

Thanking you.

For Otsuka Chemical (India) Pvt . Ltd.


31/5/23
Dr. Kishore Kumar Khemani

Vice President


CC: Regional Office RSPCB, VKI Jaipur

Enclosures: As per attached List

Environment Clearance compliances status

EC Identification No. EC22A021RJ156186

Proponent name: Otsuka Chemical (India) Pvt. Ltd

GCLE, BMH & ADA-2 : File No. J-11 11/241/2012-IA II (I) Oct-22 to Mar-23

1 The Ministry of Environment, Forest and Climate Change has examined the proposal for Expansion of APIs, Bulk Drugs and Chemical Manufacturing Unit with proposed production capacity from 104.13 TPM to 190.83 TPM, located at SP-3, 10 & 11 RIICO Industrial Area, Village-Keshwana Rajpoot, Kotputli, District- Jaipur, Rajasthan by M/s Otsuka Chemical India Pvt. Ltd.

The details of product & capacity are as under,

Sr. No	Products & Intermediate	CAS Number	Existing capacity as per EC dated 19-07-2019 & 10.12-2015	Proposed capacity	Capacity after Expansion
1	GCLE	79350-37-1	58.3 MTPM	66.7 MTPM	125 MTPM
			(700 MTPA)	(800 MTPA)	(1500 MTPA)
2	Iohexol	66108-95-0	28.83 MTPM	0	28.83 MTPM
			(250 MTPA)		(250 MTPA)
3	BMH	214417-91-1	0	20 MTPM (240 MTPA)	20 MTPM (240 MTPA)
4	ADA-2	1671-87-0			

Agree

The details of products and capacity are as under: The project/activities are covered under Category 'A' of item 5 (f) 'Synthetic, Organic Chemicals Industry' of the schedule to the Environment Impact Assessment (EIA) Notification, 2006. Due to applicability of general condition (Interstate boundary Rajasthan- Haryana State Boundary is at 2.38 km from the project location), the project requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

Agree

5. The Ministry has granted Standard TOR on 18.02.2021. Public hearing is exempted since the proposed project is located within notified Industrial Area. The PP reported that the Ministry had issued EC earlier vide letter of even no. dated 10.12.2015 and 19.07.2019 in favor of M/s Otsuka Chemicals (India) Pvt. Ltd. Construction/installation as per 2015 EC letter has been completed; however, the construction/installation for 2019 EC has not been started. Regional office of the MoEFCC at Jaipur, vide letter dated 30.06.2021, has submitted the certified compliance report of earlier EC. The IRO, MoEFCC Jaipur observed that there are three conditions which are partially complied with respect to submission of eco-developmental measures including community welfare measures, CSR expenditure and annual expenditure with reference to Enterprise Social Commitment. In this context, the PP has submitted the Action Taken Report. The EAC deliberated and found in order. It was

