

State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)

Research and Development Wing
Madhya Pradesh Pollution Control Board
Paryavaran Parisar, E-5, Arera Colony
Bhopal-4620 16

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1952/SEIAA/13

DT-14-11-13

To,
M/s J.J. Distillers & Beverages Pvt. Ltd
Shri Gaurav Chaturvedi,
Nagendra Bhawan, Narayni Bai Ki Gali,
Near Nagar Palika, Duttapura,
Distt.- Morena (M.P) -476001

Sub:- Case No. 606/2010, Prior Environmental Clearance for J.J. Distilleries & Beverages Pvt. Ltd. Grain based Distillery (28 KLPD) of Alcohol, IMFL bottling of 5000 cases per day in an area of 15 Acres (6.07 ha) at Khasra nos. 410, 411, 412, 416 to 420, 429 to 432, 434, 434/1012, 435, 437, 438, 440, 441, 442, 456, 545, 546 & 548 (total 24 Khasras) at Village – Firozpur, Tehsil & District Morena (M.P.) by M/s J.J. Distillers & Beverages Pvt. Ltd through Shri Gaurav Chaturvedi, Nagendra Bhawan, Narayni Bai Ki Gali, Near Nagar Palika, Duttapura, Distt.- Morena (M.P) -476001

This has reference to your letter No. J.J./02/0612/2010-11 received in the SEIAA office on 07.12.2010 revised form received on 03.10.11 and subsequent letters 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., the Form I, pre-feasibility report, ToR and and subsequently submission of EIA report, public hearing documents and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and Environment Impact Assessment Authority (SEIAA) constituted by competent Authority.

- II. The proposed project is J.J. Distilleries & Beverages Pvt. Ltd. Grain based Distillery (28 KLPD) of Alcohol and IMFL bottling of 5000 cases per day in an area of 15 Acres (6.07) ha MW at village Firozpur, Tehsil & District Morena (M.P.) The proponent is M/s J.J. Distillers & Beverages Pvt. Ltd through Shri Gaurav Chaturvedi, Nagendra Bhawan, Narayni Bai Ki Gali, Near Nagar Palika, Duttapura, Distt.- Morena (M.P) -476001 through Director, Shri Gaurav Chaturvedi.
- III. The project is covered under 5 (g) (ii) category B of the EIA Notification issued by the Ministry of Environment & Forest vide S.O.1533 (E), dated September 14, 2006.
- IV. The site was initially proposed at village Jafarabad, District Morena (area 7.75 acres) however as per SEAC recommendation for alternative site, the new

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▪ **Correspondence Address:** Member Secretary, SEIAA, Environmental Planning and Coordination Organisation (EPCO), Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016

▪ **Registration No.:** To be quoted in registered cases for correspondence

Case no. 606/2010

site was selected by PP at village Imaliya, District Morena (area 15.0 acres i.e. 6.07 ha) and revised Form-1 was submitted and subsequently revised ToR was issued by SEAC.

- V. Further in revised Form-1 PP has mentioned village name as "Imaliya" however, actually it is village "Firozpur" under the Gram Panchayat Imaliya for which PP has submitted Khasra Panchsala 2011-2012 and letter from Tehsildar dtd 20.02.2013. PP (vide letter dtd 22.05.2013 received in SEIAA office on 27.05.2013 point no. 4) has submitted that "Due to above misunderstanding towards common name of the village, we have written Imliya instead of Firozpur in our application form and we extend our sincere regret for the inconvenience caused." Hence, accordingly the name of village "Firozpur" was taken in record for the proposed site (136th SEIAA meeting minutes dated 11.06.2013).
- VI. The plant site is 3.5 km away from SH – 2. The Chambal sanctuary is located at a distance of 12 km from the site (DFO letter dated 11.07.12) and interstate boundary is located at a distance of 12.8 km (Collector Morena letter dated 01.11.12). Since, no wildlife Sanctuaries, National Parks, Tiger Reserves and interstate boundary is located within 10 km of the boundary. Hence, the general conditions as per EIA Notification 2006 are not attracted.
- VII. As per the notarized copy of Khasra Panchsala 2011-2012 submitted by PP (vide letter dtd. 05/11/12) the proposed land (village Firozpur) is in the name of J.J. Distillers & Beverages Pvt. Ltd Director Shri Gaurav Chaturvedi & in individual name of Shri Gaurav Chaturvedi S/o Shri Jitendra Chaturvedi.
- VIII. The Public Hearing was held on 03.05.2012 at village Imaliya (Firozpur), Tehsil & District Morena (M.P.) under the Chairmanship of Collector, Morena. The issues raised during public hearing were of general nature, nothing adverse was found regarding degradation of the environment.
- IX. The total water requirement is 1038 KLD out of which fresh water requirement is 416 KLD and recycled water 667 KLD. The source of fresh water is proposed to be met from ground water as per ground water permission (CGWA letter no.21-4 (141)/NCR/CGWA/2012-130 dtd. 18.01.13) for abstraction of 426 m³/day of ground water with conditions.
- X. There will be no generation of industrial effluent as zero discharge technology shall be adopted for treatment of effluent. Industrial effluent treatment is proposed to be through centrifuge decanter for separation of suspended solid followed by multi effective evaporator to maintain zero discharge.
- XI. Total solid waste generation will be around 38-39 TPD wet grains, 1-2 TPD yeast sludge which is proposed to be used for cattle feed. The boiler ash (15-20 TPD) generated shall be stored in silo and given for brick manufacturing.
- XII. An area of 20032 sq. m with 4000 plants will be used as green belt.
- XIII. It is proposed to use biomass as principal fuel with addition of 15% of coal, which will be about 80.75 TPD of biomass and 14.025 TPD of coal. The availability of biomass is not a question as the main raw material for distillery is grain only, therefore their husk/ stalks will be available as bio mass.
- XIV. It is noted that as per the sub Para (c) of Para V(iii) of MoEF EIA Notification as per amendment dtd. 01.12.2009 the "(i) Power plants upto 15 MW,

