

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

Environmental Planning Coordination Organization (EPCO)
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Bhopal-4620 16

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No: 7453 SEIAA/2015 Date: 9.11.15

To, Shri Rakesh Jayantibhai Patel, M/s Meghnagar Organics Pvt. Ltd., Gandhi Pole, Post-Ranoli, Vadodara, Gujarat-391350

Sub: Case No. 1828/2014 Prior Environmental clearance for Proposed Manufacture of organic Pigments production at plot no. – 184/C Tehsil- Meghnagar & District- Jhabua (MP) Plot area – 5000 sq.m. Production Capacity 155MT/month; By product – 2678 MT/month by Shri Rakesh Jayantibhai Patel, M/s Meghnagar Organics Pvt. Ltd., Gandhi Pole, Post-Ranoli, Vadodara, Gujarat-391350 Email: meghnagarorganics@ gmail.com ENV consultant – M/s SAN Envirotech Pvt. Ltd.

Ref: Your application dtd. 23.09.2014 received in SEIAA office 26.09.2014

With reference to above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt. and additional clarifications furnished in response observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

(1) The project is comprise of production Oorganic Pigments at Tehsil-Meghnagar & District Jhabua (MP). Total 04 products and 05 by-products are proposed in this project. The total production capacity of the product & byproduct is as follows:-

Product Name	Production MT/ MONTH
A Dismont	
Red - 3 / 4 / 8 / 12 / 48.2 / 49.1 / 53.1 / 57.1 / 63.1 / 81/ 81.1 / 112 /772 / 777	25 MT/Month
Yellow-1/2/3/10-G/12/13/34/74/79/83	
Orange - 5 / 13	
CPC Alpha Blue - 15 / 15.1 / 15.3	50 MT/Month
Copper Phthalocyanine Crude (CPC - Blue)	50 MT/Month
	Product Name Azo Pigment Red - 3 / 4 / 8 / 12 / 48.2 / 49.1 / 53.1 / 57.1 / 63.1 / 81/ 81.1 / 112 /772 / 777 Yellow-1/2/ 3 / 10-G / 12 / 13 / 34/ 74 / 79 / 83 Orange - 5 / 13 CPC Alpha Blue - 15 / 15.1 / 15.3 Copper Phthalocyanine Crude (CPC - Blue)

(Ajatshatru Shrivastava) Member Secretary

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	CPC Green 7	30 MT/Month
		155 MT/Month
_	TOTAL By product Name	Production MT/ MONTH
_	Dilute Sulphuric acid (20-22%)	635 MT/Month
1	Ammonium carbonate solution (11-14%)	444.2 MT/Month
2	Dilute hydrochloric acid (22-25%)	216.3 MT/Month
2. 3. 4. 5.	Sodium hypochlorite (3-6%)	221.5 MT/Month
4.	Aluminum chloride (8-10%)	1161 MT/Month
5.	TOTAL	2,678 MT/Month

- (2) The project is Synthetic Organic Chemicals industry (Organic Pigments production) hence covered under 5 (f) category B of the Schedule of EIA Notification issued by the Ministry of Environment & Forests vice S.O.1533 (E) dtd.14.09.06 & its amendments.
- (3) There is no National park / Sanctuaries, Eco-sensitive areas, critically polluted areas and inter-State boundaries (EE, PWD letter dtd. 28.08.14) within 05 km around the proposed site.
- (4) The total project area is 5000 sq.m for which PP has executed registered amended lease deed dated 26.07.2014 between Managing Director MPAKVN, (Indore) Ltd. and M/s Meghnagar Organics Pvt. Ltd through Director Shri Rakesh Jayantibhai Patel, for the period of 30 years (w.e.f. 26.07.2014 to 25.07.2044)...
- (5) The project is located in notified Meghnagar Industrial Growth Centre District Jhabua approved by MPAKVN (Indore) Ltd. hence as per Gol, MoEF OM dtd 10.12.14, Public Hearing is exempted.
- (6) PP has proposed that the raw materials and finished goods will be transported through tankers and trucks. The unit will develop RCC road within the premises. Raw materials will be transported by road ways (liquid in tanker, drums & solid materials in bags) by approx. 5 trucks & finished Goods approximately by 10 trucks/ tankers per day. Hence a total movement of approximately 15 vehicles per day will be used for the above purposes.
- (7) The total water requirement is 322 KLD (Fresh water 74.4 KLD + Recycled 247.8 KLD). The source of water for the project is MPAKVN.(letter dtd.02.09.14 for supply of 35000 lit/day water).
- (8) The average waste water generation is 258.3 KLD (Domestic- 10 KLD; industrial effluent generation is 237.3 KL/day (Washing effluent: 48.5 KLD & Concentrated effluent: 188.8 KLD. PP has proposed ETP for primary treatment and Tertiary treatment. Treated effluent will be subjected to RO system followed by Multi effective evaporator to achieve zero liquid discharge.
- (9) PP has proposed non hazardous waste generated from the process will be handed over to Authorized parties & sold to authorized vendor. Hazardous waste generated from process will be sent to TSDF site for land filling. PP has obtained membership (dtd. 20.05.15) of TSDF, Pithampur for disposal of hazardous waste.

