

F. No. J-11011/32/2012 - IA II (I)  
**Government of India**  
Ministry of Environment, Forests and Climate Change  
(I.A. Division)

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Dated 4<sup>th</sup> February, 2015

To,  
The General Manager,  
M/s Esveegee Breweries (P) Ltd.  
Antaraa Tower, Danish Road  
Panbazar, Guwahati-781001 (Assam)

E-mail: [rajesh\\_jalan1@yahoo.com](mailto:rajesh_jalan1@yahoo.com) ; [rkdubey\\_rk@rediffmail.com](mailto:rkdubey_rk@rediffmail.com);

**Subject:** Grain based Distillery (EN/RS 60 KLPD) with Cogeneration Power Plant (3.5 MW) at Plot no.321, 323-325, 339-340, 362-363, 381, 392, 403 & 449 of **M/s Esveegee Breweries (P) Ltd.**, located at Village Manpur, Tehsil Namchi, District South Sikkim, Sikkim.- Environmental Clearance reg.

**Ref. :** Your letter no. Esvg/111/2013-14 dated 25<sup>th</sup> October, 2013.

Sir,

This has reference to your letter dated 25<sup>th</sup> October, 2013 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public Hearing Report and subsequent communication vide your letters dated 3<sup>rd</sup> February, 2014 and 26<sup>th</sup> September, 2014 on the above mentioned subject. Conservator of Forest, Department of Forest, Environment and Wildlife, Govt. of Sikkim vide letter no FCA/FEWMD/741-743 dated 10<sup>th</sup> December, 2014 has informed that notification SO 2167 dated 27.08.2014 has been published in the Government Gazette, wherein it is clearly indicate that eco sensitive zone for the Kitam Bird Sanctuary ( South Sikkim) has been declared upto 25 m and the area of M/s Esveegee Breweries (P) Ltd. is about 142 m away from the said Sanctuary as per the letter issued by DFO Namchi.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for setting up of Grain based Distillery (EN/RS 60 KLPD) with Cogeneration Power Plant (3.5 MW) at Plot no.321, 323-325, 339-340, 362-363, 381, 392, 403 & 449 located at Village Manpur, Tehsil Namchi, District South Sikkim, Sikkim. Interstate boundary of Sikkim & West Bengal is located at a distance of 80 m. Kitam Bird Sanctuary is located at distance of 200 m in NNW direction. Sumbuk RF, Kitam RF, Rangit RF, Mannjhitar RF, Rong RF, Mikhola RF, Bharikhola RF, Syampani RF, Salghari RF, Namchi RF, Jhum RF, Rabong RF etc are located within 10 km distance. Plant area is 12 acres or 4.8562 ha. Total cost of existing project is Rs. 44.90 Crore and proposed expansion is Rs. 79.5 crores. River Rangit is flowing adjacent to the site. The unit was established in 2010 without an EC and was operating with a CTO. The unit has been closed since January 2012 and will restart only after obtaining EC and approval from NBWL since the unit is located within 10km of WL Sanctuary. An application has been made at the State level for WL clearance.

3.0 Bagfilter alongwith stack of adequate height will be provided to coal/rice husk fired boiler to control particulate emission within 50 mg/Nm<sup>3</sup>. Total fresh water requirement from ground water source will be 600 m<sup>3</sup>/day for distillery and cogeneration unit. Spent wash will be 6 KI/KI of alcohol produced. Spent wash from grain based will be treated through decanter and concentrated in multi-



effect evaporator (MEE) to form Distiller's Wet Grains with Soluble (DWGS). DWGS will be dried in the dryer to form Distiller's Dry Grains with Soluble (DDGS). The condensate from MEE will be recycled back to the process. Spentlees, effluent from utilities and cogeneration unit will be treated in effluent treatment plant (ETP). Treated effluent will be recycled/reused within factory premises. No effluent will be discharged outside the plant premises. Fly ash from bagasse/biomass will be used as manure. Yeast sludge will be utilized for bio-composting. DWGS/DDGS will be sold as cattle feed. Waste/used oil will be sold to authorized recyclers / re-processors.

4.0 Public Hearing / Public Consultation meeting was conducted on 24<sup>th</sup> August, 2013.

5.0 All cane juice/non-molasses based distillery (>30 KLD) are listed at S.N. 5(g) (ii) under category 'A' and appraised at Central level.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its meetings held during 11<sup>th</sup>- 12<sup>th</sup> May, 2012, 3<sup>rd</sup>-5<sup>th</sup> December, 2012 and 29<sup>th</sup>-30<sup>th</sup> January, 2014 respectively. Project Proponent and the EIA Consultant namely M/s Envision Enviro Engineers Pvt. Ltd., have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance. M/s Esveegee Breweries (P) Ltd. has passed a resolution in a meeting of the Board of Directors held on 22<sup>nd</sup> June, 2011 that violation of the Environmental (Protection) Act, 1986 will not be repeated. A copy of Board Resolution is Annexed.