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based on biomass and using auxiliary fuel such as coal /lignite/petroleum products upto 15% are exempt.....(ii).....(iii).....". As per PP's statement the power generation is based on biomass and only 15% of coal is to be used, hence, EC for Co-generation of power is not required.

- XV. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.

Based on the information submitted as at Para ii to XIV above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 144th SEIAA meeting held on 23.08.2013 and decided to accept the recommendations of 101st SEAC meeting held on 22.08.2012 with 12 special conditions. Hence, Prior Environmental Clearance is accorded for Grain based Distillery (28 KLPD) of Alcohol, IMFL bottling of 5000 cases per day an area 15 Acres (6.07 ha) at Khasra nos. 410, 411, 412, 416 to 420, 429 to 432, 434, 434/1012, 435, 437, 438, 440, 441, 442, 456, 545, 546 & 548 (total 24 Khasras) at Village – Firozpur, Tehsil & District Morena (M.P.) by M/s J.J. Distillers & Beverages Pvt. Ltd through Shri Gaurav Chaturvedi, Nagendra Bhawan, Narayni Bai Ki Gali, Near Nagar Palika, Duttapura, Distt.- Morena (M.P) under the provisions of EIA notification dated September 14, 2006, subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA and SEAC in its meetings.

1. PP should strictly follow the conditions stipulated in the NOC (CGWA letter no. 130 dtd. 18.01.13) for ground water abstraction. (136th SEIAA meeting dtd 11.06.13).
2. The power generation is based on biomass and only 15% of coal is to be used. PP should ensure that the boiler should be designed to use biomass fuel and PP should use coal not more than 15%. (144th SEIAA meeting dtd 23.08.13).
3. Industry shall install Multi Effective Evaporator (MEE) for treatment and disposal of effluent. Zero discharge shall be maintained.
4. The EC shall be valid for production of spirit from grain only. Molasses based distillation shall not be allowed under any circumstances.
5. Fresh water demand shall not exceed 416 KL per day and quantity of spent wash hall not exceed 304 KLD.
6. Only non-edible grains shall be used for fermentation.
7. Industry shall install bag-house in boiler to maintain the emission level of particulate matter below 50 mg/Nm³.
8. Solid waste generated from the process shall be used as cattle-feed. Industry shall explore the possibility to make it available to the local farmers/people also.
9. Infrastructure for the rain water harvesting as proposed shall be installed along with the main construction activity.
10. Industry shall take effective measures to control the odour nuisance.
11. Industry shall comply with the provisions of CREP Charter.
12. Dense plantation shall be taken up in at least 33% of total plot area.

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13. Under community services: the PP shall provide toilets, community hall at village Imliya, Lalrkalan, Firozpur, Parks and solar street lights in these villages.
14. Industry shall obtain permission from CGWA for abstraction of ground water.

Encl: Annex-I

o/c
(Manohar Dubey)
Member Secretary

Endt No. 1953/SEIAA/13 Dated: 14-11-13

Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal.
2. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
3. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-4620 16
4. The Collector, Morena, District Morena (M.P.)
5. Division, Monitoring Cell, MoEF, GOI, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
6. Regional Officer, Regional Office of the Ministry of Environment & Forest, Gol, Western Region, Kendriya Paryawarn Bhawan, Link Road No. 3 Ravi Shankar Nagar, Regional office of the MOEF, Bhopal-462016
7. Under Secretary to the Govt. of India, Ministries of Industries, Department of Industrial Policy and Promotion Secretariat of Industrial Assistance, (Public Relation and complaints section), New Delhi.
8. Under Secretary to the Govt. of Madhya Pradesh, Commercial Tax Department Mantralaya, Vallabh Bhawan, Bhopal.
9. Guard file.

