

**Government of Maharashtra**

No. SEAC-2010/CR.539/TC.2  
Environment department  
Room No. 217, 2nd floor,  
Mantralaya Annexe,  
Mumbai- 400 032.  
Dated: 4<sup>th</sup> December, 2010

To,  
Morya Grain Distilleries Pvt. Ltd.  
Admn Office, 81, Prabhat Centre,  
CBD Belapur, Navi  
Mumbai- 400614.

**Sub: Grain-based distillery at MIDC, Paithan, Dist. Aurangabad by M/s. Morya Grain Distilleries Pvt. Ltd. - Environmental clearance regarding.**

Sr,

This has reference to your communication dated nil on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee, Maharashtra in its 34<sup>th</sup> meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 29<sup>th</sup> meeting held on 22<sup>nd</sup> October, 2010.

2. It is noted that the proposal is for grant of Environmental Clearance for Grain-based distillery at MIDC, Paithan, Dist. Aurangabad by M/s. Morya Grain Distilleries Pvt. Ltd. The project considered by SEAC under Category 'B2' of EIA Notification 2006, screening category 5(g)

**Project information from submitted & considered documents is summarized as below-**

<b>Name of the Project</b>	:	Grain-based distillery at MIDC, Paithan, Dist. Aurangabad
<b>Project Proponent</b>	:	M/s. Morya Grain Distilleries Pvt. Ltd.
<b>Location of the project</b>	:	Plot No. A-96, MIDC, Paithan, Dist. Aurangabad
<b>Land</b>	:	10.9 hectares
<b>Estimated cost of the project</b>	:	₹ 39.4 Cr.

**Production Capacity:**

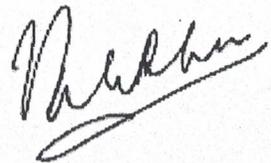
- Rectified spirit / Extra Neutral Alcohol : 720 KL/M
- Fusel oil : 3 KL/M
- DDGS(Distillers Dried Grain Solids) : 660 MT

**Boiler capacity:** 10 TPH & 3.5 TPH.

**Coal / Brickets:** 45 MT/Day

**Raw material requirement (MT/M):**

- Grains (Jowar, Maize) : 2000
- Liquefying Enzymes : 1
- Saccharifying enzymes : 1



- Urea : 1.5
- De-foaming oil : 0.75
- Yeast : 1.5

**Water Requirement: Source: MIDC**

Sr. No.		Fresh	Recycled	Total
1	Process	215	57	272
2	Cooling water	140	200	340
3	DM Water	113	--	113
4	Domestic	32	--	32
5	Green belt	--	138	138
	<b>Total</b>	<b>500</b>	<b>395</b>	<b>895</b>

Effluent generation: 422 CMD, which shall be treated in a Effluent Treatment Plant (ETP)

Capacity of ETP: 450 CMD

**ETP unit details:**

Sr. No.	Unit Name	QTY	Volume (m3)	MOC	Retention time
1	Equalization Tank	1	Approx. 211 m3	RCC M20	12 hrs
2	Extended Aeration Tank	1	Approx. 422 m3	RCC M20	24 hrs
3	Secondary Clarifier	1	Approx. 127 m3	RCC M20	7
4	SDB	8	Approx. 200 m2	Brick Masonry	
5	Ozonator	1		Brick Masonry	
6	Filterate sump	1		Brick Masonry	

**Solid waste Management:**

Sr. No	Source	Source Qty(TPM)	Form (Sludge/Dry/Slurry etc.)	Composition
1	Raw water treatment plant	Nil	NA	NA
2	ETP	10	Dry sludge	90% moisture 10% solids
3	Process	660	Slurry	NA
4	Spent Catalyst	NA	NA	NA
5	Oily Sludge	Nil	NA	NA
6	Others like Battery waste, e waste etc	10 TPD (Fly/Bottom Ash)	solid	---

**Disposal:**

- DDGS (Distillers Dried Grain Solubles) will be recovered as by-product, has high protein content, & sold as animal feed. This results in no effluent from spent wash.
- ETP Sludge will be used as manure/ composting
- Fly ash will be used for land filling/ brick making. Fly ash utilization as per Fly ash Notification no. SO763(E) dated 14.09.1999 (amended) and as per direction of MPCB.
- There will be no Hazardous Waste generation from process.

*[Handwritten Signature]*

- Facilities for storage coal shall be
  1. Clearly demarcated.
  2. Provided with sprinkles & dust control equipment.
  3. Properly fenced/ dyked, bunded.
  4. Workers working on sludge handling/disposal should be provided with proper personal protective equipment.

