

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA
Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA.

No. SEIAA/HR/2018/578

Dated: 06-06-2018

To

M/s Kaiser life,
H.No. 113, Sector-48C,
HIG PUDA Houses, Mohali-160047

Subject: Environment Clearance for API Manufacturing Project "Kaiser Life" located at Village Dabkauri, Tehsil & Distt. Panchkula, Haryana.

Dear Sir,

This letter is in reference to your application no. dated 10.03.2017 addressed to M.S. SEIAA, Haryana received on 27.03.2017 and subsequent letters dated 19.12.2017, 19.02.2018 and 26.03.2018 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, Form1-A, Conceptual Plan, EIA/EMP on the basis of approved TOR and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 23.3.2012, in its meetings held on 03.05.2017, 1.01.2018, 14.03.2018 and 12.04.2018 awarded "Gold" grade to the project.

[2] It is inter-alia, noted that the project involves the project proposed API Manufacturing Project "Kaiser Life" located at Village Dabkauri, Tehsil & Distt. Panchkula, Haryana on a total plot area 3920.59 Sq. m and site falls under Industrial Zone as per the plan of Town and Country Planning Department, Panchkula. The industry is located about 15 km from the bulk drug APIs and Intermediates Hub of North India, Derabassi, Punjab and there is no residential area within 0.5 km of the site. The proposed API manufacturing industry involving production of Ciprofloxacin (100 kg per day), Ofloxacin (100 kg per day), Sofosbuvir (50 kg per day), Caffeine (300 kg per day) and Sulfobutylether β -Cyclodextrin (50 kg per day). It was further informed by the project proponent that the power requirement for the project shall be 200 KW, which will be provided by UHBVN and for power back-up they will install 1 DG Sets of total capacity 200 KVA. Total manpower engaged during the operation phase shall be 15 (Skilled and Un-Skilled). The total water requirement for the project shall be 12 KLD and 1.5 KLD respectively. Around 7 KLD effluent shall be generated which shall be treated in ETP of 20 KLD capacity. Treated water shall be recycled for cooling/ boiler make-up and remaining will be discharged to land for irrigation and about 1.2 KLD of domestic waste water shall be generated which will be treated in the septic tank. The source of air pollution is the flue gas through utility boiler stack and DG. To minimize the

concentration of the PM, Sox and Nox, adequate stack height and APCD will be attached with the Boiler. Hazardous waste will be sending to TSDF site or sold to authorize vendor. Ambient Air Quality Monitoring reveals that the minimum and maximum concentrations of PM 10 for all the 8 Air Quality monitoring stations were found to be 75.4 µg/m³ and 79.0 µg/m³ respectively, while for PM_{2.5} it vary between 43.3 µg/m³ and 45.6 µg/m³.

[3] The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations, have recommended the grant of environmental clearance for the project mentioned above, subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority in its meeting held on 02.05.2018 decided to agree with the recommendations of SEAAC to accord necessary environmental clearance for the project under Category 5(f) of EIA Notification 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

Specific Conditions

- i) National Emission Standards for Chemicals Manufacturing Industry issued by the ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended time to time shall be followed by the unit.
- ii) Boilers which is non fluidized boiler will either be converted into fluidized bed or if it remains non-fluidized than bag filter with multi- cyclone shall be installed to control particulate emissions within permissible limit. The gaseous emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines
- iii) In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemical/ materials, multi – cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment product, raw materials storage area etc. shall be regularly monitored. Odour management plan shall be implemented.
- iv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- v) The company shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall be simultaneously be sent to the Regional Office MoEF, the respective Zonal Office of CPCB and the HSPCB. The Levels of PM₁₀, PM_{2.5}, Sox, Nox, HCL , VOC and Co in the ambient air and emissions

from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.

- vi) As proposed, process organic residue and spent carbon, ETP sludge, process inorganic & evaporation salt and shall be sent to GEPIL site at Faridabad for treatment and disposal.
- vii) 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 and amended as on date for management of Hazardous wastes and prior permission from Haryana SPCB shall be obtained for disposal of solid/ hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.
- viii) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSCIHC) Rules, 11989 as amended in October, 1994 and January, 2000. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- ix) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms
- x) Total fresh water requirement from ground water source shall not exceed 14 KLD m^3 /day and prior permission shall be obtained from the CGWA/SGWA.
- xi) Industrial effluent generation shall not exceed 80 m^3 /day. Trade effluent shall be segregated into High COD/ TDS and Low COD/ TDS effluent streams. High COD/ TDS shall be passed through strippers followed by MEE. Low TDS effluent stream and condensate shall be treated in ETP and then sent to CETP for further treatment. Highly concentrated effluent will be sent to captive incinerator for incineration.
- xii) Process effluent/ any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passes through guard pond.
- xiii) Online monitoring system (24x7 monitoring device) for pH meter, flow meter and TOC analyzer should be installed. Efforts shall be also made to explore the possibility of recycling/ reuse of the treated effluent. The data to be made available to the respective SPCB and in the Company's website.
- xiv) 'Zero' effluent discharge shall be adopted and no effluent shall be discharged outside the premises.
- xv) Hazardous chemicals shall be stored in tanks in tanks farms, drums, carboys etc. flame arresters shall be provided to tank farm. Solvent transfer shall be by pumps.

- xvi) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per norms.
- xvii) Occupation health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xviii) As per proposed, green belt over 33% (1292 Sq. Meters) land shall be developed within plant premises with at least 5.0 meter wide green belt on all sides along the periphery of the project area, in downwind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.


**Member Secretary,
 State Level Environment Impact
 Assessment Authority, Haryana, Panchkula.**

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Endst. No. SEIAA/HR/2018/

Dated:.....

A copy of the above is forwarded to the following:

1. The Additional Director (IA Division), MoEF&CC, GoI, Indra Paryavaran Bhavan, Zor bagh Road-New Delhi.
2. The Regional office, Ministry of Environment, Forests & Climate Change, Govt. of India, Bay's no. 24-25, Sector 31-A, Dakshin Marg, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Pkl.

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**Member Secretary,
 State Level Environment Impact
 Assessment Authority, Haryana, Panchkula.**