7.0 Based on the information submitted by the project proponent, the Ministry of Environment, Forests and Climate Change hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006, subject to the compliance of the following Specific and General Conditions:

**A. SPECIFIC CONDITIONS:**

- i) Distillery unit shall be based on Grain (60 KLPD) based only and no Molasses based distillery unit shall be operated.
- ii) Environmental clearance is subject to their obtaining prior clearance from the Standing Committee of the National Board for Wildlife as applicable regarding Kitam Bird Sanctuary. Grant of environmental clearance does not necessarily implies that wildlife clearance shall be granted to the project and that their proposals for wildlife clearance will be considered by the respective authorities on their merits and decision taken. No work at the site shall be started without prior permission. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from wildlife angle shall be entirely at the cost and risk of the project proponent and Ministry of Environment & Forests shall not be responsible in this regard in any manner" and all the recommendations shall be implemented in a time bound manner.
- iii) Bag filter along with stack of adequate height shall be provided to coal/rice husk fired boiler to control particulate emission within 50 mg/Nm<sup>3</sup>.
- iv) 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 chemicals/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 and records shall be maintained. The emissions shall conform to the limits



- v) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- vi) Pucca approach road to project site should be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.
- vii) The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the respective Regional office of MOEF, the respective Zonal office of CPCB and the SPCB. The levels of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- viii) Total fresh water requirement from ground water source/River shall not exceed 600 m<sup>3</sup>/day for distillery and cogeneration unit and prior permission shall be obtained from Central Ground Water/State Ground Water Authority. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.
- ix) Spent wash generation shall not exceed 6 Kl/Kl of alcohol. Spent wash shall be treated through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. DWGS will be sent to dryer to form DDGS. Spentlees, effluent from bottle washing, utilities and cogeneration unit shall be treated in effluent treatment plant (ETP) and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and recycle/reuse.
- x) As proposed, no effluent from distillery and co-generation power plant shall be discharged outside the premises and Zero discharge shall be adopted.
- xi) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- xii) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area should be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids should be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Shillong and SPCB.
- xiii) No storage of wet cake shall be done at site. An additional dryer shall be installed so that at any time wet cake is not sold then wet cake shall be converted into dry cake by operating additional dryer.
- xiv) Rice husk/coal storage shall be done in such a way that it does not get air borne or fly around due to wind.
- xv) Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust shall be avoided.
- xvi) Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.
- xvii) Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be



strengthened and the regular medical test records of each employee shall be maintained separately.

- xviii) Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xix) As proposed, green belt over 33 % of the total project area should 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.
- xx) All the commitment made regarding issues raised during the public hearing/consultation meeting held on 24<sup>th</sup> August, 2013 shall be satisfactorily implemented.
- xxi) At least 5 % of the total cost of the project shall be earmarked towards the Enterprise social responsibility based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Shilong. Implementation of such program shall be ensured accordingly in a time bound manner.
- xxii) The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall *inter-alia* address (i) Standard operating process/procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
- xxiii) Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

#### **B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the Sikkim State Pollution Control Board (SPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) 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.
- 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).



- v. The Company shall harvest rainwater from the roof tops of the buildings 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.
- vi. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- vii. The company shall also 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, risk mitigation measures and public hearing relating to the project shall be implemented.
- viii. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- ix. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- x. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xi. The company shall earmark sufficient funds towards capital cost and 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.
- xii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- xiii. 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 e-mail) to the respective Regional Office of MoEF, 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.
- xiv. The environmental statement for each financial year ending 31<sup>st</sup> 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 Regional Offices of MoEF by e-mail.
- xv. 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://moef.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.
- xvi. 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 the concerned authorities and the date of start of the project.



8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water 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.

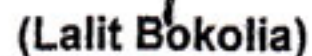
11.0 The Environmental Clearance is issued for Grain based Distillery (ENA/RS 60 KLPD) with Cogeneration Power Plant (3.5 MW) at Plot no.321, 323-325, 339-340, 362-363, 381, 392, 403 & 449 to **M/s Esveegee Breweries (P) Ltd.**, located at Village Manpur, Tehsil Namchi, District South Sikkim, Sikkim



(Lalit Bokolia)  
Additional Director

Copy to:-

1. The PCCF-cum-Principal Secretary, Forests & Environment Department, Government of Sikkim, Forest Secretariat Annexure II, Ground Floor, Room No. 1101, Deorali-737102.
2. Chief Conservator of Forests, Ministry of Environment, Forests and Climate Change, North-Eastern Zone, Upland Road, Laitumhran Shillong-793003.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Sikkim Pollution Control Board Forest, Environment Wildlife Management Department Government of Sikkim Forest Secretariat Annex I, Ground Floor,, Deorali, Gangtok -737102, East Sikkim.
5. The District Collector, District South Sikkim, Sikkim.
6. Monitoring Cell, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, , New Delhi.
7. Guard File/Monitoring File/Record File.



(Lalit Bokolia)  
Additional Director