

**F.No. J-11011/23/2016-IA II (I)**  
Government of India  
Ministry of Environment, Forest & Climate Change  
IA-II Division

Indira Paryavaran Bhawan  
Jorbagh Road, New Delhi - 3  
Dated: 4<sup>th</sup> April, 2018

To

M/s Ashoka Distillers & Chemicals Private Limited,  
Village & Tehsil Hathin  
District Palwal (Haryana)

**Sub: Expansion of grain based distillery & Co-generation Power Plant within existing plant by M/s Ashoka Distillers & Chemicals Private Limited at Village & Tehsil Hathin, District Palwal (Haryana) - Amendment in EC - reg.**

Sir,

This refers to your online proposal No. IA/HR/IND2/50750/2016 dated 13<sup>th</sup> December, 2017 for amendment in the environmental clearance granted by the Ministry vide letter dated 28<sup>th</sup> September, 2017 for the above project.

2. The proposal was considered by the Expert Appraisal Committee (Industry-2) in the Ministry in its 34<sup>th</sup> meeting held on 26-28 February, 2018. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under: -

(i) The Ministry has granted environmental clearance vide letter No. J-11011/23/2016-IA-II (I) dated 28<sup>th</sup> September, 2017 to the project 'Expansion of grain based distillery (80 to 160 KLPD) & Co-generation Power Plant (2 MW to 5 MW)' within existing plant by M/s Ashoka Distillers & Chemicals Private Limited at Village & Tehsil Hathin, District Palwal (Haryana).

(ii) The amendments have been sought in the EC as per details below: -

S. No	Para of EC	Details as per the EC				To be revised / read as			
1	3	S. No	Product	Existing	After expansion	S. No.	Product	Existing	After expansion
		1	Distillery (Extra Neutral Alcohol / Rectified Spirit)	80 KLPD	160 KLPD	1	Distillery (Extra Neutral Alcohol / Rectified Spirit) and IMFL & CL	80 KLPD	160 KLPD
		2	Co-generation Power Plant	2.0 MW	5 MW	2	Co-generation Power Plant	2.0 MW	5 MW
		By-Products: Cattle feed (DWGS / DDGS) and CO <sub>2</sub>				By-Products: Cattle feed (DWGS / DDGS) and CO <sub>2</sub>			
2.	12 (xxi)	Continuous online (24X7) monitoring system, both for emissions and the effluent, shall be installed within the				Continuous online (24X7) monitoring system for stack emissions shall be installed within the plant site for			

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		plant site for measurement of discharge and pollutants concentration. Data shall be uploaded on the company's website and provided to the respective RO of MoEFCC, CPCB and SPCB.	measurement of pollutants concentration. Data shall be uploaded on the company's website and provided to the respective RO of MoEFCC, CPCB and SPCB.
3.	12 (xv)	The green belt of at least 10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc., As many as 25000 trees to be planted per year during first five years. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	The company shall maintain greenbelt in 33% of the total plant area as per CPCB guidelines to mitigate the effect of fugitive emissions.
4.	12(iv)	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G. S. R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.	Not Applicable

3. The EAC has recommended the proposed amendments in the environmental clearance dated 28<sup>th</sup> September, 2017, with the details as under:

(a) Para 3 to be revised as

S.No.	Product	Existing	After expansion
1	Distillery (Extra Neutral Alcohol / Rectified Spirit) and IMFL & CL	80 KLPD	160 KLPD
2	Co-generation Power Plant	2.0 MW	5 MW
By-Products: Cattle feed (DWGS / DDGS) and CO <sub>2</sub>			

(b) Specific conditions 12 (iv), (xv) & (xxi) to be revised and/or read as under: -

(iv) To be deleted.

(xv) The company shall maintain greenbelt in 33% of the total plant area as per CPCB guidelines to mitigate the effect of fugitive emissions.

(xxi) 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.

4. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendments in the environmental clearance dated 28<sup>th</sup> September, 2017, as stated in para 3 above, for the project 'Expansion of grain based distillery (80 to 160 KLPD) & Co-generation Power Plant (2 MW to 5 MW)' within existing

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plant by M/s Ashoka Distillers & Chemicals Private Limited at Village & Tehsil Hathin, District Palwal (Haryana).