Encl: Annex-I

o/c
(Dr. Vinita Vipat)
Officer-in-Charge

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Annex-I

Standard Conditions related to item 5 (g) (ii) of the schedule of EIA notification, 2006 (Distilleries)

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
3. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
4. All the commitment made regarding issues raised during the public hearing / consultation meeting shall be satisfactorily implemented. Item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured as office Memorandum dated 18.05.12 of MoEF, Gol and its amendments.
5. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of raw material and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments.
6. Closed Cycle Cooling system with cooling towers, dust suppression system including water sprinkling system shall be provided at fugitive emission areas to control dust emission. The industry has to keep strict vigilance on the Fugitive emission and shall ensure that the ambient air quality is well within the prescribed norms by MoEF/ CPCB.
7. Appropriate number of ambient air quality-monitoring stations shall be established for RSPM, SPM, SO₂, NO_x CO & HC monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly up loaded and displayed on the company's website. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office, MoEF, Gol, Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the plant premises shall confirm to the norms prescribed in MoEF notification no. GSR/826(E) dtd. 16.11.09.
9. As proposed, bag filter along with stack of adequate height shall be provided to coal/rice husk fired boiler to control particulate emission within 50 mg/NM³. At no


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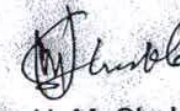
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time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.

10. For total fresh water requirement of the distillery unit, prior permission shall be obtained from concerned competent authority.
11. The industrial waste water should be properly collected and treated through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. DWGS will be sent to dryer to form DDGS. Spent lees after heat recovery shall be used for liquefaction and distillation. The wastewater from various streams after treatment shall be recycled in the process, fermentation, cooling tower, plantation etc. so as to maintain zero discharge.
12. The treated waste water (if any) should conform to the standards prescribed by MoEF & CPCB under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed. In no circumstance treated waste water should be discharged outside the premises.
13. Regular monitoring (pre & post monsoon) of ground water quality including heavy metals shall be undertaken in the project site and surrounding area to ascertain the change, if any, in the ground water quality due to leaching of contaminants and report shall be submitted to the MoEF, GoI Regional Office at Bhopal and MPPCB.
14. No storage of wet cake should be done at site. If necessary then an additional dryer should be installed to convert wet cake into dry cake.
15. Rice husk / Coal storage should be done in such a way that it does not get air borne or fly around due to wind.
16. Fly 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 along with the storm water. Direct exposure of workers to fly ash and dust shall be avoided. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2009.
17. Risk Assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional office at Bhopal within six months. 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 firefighting shall be made to control fire from the alcohol storage tank


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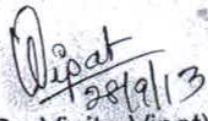

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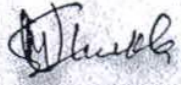
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18. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). Workers shall be provided with ear plugs / muffs.
19. Green belt shall be developed and plantation shall be done as per the CPCB guidelines. Thick green belt with suitable plant species shall be developed around the proposed distillery to mitigate the odour problem.
20. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.
21. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
22. Commitment towards CSR have to be followed strictly.
23. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
24. The Project Proponent shall provide proper arrangement for the disposal of hazardous waste (if any) and obtain authorization under Hazardous Waste (Management Handling & Transboundary Movement) Rules 2008 from MPPCB.
25. Concrete measures shall be taken for prevention of disposal of solid waste from the premises into nearby land.
26. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
27. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
28. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, and its Regional Office, Bhopal.
29. The Regional Office, MoEF, GoI, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, and Environmental Monitoring Plan


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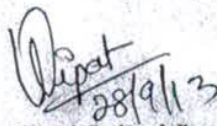

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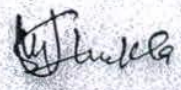
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- as approved by SEAC should be submitted to Regional Office, MoEF, Gol, Bhopal & MPPCB within six months.
30. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB within six months.
 31. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO as applicable and responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
 32. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.
 33. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority, viz. CPCB, MPCB and Regional office of MoEF, Gol at Bhopal on 1st June and 1st December of each calendar year.
 34. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal / the CPCB / the SPCB during monitoring of the project.
 35. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
 36. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
 37. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.


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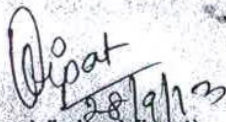

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38. The Environmental Clearance shall be valid for a period of five years from the date of issue of EC as per EIA Notification, 2006 Para 9.
39. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
40. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with amendments and rules.
41. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
42. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the Regional Office of MoEF.
43. 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, mobile sewage treatment plant, 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 waste shall be managed so that there is no impact on the surrounding environment.
44. 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.


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