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- (10) The air emission shall include NOx, SO2, PM10, PM2.5. & CO. For air pollution control PP has proposed to provide Stack of adequate height as per CPCB norms. Emission control systems (scrubbers, high efficient dust collector, cycle separator, solvent in close loop system, leak detection and repair system). To control the fugitive emission proponent practices regular maintenance of plant and similar measures will be practiced for proposed project
- (11) PP has included disaster management plan as a part of EIA.
- (12) PP has proposed rain water harvesting system for recharge of ground water along with collection of harvested water in underground tank. The stored rainwater will be utilized for various purposes hence reducing required quantity of water.
- (13) PP has proposed greenbelt development in an area of 1510 sq.m (30%) of total area) with suitable plant species within the premises and also proposed 150 trees & shrubs will be planted in nearby areas.
- (14) Under CSR activities PP has proposed medical camp for vaccination of children, plantation all along the road side in nearby villages and development of garden/greenbelt on government barren land/common plots, organize education aids & scholarship to poor students for higher education, adequate and reasonable contribution for the local religious and social programs in the nearby villages.

Based on the information submitted at Para i to xiv above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 250th meeting held on 14.10.2015 and decided to accept the recommendations of 221st SEAC meeting held on dtd 27.08.15.

Hence, Prior Environmental Clearance is accorded under the provisions of ElA notification dtd. 14th September 2006 to the proposed Manufacture of organic Pigments production at plot no. - 184/C Tehsil- Meghnagar & District- Jhabua (MP) Plot area -5000 sq.m. Production Capacity 155MT/month; By product - 2678 MT/month by Shri Rakesh Jayantibhai Patel, M/s Meghnagar Organics Pvt. Ltd., Gandhi Pole, Post-Ranoli, Vadodara, Gujarat-391350 subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

Specific Conditions as recommended by SEIAA

- Ensure to provide fully covered storage facility at the factory site for (1) hazardous and inflammable substances.
- Ensure the transportation of raw / finished material only by covered (2) vehicles.
- Ensure the storage and handling of all the chemicals in a proper and safe (3)manner to avoid any spillages and also to prevent runoff contamination in monsoon.

Ensure collection & treatment of spillages, if any. (4)

> (Ajatshatru Shrivastava) Member Secretary

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- (5) All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of hazardous chemicals.
- (6) All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. Close handling system for chemicals shall be provided
- (7) The entire process area should be provided with doubled liner HDEP geo membrane system of thickness 2.5 mm and double leachate collection system for detection of any leachate.
- (8) The storage area shall be designed in such a way that the floor level is at least 450 mm above the maximum flood level with 2.5 mm thickness of HDPE geo membrane and two layers of RCC in storage as proposed.
- (9) The entire demand of fresh water should be met from AKVN, supply and there should be no extraction of ground water.
- (10) PP should maintain zero discharge from the Industry.
- (11) Industrial effluent generation shall be completely evaporated with help of Evaporator so as to achieve zero discharge.
- (12) There shall be no industrial effluent discharge from the unit.
- (13) The performance of air pollution control system should be regularly monitored and maintained. Regular stack monitoring & ambient air quality monitoring should be carried out as per the guidelines/norms of MPPCB/CPCB.
- (14) PP should obtain Authorization from the competent authority (TSDF, Pithampur) for disposal of hazardous wastes.
- (15) PP should obtain authorization from MPPCB for collection / treatment / storage / disposal of hazardous wastes.
- (16) PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.
- (17) PP should ensure disposal of hazardous waste regularly through sale or in TSDF site and there should be no dumping of these materials in the premises/outside.
- (18) PP should provide RCC layer and double layered HDPE lining for primary and secondary leachate collection.
- (19) Discarded bags/liners/containers shall be either reused or sold to the registered recyclers.
- (20) Used oil shall be either reused in lubrication of the plant machineries or sold to the registered recyclers
- (21) PP should obtain approval of the Competent Authority for Health and safety, Onsite disaster management plan, Risk management plan before commencing of the project.

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- (22) PP should obtain approval of the Competent Authority for Firefighting before commencing of the project.
- (23) PP should ensure plantation as proposed in 1510 sq.m completely in first year.
- (24) Plantation in the project area of indigenous local varieties like Neem, Peepal, Kadam, Kachnaar etc.
- (25) Every effort should be made to protect the existing trees on the plot.
- (26) PP should ensure the implementation of CSR activities to the extent on regular basis in consultation with the Gram Panchayat of the receptive village.
- (27) In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
- (28) Total quantity of runoff water generated and green belt area should be collected in underground tank & used for process in plant to minimize fresh water requirement.