5. All other terms and conditions stipulated in the environmental clearance dated 28<sup>th</sup> September, 2017 shall remain unchanged.

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4/4/2018  
(S. K. Srivastava)  
Scientist E

**Copy to: -**

1. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (NZ), Bays No. 24-25, Sector 31 A, Dakshin Marg, **Chandigarh** - 160030
2. The Secretary, Department of Environment, Government of Haryana, SCO 1-2-3, Sector 17-D (2<sup>nd</sup> Floor), **Chandigarh**
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, **Delhi** - 32
4. The Member Secretary, Haryana Pollution Control Board, C-11, Sector-6, **Panchkula** -134109 (Haryana)
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, **New Delhi**
6. Guard File/Monitoring File/Record File

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Scientist E

F. No. J-11011/23/2016-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA- II Section)

Indira Paryavaran Bhawan  
Jorbagh Road, New Delhi -3

Dated: 28<sup>th</sup> September, 2017

To

✓ M/s Ashoka Distillers & Chemicals Pvt Ltd  
Village & Tehsil Hathin, District Palwal  
(Haryana)

**Sub: Expansion of Grain Based Distillery & Co-generation Power Plant within the existing premises at Village & Tehsil Hathin, District Palwal (Haryana) by M/s Ashoka Distillers & Chemicals Pvt Ltd - Environmental Clearance - reg.**

Sir,

This has reference to your online proposal no. IA/HR/IND2/50750/2016 dated 14<sup>th</sup> July, 2017, submitting the EIA/EMP report with public consultation details on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for expansion of grain based distillery from 80 to 160 KLPD & co-generation power plant from 2 MW to 5 MW within the existing premises at Village & Tehsil Hathin, District Palwal (Haryana) by M/s Ashoka Distillers & Chemicals Pvt Ltd.

3. The existing and proposed products and capacities are as under:-

S.No.	Product	Existing	After expansion
1	Distillery (Extra Neutral Alcohol/Rectified Spirit)	80 KLPD	160 KLPD
2	Co-generation Power Plant	2 MW	5 MW
By-Products: Cattle feed (DWGS / DDGS) and CO <sub>2</sub>			

4. The existing land area is 11.82 ha and no additional land will be used for the proposed expansion. Industry has already developed Greenbelt in an area of 3.9 Ha out of 11.82 Ha of area of the project. The estimated project cost is Rs. 30 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 10 Crores and the recurring cost (operation and maintenance) will be about Rs. 1 Crore per annum. Total employment will be for 150 persons as direct & 250 persons as indirect after expansion. Industry proposes to allocate Rs 1.31 Crores towards Corporate Social Responsibility.

*Sd/-*



5. There are no National parks, Wildlife sanctuaries, Biosphere reserves, Tiger/Elephant reserves, Wildlife corridors, Rivers etc. within 10 km distance from the project site.

6. The total water requirement will be 3517 m<sup>3</sup>/day of which fresh water requirement of 1350 m<sup>3</sup>/day will be met from groundwater.

Effluent of 510 m<sup>3</sup>/day will be treated through condensate polishing unit (CPU) and effluent treatment plant (ETP) and reused/ recycled in the plant. The distillery is following zero liquid discharge system.

Power requirement after expansion will be 3.6 MW including existing 2.0 MW and will be met from Co- generation power plant. Existing unit has 3 DG sets of capacity 750 KVA, 725 KVA & 500 KVA each with adequate stack height and no additional DG set is required.

Existing unit has three boilers of capacity 25, 12 & 6 TPH each. After proposed expansion old boilers of 12 & 6 TPH will be dismantled and new boiler of 45 TPH will be installed and 25 TPH will be kept as standby for emergency usage. Bag filter with a stack of height of 60 m will be installed for controlling the particulate emissions (within statutory limit of 50 mg/Nm<sup>3</sup>) for proposed 45 TPH Biogas & multi fuel fired boiler.

