

**Government of Maharashtra**

**File No. SEAC-2011CR.694/T.C.2**  
Environment department  
Room No. 217, 2<sup>nd</sup> floor,  
Mantralaya Annexe,  
Mumbai- 400 032.  
Dated: 27<sup>th</sup> December, 2011

To,  
M/s. Mazda Colour Limited  
N.K Meheta International House,  
178, Backbay Reclamation,  
Bahubali Chinai Marg, Mumbai – 400 020  
Tel. No. : 022 – 6145 7000/2283 8293

**Sub: Mazda Colour Limited Proposed factory at Plot No. 121/1, MIDC Roha, Dist. Raigad - Environmental Clearance Regarding.**

Sir,

This has reference to your communication 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 44<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 41<sup>st</sup> Meeting held on 23<sup>rd</sup> / 24<sup>th</sup> September, 2011

2. It is noted that the proposal is for grant of Environmental Clearance for Mazda Colour Limited Proposed factory at Plot No. 121/1, MIDC Roha, Dist. Raigad. SEAC considered the project under screening category is 5(f) as per EIA Notification 2006.

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

<b>Name of the Project</b>	:	Proposal for Production of PHTHALOCYANINE PIGMENTS Capacity : 2225 MT/Month in 3 phases.
<b>Type of Project</b>	:	5 (f) - Bulk drugs and intermediates
<b>Project Proponent</b>	:	M/s. Mazda Colour Limited
<b>Location of the project</b>	:	Plot no. 121/1, MIDC Roha.
<b>Land</b>	:	Total area of plot : 33,970 sq. m.
<b>Built up area</b>	:	Total built up area : 19,000 sq. m.
<b>Estimated cost of the project</b>	:	Rs. 115 Cr

<b>Stages of Production</b>	<b>Phase I</b>	<b>Phase II</b>	<b>Phase III</b>	<b>Total</b>
a) Installed capacity (mt /m)	885	775	565	2225



Power requirements (kw/day)	30500	29000	29500	89000
Water requirement(m <sup>3</sup> /day)	1175	1145	1100	3420

**Production capacity :**

**MAIN PRODUCTS :**

Sr. No.	Products	Phase-I MT/M	Phase-II MT/M	Phase-III MT/M
1	Mazcol Crude Blue (Copper Phthalocyanine)	500	500	NIL
2	Mazcol Blue 15.0 (Alpha Blue)	125	125	NIL
3	Mazcol Blue 15.3 (Beta Blue)	100	100	100
4	Mazcol Green 706	NIL	NIL	250
5	Mazcol Blue and Green colorant	50	50	100
6	Mazcol RMB 650	60	NIL	65
7	Mazcol MCF 5000	50	NIL	50

**2.2. BY-PRODUCTS**

Sr. No.	By-products	Phase-I MT/M	Phase-II MT/M	Phase-III MT/M
1	Dilute Sulphuric acid	5	5	NIL
2	Dilute Hydrochloric acid	-	-	10
3	Aluminum Chloride solution.	-	-	80

**Water Requirement: Source: MIDC**

Sr. No.	Application	Total Water requirement m <sup>3</sup> /day	Water loss due to evaporation m <sup>3</sup> /day	Effluent generated m <sup>3</sup> /day
1	Domestic	30	5	25
2	Industrial process.	3210	75	3135
3	Ind. Cooling & Boilers	150	150	0
4	Gardening	30	30	-
	Total	3420 m <sup>3</sup> /day	260	3160 m <sup>3</sup> /day

The effluent generated from various processes will be collected and treated in Effluent Treatment Plant. The treatment plant will be modular and in 3 streams treating 1000 cum/day, per phase

**Solid waste Management:**

Sr. No.	Type of waste	Quantity	Mode of Disposal
1	Hazardous wastes:		Handed over to CHWTSDF
	From Process	50 MT/Y	
	From ETP	1750 MT/Y	



2	Non hazardous waste : Cleaned/Decontaminated Barrels/HDPE Bags and Garbage	50 MT/Y	Treated by Vermiculture and handed over to recycler.
3	Biological sludge		
	Sludge from Secondary Clarifier	36 MT/Y	Used as manure in Garden.

**Green Belt Development:** The total green area proposed is: 10,000m<sup>2</sup>

**Rain Water Harvesting :** Rain water from building terraces, other open areas etc. will be collected in a pit. This water will be directed to the borewell within the premises.

**Air Pollution Control System:**

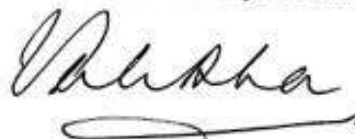
- **Scrubbers:** To reduce the effect of the toxic gases like Ammonia, HCL etc. suitable scrubbers will be provided wherein the toxic gases will be scrubbed effectively and the waste water generated after scrubbing will be treated and reused. Emission from production will be basically Ammonia and HCl gases which are readily soluble in water and will be scrubbed with abundant quantity of water and hence no traces will be left in the exhaust.
- **Stacks :** The Boilers and thermopacks will be provided chimneys of considerable heights so that the gases can escape at higher altitudes thus preventing them from mixing at the ground level concentration. The stacks attached to the ammonia and HCl scrubbers will also be provided considerable heights to prevent any contamination of the ambient air.
- **Use of Eco-friendly Fuel:** Environment friendly fuel will be used in order to reduce the emission of toxic gases at the source itself.
- **Particulate emission control:** In order to curb the particulate emissions, suitable bag filters will be provided. Care will be taken to enclose the area involving activities such as grinding, drying, powdering, feeding and packing of the finished products, loading, unloading of the raw and finished materials etc. which involves emission of dust and particulate matter.
- **Development of Green belt:** Development of green belt, planting of trees, bushes in and around the factory premises will help in reducing the ambient temperatures through evapotranspiration thus improving the ambient air quality.

3. The proposal has been considered by SEIAA in its 41<sup>st</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) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
- (ii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (iii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iv) 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.
- (v) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (vi) Proper House keeping programmes shall be implemented.
- (vii) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.



- (viii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (ix) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (x) Arrangement shall be made that effluent and storm water does not get mixed.
- (xi) 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.
- (xii) Leq 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.
- (xiii) 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.
- (xiv) 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.
- (xv) 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.
- (xvi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xviii) 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.
- (xix) 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.
- (xx) 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.
- (xxi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxiii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiv) 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
- (xxv) 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



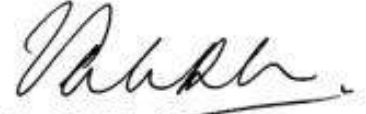


the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://envis.maharashtra.gov.in>

- (xxvi) 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.
  - (xxvii) 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.
  - (xxviii) 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.
  - (xxix) 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.
  - (xxx) 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.
  - (xxxi) 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.
  7. 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.



8. Any appeal against this environmental clearance shall lie with the National Green Tribunal , Van Vigyan Bhawan, Sec- 5, R.K. Puram, New Dehli – 110 022, if preferred, within 30 days as prescribed under Section 35 of the National Green Tribunal Act, 2010.



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

**Copy to:**

1. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEIAA, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.
2. Shri. Dr. S. Devotta, Chairman, SEAC, T2/302 Sky City, Vanagaram –Ambattur Road, Chennai – 600 095
3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. 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).
5. Regional Office, MPCB, Raigad.
6. Collector, Raigad.
7. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
8. Director (TC-1), Dy. Secretary (TC-2), Scientist-1, Environment department.
9. Select file (TC-3)