Agree



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informed that no litigation is pending against the proposal.	
<p>6. The PP has submitted that the existing land area is 8.8 ha and expansion is proposed within the existing land area. Industry has already developed greenbelt in an area of 33% i.e., 2.904 ha out of total area of the project. The estimated project cost is Rs.468 crores (Existing: Rs. 433 crores & proposed expansions: Rs 35 crores). Total capital cost earmarked towards environmental pollution control measures is Rs.17.53 Crores (Existing: Rs.10.48 Crores & Proposed: Rs.7.17 Crores) and the Recurring cost. (operation and maintenance) will be about Rs.9.56 Crore /annum. Total Employment will be 700 persons after expansion. Industry proposed to allocate Rs.3 5.0 Lakhs towards Corporate Environment Responsibility.</p>	Agree
<p>7. The PP reported that there are no National parks, Biosphere Reserves Wildlife sanctuary and no Reserve Forests within 10 km distance from the project site. No Tiger/Elephant Reserves, etc. is present within 10 km distance from the project site. Dry Sahibi River is flowing at 4.43 km (SE) from the project site.</p>	Agree
<p>8. Ambient air quality monitoring was carried out during earlier EIA study at 8 locations during December, 2020 to February, 2021 and the baseline data indicates the ranges of mean concentrations as: PM10 (55.14-89.07 µg/m³), PM2.5 (34.22-52.62 µg/m³), SO₂ (5.02-9.86 µg/m³) and NO₂ (9.68-24.62 µg/m³) NH₃ (12.14-28.11 µg/m³). The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). The Committee deliberated the baseline data.</p>	Agree
<p>9. The PP reported that after proposed expansion, the total water requirement of the industry will be 1172 KLD out of which freshwater requirement will be limited to 800 KLD and rest will be met through recycling of the treated effluent. Fresh water requirement is being sourced by ground water. After expansion, the industrial and domestic wastewater generation will increase to 309.2 KLD and 18 KLD respectively. The treated water {372 KLD (including steam of 51.7 KLD provided in MEE)} from all treatment schemes will be recycled back to industrial usage. The treated water will be used for process, cooling tower makeup, gardening, ash cooling and misc. work. The unit will maintain the Zero liquid discharge. In aspect of the wastewater management, Plant have a well-developed wastewater management system to meet the desired limits and norms of pollution control</p>	Agree



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board, with existing facility of ETP, MEE-I, MEE-II, MVRE & ATFD & Incinerator. In the proposed expansion, new STP of 30 KLD for treatment of domestic wastewater and enhancement of MEE-II from 51 KLD to 164 KLD with additional ATFD has been proposed. Also, one new incinerator is also proposed in the plant.

10. The PP reported that the Power requirement after expansion will be 10 MVA including existing 7 MVA and will be met from Jaipur Vidyut Vitran Nigam Limited (JVNL). Existing unit has DG sets of 5x1500 kVA capacity used as standby during power failure. No additional DG set is proposed. Stack (30 m) have been provided as per CPCB norms to the DG sets. The Existing unit has 1x18 TPH & 1 x 10 TPH Coal fired boiler. Additionally, 1x12 TPH coal fired boiler will be installed. Multi cyclone separator and Bag filters with stack of height of 30 m will be installed for controlling the particulate emissions within the statutory limit for the proposed boiler.

Agree

11. Details of solid waste/hazardous waste disposal and process emissions generation and its management are as per the plan provided in the EIA & EMP report and as deliberated in the EAC. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <http://parivesh.nic.in>.

Agree

12. The proposal was considered by the **Expert Appraisal Committee Industry-3Sector) in its meetings held during 15-16 December, 2021 and 27-28 January, 2022** in the Ministry through video conferencing, wherein the project proponent and their accredited consultant [M/s. EQMS India Pvt. Ltd with accreditation number NABET/EIA/1922/RA0197 valid till 23.11.2022] presented the EIA & EMP report. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Experts Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA & EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

Agree

The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of their knowledge and belief and no information has been suppressed in the EIA/ EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental



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Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP reports is in compliance of the TOR and reflect the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measures towards Air, Water, Noise and Soil pollutions. The Committee also suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices. The committee also deliberated on the water balance data and found it satisfactory. The Committee also deliberated the onsite/offsite emergency plan and various mitigation measures to be proposed during implementation of the project.

The Committee suggested to use Biomass Briquettes as fuel, as committed also by the PP. The PP committed that PNG will be used once the connection/supply for PNG is available with Unit. The Committee advised that PP shall contact with gas distribution company for installation of PNG/Gas connection on priority and try to replace form PNG within 1 year. The Committee also suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices. The Committee deliberated the Green belt development plan submitted by PP. The Committee suggested that the greenbelt development shall be taken up actively by the PP and trees shall be planted considering 2m x 2m ratio and suggested to complete plantation with-in six months. The Committee deliberated the requisite information submitted by PP related to Year Wise Production details with respect to CTO/EC since Inception of the Unit, CGWA permission, Greenbelt, action plan for controlling the fugitive emissions, Conservation plan for Schedule-I species are found to be satisfactory.