B. Specific Conditions as recommended by SEAC

- (29) The entire process area should be provided with doubled liner HDPE geo membrane
- (30) At least eight numbers of Peizo-metric monitoring points should be provided all around the plant premises and their monitoring be done bi-monthly.
- (31) VOC'c detectors should be provided in all storage areas.
- (32) It should be zero discharge unit and no waste water is allowed to discharge outside of the plant premises.
- (33) MEE sludge and other hazardous wastes should be sent to CTSDF, Pithampur, Dhar.
- (34) At least 2.5 cm of first rain water should be passed through the ETP.
- (35) No ground water recharge pits be provided in the plant premises.
- (36) Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
- (37) Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
- (38) The exhaust of the vehicles used for the purpose of handling, lifting and transportation within the factory such as forklifts or trucks should be fitted with the approved type of spark arrester.
- (39) In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the

(Ajatshatru Shrivastava) Member Secretary

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- characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
- (40) Dyke wall should be provided for storage of liquid materials. The dyke wall should be off 1.5 times higher than the quantity of stored materials.
- (41) Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
- (42) The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
- (43) Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
- (44) Recent MSDS of all the chemicals be displayed at appropriate places.
- (45) Two on-line monitoring systems for ambient air quality should be provided.

Standard Conditions - Encl: Annex-I

Endt No. SEIAA

Dated 9-11-15

Ajatshatru Shrivastava) Member Secretary

 Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.

- Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- The Collector, Distt- Jhabua -M.P.
- (5). Managing Director, M.P. Audyogik Kendra Vikas Nigam (Indore) Limited, Free Press House First Floor, 3/54 Press Complex, Agra– Mumbai Highway, Indore (M.P).
- Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.

(8). Guard file.

Encl: Standard Conditions (Annex-I)

(Ajatshatru Shrivastava) Member Secretary

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Annex-I

Standard Conditions related to item 5 (f) of the schedule of EIA notification,

(Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)

- The company shall install an effluent treatment plant to treat the effluent generated 1. due to proposed activity. The treated water shall be utilized within the premises to achieve zero discharge.
- The hazardous wastes and Incineration from the process and treatment should be 2. disposed off as per Hazardous Wastes (Management & Handling) Rules, 1989 and subsequent amendments.
- The project authority shall obtain the membership of CTSDF (Common Treatment 3. Storage & Disposal Facility) for disposal of solid and hazardous waste (if applicable) and copy of the same shall be submitted to the Regional Office of MoEF, Gol at Bhopal. The company shall maintain the valid membership of CTSDF.
- The process emissions, VOCs and particulate matter form various units shall 4. conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission level shall go beyond the stipulated standards.
- Fugitive emissions in the work zone environment, product, raw materials storage 5. area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by MPPCB.
- The company shall carry out the HAZOP study and the report shall be submitted to 6. Regional Office of MoEF, Gol at Bhopal.
- The company shall comply with the CREP guidelines prepared by MPPCB for Bulk 7. Drug Plants.
- The company shall develop greenbelt in the project area as per the guidelines of 8. CPCB to mitigate the effect of fugitive emission.
- During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixings of accidental spillages with domestic waste and storm drains.

(Dr R P Singh) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge

(Dr Sadhna Tiwari)

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Officer-in-Charge

5 (f) Synthetic Organic Chemicals Industry (dyoe-5 dyo intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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- 10. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 11. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- 12. The DG set will be provided with acoustic arrangements to attenuate the noise pollution. The emission from DG set shall be dispersed as per the CPCB/MPPCB standards.
- Industry should get the Emergency Disaster Management Plan approved by DTHS and should also comply with the provisions made in Public Liability Insurance Act, 1991.
- 14. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2008.
- 15. All activities / mitigative measures proposed by PP in Environmental Impact Assessment must be ensured.
- 16. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
- 17. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
- 18. 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. No overloading of raw material for transportation shall be committed.
- 19. The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- 20. 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.
- 21. 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 Regional office of the Ministry of Environment and Forest, Bhopal and MP PCB.

Commitment towards CSR have to be followed strictly.

(Dr R P Singh) Officer-In-Charge

(Dr Vinita Vipat)

Officer-In-Charge

(Dr Sadhna Tiwari) Officer-in-Charge

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5 (f) Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates.

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- 23. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained (as and when applicable), by the project proponent from the respective competent authorities.
- The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, should be given to Regional Office, MoEF, Gol, Bhopal and MP PCB.
- 25. 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 on 1st June and 1st December of each calendar year.
- A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in addition to the concerned Government Departments / organization responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
- The project proponent has to strictly follow directions/guideline issued by the MoEF. Gol, CPCB and other Govt. agencies from time to time.
- 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 and MP PCB.
- The company shall make the arrangement for protection of possible fire hazards 29. during manufacturing process in material handling.
- 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

(Dr R'P'Singh)

Officer-in-Charge

(0)

(Dr Vinita Vinat)

Officer-in-Charge

(Dr Sadhna Tiwari)

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Officer-in-Charge

5 (f) Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations. synthetic rubbers, basic organic chemicals, other synthetic organic chemicals and chemical intermediates

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Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

- 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.
- 32. 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.
- The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 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.
- 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.
- The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
- 37. 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, NOx (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.
- 38. 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.

(Dr'R P Singh) Officer-in-Charge (Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 4 of 4

5 (f) Synthetic Organic Chemicals Industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates.

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