7. Ambient air quality monitoring carried out at 8 locations during March to May, 2016 and the modeling study for point source emissions indicates that the maximum GLCs after the proposed expansion are within the National Ambient Air Quality Standards (NAAQS).

8. All Non- molasses based distilleries (>60 KLD) are listed at 5(g)(ii) of Schedule to the Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC) in the Ministry.

9. The terms of reference (ToR) for the project was granted on 15<sup>th</sup> July, 2016 with public consultation.

10. The public consultation for the project has been conducted by the Haryana State Pollution Control Board on 14<sup>th</sup> March, 2017.

11. The proposal for environmental clearance was placed before the EAC (Industry-2) in its 27<sup>th</sup> meeting held during 28-29 August, 2017. The project proponent and the accredited consultant M/s JM Enviro Net Pvt Ltd presented the EIA/EMP report as per the ToR. The committee found the EIA/EMP report satisfactory and in consonance with the ToR, and recommended the proposal for environmental clearance with certain conditions.

12. Based on the information submitted by the project proponent and recommendation of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project **'Expansion of Grain based Distillery from 80 to 160 KLPD & Co-generation Power Plant from 2 MW to 5 MW within the existing premises by M/s Ashoka Distillers & Chemicals Pvt Ltd at Village & Tehsil Hathin, District Palwal (Haryana)',** under the





provisions of EIA Notification, 2006 and the amendments made therein, subject to the compliance of terms and conditions, as under:-

- (i) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (ii) As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. The domestic effluent discharge, if any, shall conform to the standards prescribed under the Environment (Protection) Rules, 1986.
- (iii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- (iv) National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21<sup>st</sup> July, 2010 and amended from time to time shall be followed.
- (v) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Multi-cyclone followed by bag filter shall be provided to the agro fuel fired boiler to control particulate emissions within permissible limit. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (vi) 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) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.
  - (d) Solvents shall be stored in a separate space specified with all safety measures.
  - (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
  - (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
  - (g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (vii) Total fresh/ground water requirement shall not exceed 1350 cum/day. The required permission in this regard shall be obtained from the concerned regulatory authority/CGWA before the proposed expansion.

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- (viii) Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
- (ix) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- (x) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.
- (xi) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- (xii) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- (xiii) Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.
- (xiv) The company 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 clearing to reduce wastewater generation.
- (xv) The green belt of at least 10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. As many as 25000 trees to be planted per year during first five years. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- (xvi) All the commitment made regarding issues raised during the Public Hearing/ consultation meeting held on 14th March, 2017 shall be satisfactorily implemented.

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- (xvii) At least 5% of the total project cost shall be allocated for Enterprise Social Commitment 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.
- (xviii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (xix) 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.
- (xx) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- (xxi) Continuous online (24x7) monitoring system, both for emissions and the effluent, shall be installed within the plant site for measurement of discharge and pollutants concentration. Data shall be uploaded on the company's website and provided to the respective RO of MoEF&CC, CPCB and SPCB.

**12.1.** The grant of environmental clearance is subject to compliance of other general conditions, as under:-

- (i) The project authorities must strictly adhere to the stipulations made by the State Government, Central Pollution Control Board, State Pollution Control Board 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, Forest and Climate Change. 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 each 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 16<sup>th</sup> 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).

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- (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 and risk mitigation measures 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) 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.
- (xii) 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.
- (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&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.
- (xiv) 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&CC 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.

13. The Ministry may revoke or suspend the clearance, at subsequent stages, if implementation of any of the above conditions is not satisfactory.

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

15. 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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

*SKS*  
28/9/2017  
(S. K. Srivastava)  
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**Copy to:-**

1. The Secretary, Department of Environment, Government of Haryana, SCO 1-2-3, Sector 17 (D), 2<sup>nd</sup> Floor, Chandigarh
2. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (NZ), Bays No. 24-25, Sector 31 A, Dakshin Marg, Chandigarh-30
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar (Delhi)-32
4. The Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula-109 (Haryana)
5. Guard File/Monitoring File/Website/Record File

*SKS*  
28/9/2017  
(S. K. Srivastava)  
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