The EAC deliberated on the proposal with due diligence using the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC also found the proposal in order and recommended for the grant of environmental clearance.

provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained

Agree

Agree



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<p>or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.</p>	
<p>14. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3), Ministry of Environment, Forest and Climate change hereby accords Environmental clearance to the project for Expansion of APIs, Bulk Drugs and Chemical Manufacturing Unit with proposed production capacity from 104.13 TPM to 190.83 TPM, located at SP-3, 10 & 11 RIICO Industrial Area, Village- Keshwana Rajpoot, Kotputli, District-Jaipur, Rajasthan by M/s Otsuka Chemical India Pvt. Ltd. under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under:-</p>	Agree
<p>A. Specific Conditions:</p>	
<p>(i). The PP 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.</p>	Agree
<p>(ii). The project proponent 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.</p>	Agree
<p>(iii). 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.</p>	Agree
<p>(iv).The occupational health centre for surveillance of the worker's health shall be setup. 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.</p>	Agree



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(v). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no treated/untreated waste water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture.	Agree
(vi). The unit shall make the arrangement for the prevention and protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms. Mock drill shall be conducted regularly.	Agree
(vii). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	Agree
(viii). Total fresh water requirement, sourced from Ground water, shall not exceed 800 KLD Prior permissions in this regard shall be obtained from the concerned regulatory authority.	Agree
(ix). As committed by PP that PNG will be used once the connection/supply for PNG is available with Unit. The Committee advised that PP shall contact with gas distribution company for installation of PNG/Gas connection on priority and try to replace with PNG within 1 year.	Agree
(x). 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.	Agree
(xi). The 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 server. 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.	Agree
(xii). The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system.	Agree



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<p>(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.</p> <p>(c) Solvents shall be stored in a separate space provided with all safety measures.</p> <p>(d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.</p> <p>(e) Entire plant shall be flame proof. The solvent storage tanks shall be provided breather valves to prevent losses.</p> <p>(f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.</p>	
<p>(xiii). Process organic residue and spent carbon, if any, shall be sent to Cement or other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF. There shall be commitment from the brick manufacturer to take the fly ash from the plant. The Unit is to be started after getting the commitment from the brick manufacturer / cement plant.</p>	Agree
<p>(xiv). The PP shall undertake waste minimization measures as below</p> <p>(a) Metering and control of quantities of active ingredients to minimize waste;</p> <p>(b) Reuse of byproduct from the process as raw materials or as raw material substitutes in other processes.</p> <p>(c) Use of automated filling to minimize spillage.</p> <p>(d) Use of Close Feed system into batch reactors.</p> <p>(e) Venting equipment through vapour recovery system.</p> <p>(f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.</p>	Agree
<p>(xv). The green belt of at least 5-10 m width shall be developed in 33% of the total project area mainly along the plant periphery/ additional land. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. Trees have to be planted with spacing of 2m x 2m and the number of trees has to be increased accordingly. The plant species can be selected that will give better carbon sequestration. All trees must be planted within one year and the implementation report shall be submitted to IRO, MoEFCC Jaipur.</p>	Agree



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(xvi). The activities and the action plan proposed by the project proponent to address the socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit. All the commitments made shall be satisfactorily implemented.	Agree
(xvii). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Agree
B. General Conditions: The grant of environmental clearance is further subject to Compliance of other general conditions as under:-	
(i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable, to assess the adequacy of condition imposed and to add additional environmental protection measures required, if any	Agree
(ii) The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.	Agree
(iii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Agree
(iv) 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 sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Agree
(v) The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding	Agree



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<p>area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>	
<p>(vi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change 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.</p>	Agree
<p>(vii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.</p>	Agree
<p>(viii) The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.</p>	Agree
<p>(ix) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned 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 respective Integrated Regional Office of MoEF&CC by e-mail.</p>	Agree
<p>(x) 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 and at https://parivesh.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</p>	Agree

