

F. No. J-11011/259/2015-IA.II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

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Dated: 22nd February, 2017

To,
The Managing Director
M/s Svaksha Distillery Ltd.
Dakshin Simla, Kharagpur,
West Medinipur
West Bengal

Sub: Setting up of grain based distillery unit (200 KLPD) at Village Dakshin Simla, Police Station Kharagpur, Tehsil Kharagpur-I, District West Medinipur, West Bengal by M/s Svaksha Distillery Ltd. - Environmental Clearance - reg.

Ref.: Your online proposal no. IA/WB/IND2/31343/2015 dated 30th August, 2016.

Sir,
This has reference to your online proposal no. IA/WB/IND2/31343/2015 dated 30th August, 2016 along with project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with Public Hearing Report regarding above mentioned project.

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 unit (200 KLPD) at Village Dakshin Simla, Police Station Kharagpur, Tehsil Kharagpur-I, District West Medinipur, West Bengal by M/s Svaksha Distillery Ltd. Plot area for distillery plant is 8.40 ha, of which, area earmarked for greenbelt is 2.80 ha. Total cost of project is ₹ 197.50 Crores. Total capital cost and recurring cost per annum earmarked for EMP will be ₹ 17.80 crore and ₹ 3.45 crore respectively. It is reported that there is no National Parks/Wild Life Sanctuaries/Biosphere Reserves/RF within 10 km radius area of project site. Following product will be manufactured:

S.No.	Units / Product/By Product Phase	Proposed Quantity
1	Distillery plant (Rectified Spirit / ENA / Ethanol)	200 KLPD
2	Cogeneration Power Plant (Electricity)	10 MW
3	Bottling of country/ IMFL Liquor	16000 cases/day
	By Products	
1	DDGS (Dried Distillers Grains with Soluble)	100 MTPD
2	Fusel Oil	2 MTPD



3	CO2	150 TPD
4	Corn oil	10 MTPD

3.0 Total power requirement will be 6 MW which will be sourced from own co-gen unit. Proposed unit will use 2 X 35 TPH Rice husk/ coal fired boiler but committee suggested to use Briquette in place of Rice husk/ coal. PP agrees with the suggestion. Two DG sets of 500 KVA capacity will be used as a standby. ESP along with adequate stack height will be provided to biomass fired boiler to control particulate emission. Fresh water requirement from ground water will be 1760 m³/day. Spent wash generation will be 945 m³/day. Spent wash will be treated through decanter and concentrated in MEE to form DWGS. DWGS will be sent to dryer to form DDGS. Other wastewater will be treated in ETP. Used oil and spent oil will be sold to authorized recyclers. Fly ash generated from the project will be used in own brick manufacturers unit.

4.0 Public Hearing / Public Consultation meeting was conducted on 8th July, 2016.

5.0 All Grain based distillery (>60 KLPD) are listed at SN 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 14th EAC meeting held during 26th-27th October, 2016. Project Proponent and the EIA Consultant namely M/s Ace Engineers and Consultants 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.

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

A. SPECIFIC CONDITIONS:

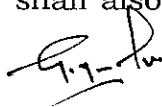
- i) ESP along with stack of adequate height shall be provided to Briquette fired boiler to control particulate emission within 50mg/Nm³.
- ii) Total fresh water requirement of 1760 m³/day will be met from ground water and prior permission shall be obtained from the CGWA/SGWA.
- iii) Spent wash generation from grain based distillery shall not exceed 6 KI/KI 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 DOGS. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment. Treated effluent will be used for make up water of cooling towers and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and recycle/reuse.
- iv) Spent wash shall be stored in SS tank. The storage of spent wash shall not exceed 5 days capacity.
- v) No effluent from distillery shall be discharged outside the plant premises and Zero discharge shall be adopted. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.
- vi) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

- vii) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall 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 shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhubaneswar and SPCB.
- viii) 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. Captive Power Plant will also confirm the prescribed standards.
- ix) 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. DMP shall be implemented.
- x) 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.
- xi) 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.
- xii) As proposed, green belt over 2.80 ha of the total project area 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.
- xiii) All the commitments made during the Public Hearing/Public Consultation meeting held on 8th July, 2016 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- xiv) At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs particularly village named Dakshin Simla and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the 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 stations is installed in the upwind and downwind

- direction as well as where maximum ground level concentrations are anticipated.
- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
 - v. 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).
 - vi. 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.
 - vii. 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.
 - viii. 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.
 - ix. 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.
 - x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
 - xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
 - xii. 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.
 - xiii. 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.
 - xiv. 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.
 - xv. 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 Regional Offices of MoEF by e-mail.

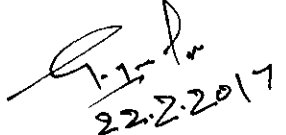
xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within 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.

xvii. 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.

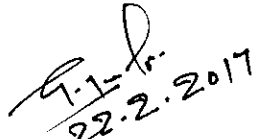
9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

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.


22.2.2017
(Yogendra Pal Singh)
Scientist 'D'

Copy to:-

1. The Secretary, Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Member Secretary, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA Sector-III, Salt Lake, Kolkata - 700091, West Bengal.
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-3, Chandrashekharapur, Bhubaneswar - 751 023, Orissa.
5. Monitoring Cell, Ministry of Environment and Forests, Indira Paryavaran Bhavan, Aliganj, Jor Bagh Road, New Delhi - 110 003.
6. Guard File/Monitoring File/Record File.


22.2.2017
(Yogendra Pal Singh)
Scientist 'D'