Green belt area: 7 acres

### Environment Management Plan:

#### Construction Phase :

- **Site Preparation** : As the land is level, and within existing plant premises, land development is restricted to excavation of building foundations. The excavated material will be stored properly to control dust nuisance in dry weather. Excavated material and other rubble (demolition debris etc.) will be disposed off in an environmentally sound manner.
- **Sanitation** : Local labor will be employed for construction. Essential services such as water supply, toilets will be provided for the site workers. Adequate drinking water supply will be provided for onsite workers. Toilet blocks for workers will be connected to septic tank / soak pit.
- **Noise** : The impact of noise during the construction stage would be of a localized, and of a temporary nature. Barricades by way of tin sheets shall be provided all around construction site/plot boundary to prevent noise / dust pollution.

#### Operation Phase :

- **Air Environment** :
  1. There would be stacks for 2 boilers (10 & 3.5 TPH capacities).
  2. Air pollution control systems to be provided include Multi-Cyclone & Bag Filter.
  3. Storage tanks would be provided with vent condensers to reduce VOC emissions.
  4. Regular our monitoring (stack & ambient) will be carried out through MoEF Accredited laboratories.
- **Noise Environment** :
  1. All pumps & rotating machineries will be properly maintained & regularly oiled.
  2. Workers working on machines will be provided with Ear Muffs/ Ear plugs
- **Water Environment** :
  1. Total quantity of effluent (trade & sewage) generated would be 422 CMD. ETP of capacity 450 CMD would be installed for effluent treatment.
  2. The ETP to be provided will be having tertiary treatment to enable recycle/ reuse of 257 cmd for cooling & process use & 138 cmd for Gardening.
  3. There will be ZERO discharge outside plot premises.
  4. Following measures are proposed to ensure proper functioning of ETP :
    - Third party testing through MoEF accredited Agencies will be carried out.
    - Daily monitoring of influent and effluent of wastewater treatment plant will be carried out for pH, TSS, COD and Oil & Grease in in-house laboratory to be set-up in ETP/company premises.
    - Complete evaluation of the performance of each unit of the effluent treatment plant will be undertaken periodically.

**Environmental Management Plan:** Total capital cost for EMP shall be ₹ 1.525 lakhs and O & M for EMP shall be ₹ 29.5 lakhs.

*Rabindra*

	Capital cost	O&M cost	Remarks
ETP	1.2 Cr.	10 lacs	
Green Belt	10 lakhs	1 lakhs	
Air pollution control Equipment	7.5 lakhs	1 lakhs	Cyclone & Bag filters.
Waste Management	--	10 lakhs	
Environmental Monitoring	--	7.5 lakhs	
Socio-economic upliftment	15 lakhs/Annum	--	Special focus on education & providing sanitary facilities in nearby villages.
<b>Total</b>	<b>1.525 Cr.</b>	<b>29.5 lakhs</b>	

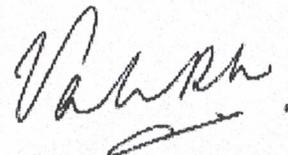
3. The proposal has been considered by SEIAA in its 29<sup>th</sup> meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

- (i) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site. MPCB should verify SO<sub>2</sub> emissions modeling submitted by project proponent as recommended by SEAC.
- (ii) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
- (iii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (iv) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (v) Regular monitoring of the air quality, including SPM & SO<sub>2</sub> levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (vi) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (vii) Arrangement shall be made that waste water and storm water do not get mixed.
- (viii) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (ix) Leg of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (x) The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xi) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

*Vandana*

- (vi) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (xiii) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xiv) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xv) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xvi) The company shall undertake following Waste Minimization Measures :
- Metering of quantities of active ingredients to minimize waste.
  - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
  - Maximizing Recoveries.
  - Use of automated material transfer system to minimize spillage.
  - Use of "Closed Feed" system into batch reactors.
- (xvii) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xviii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xix) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xx) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxi) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
- (xxii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://envis.maharashtra.gov.in>
- (xxiii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
- (xxiv) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xxv) 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, SO<sub>2</sub>, NO<sub>x</sub> (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.

- (xxvi) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC 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 the SPCB.
- (xxvii) The environmental statement for each financial year ending 31<sup>st</sup> 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 respective Regional Offices of MoEF by e-mail.
- (xxviii) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.
4. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.
6. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
1. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
2. Any appeal against this environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.



(Valsa R Nair Singh)  
Secretary, Environment  
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502, Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.
2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerala.

3. The Secretary, Energy department, Govt. of Maharashtra, Mantralaya, Mumbai - 400032., Maharashtra
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Aurangabad.
7. Collector, Aurangabad.
8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Director(TC-1), Dy. Secretary(TC-2),Scientist-1,Environment department
10. Select file (TC-3).