

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

Research and Development Wing
Madhya Pradesh Pollution Control Board
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No: 1209/ EPCO-SEIAA/12
Date: 03.03.2012

To,
Mr. Rajendra Joshi
Project Manager (Dewas Tractor Project)
M/s John Deere India Pvt. Ltd.
B-39, Shalimar Township
Niranjanpur, A.B. Road
Indore, M. P.

Phone No – 09764445210
E-mail – joshirajendra@johndeere.com

Sub: - Case No. 642/2011, Prior Environmental Clearance for Building and construction project built up area 34179.65 sq m village Khataba, Post Jamgod, District Dewas, M. P. by M/S John Deere India Pvt. Ltd. for Tractor Plant, Capacity – Agricultural Equipments; Agricultural Tractors(Nos): 50,000 per year, Drive trains (Nos)7,000 per year, AB Road, Indore, M. P

This has reference to your application No. Nil, dated 22.08.2011, and subsequent letter 12.09.2011 seeking Prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., form I, form IA, Conceptual Plan, drawings and the additional clarifications furnished in response to the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

1. It is, inter alia, noted that the above Building and Construction (Dewas Tractor) project is proposed on an area of 38 ha at survey no.499, 501, 502, 503/1, 503/2, 504, 505/1, 505/2, 505/3, 505/4, 505/5, 506, 507, 508, 509/2, 511, 512, 513, 514, 515, 516, 517, 518, 520/1, 520/2, 521, 522, 523, 523/972, 524, 525/1, 525/2, 526/1, 526/2, 527, 528/1, 528/2, 528/3, 528/4, 562, 563, 509/1, 510, 519. and has a built up area of 34179.65 Sq.m (The NOC issued by the Town & Country Planning Deptt. (vide letter no. 213/दे.व्यप.-118/नग्नानि/2011 Dewas dtd.06.02.2012) was examined and found that NOC has been accorded for the total built up area of 34179.65 sq m. It lies at Latitude 22° 57' 53.1" N and Longitude 76° 06' 58.4" E.

The proposed total water requirement is 400 KLD which will be sourced from authorized surface water suppliers WELSPUN and 280 KLD recycled water used for flushing and gardening purpose. A sewage treatment plant of capacity 80 KLD and effluent treatment plant of capacity 210 KLD will be provided by the project proponent at site to treat the waste water generated. The total power requirement for the proposed project will be 500 KVA during construction phase.

2. The Expert Committee after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have recommended grant of Prior Environmental Clearance to this project, as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments. State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 83rd meeting held on 08.02.2012 and decided to accept the recommendations of SEAC 85th meeting dtd. 31.12.2011 and 83rd meeting dtd. 08.11.2011.

Hence Prior Environmental Clearance is accorded for building and construction project built up area of 34,179.65 sq m only as per NOC given by T & C P in an area of 38.00 ha as indicated in the layout map approved by Town and Country Planning Deptt. (vide letter no. 213/दे.व्यप.-118/नग्रानि/2011 Dewas dtd. 06.02.2012) at village Khataba, Post Jamgod, District Dewas, M. P. by M/S John Deere India Pvt. Ltd under the provision of EIA notification dated September 14th 2006 subject to the compliance of the following specific and general conditions:-

3. PART A- SPECIFIC CONDITIONS

I. Construction Phase

- i. Consent for Establishment shall be obtained from Madhya Pradesh Pollution Control Board under the Air and Water Act and a copy shall be submitted to the competent authority before start of any construction work at the site.
- ii. All sanitary fittings, pipelines etc. used in the project shall be of premium quality conforming the norms to avoid wastage of water through leakages.
- iii. A First Aid Room will be provided in the project both during construction and operation phase of the project.
- iv. Proponent shall obtain permission from the competent authority for construction of approach road.
- v. The construction site shall be provided with adequately barricades of at least 3 m height on its periphery with adequate signage.
- vi. Structural design aspects in accordance to the seismic zone shall be strictly adhered to.
- vii. The construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages.
- viii. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.
- ix. Necessary arrangement shall be made for the disposal of treated waste water during monsoon.
- x. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- xi. Disposal of waste material during construction phase should not create any adverse effect on the neighboring communities and should be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

- xii. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
- xiii. Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Madhya Pradesh Pollution Control Board.
- xiv. The diesel generator sets to be used during construction phase, should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- xv. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- xvi. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate, should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- xvii. The transportation of the materials shall be limited to day hours time only.
- xviii. Measures shall be taken for control of noise levels below 85dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs and health records of the workers shall be mentained.
- xix. Ambient noise levels should conform to residential standards both during day and night and incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPPCB.
- xx. Fly ash should be used as building material in the construction as per the provisions of Fly ash Notification of September, 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations).
- xxi. As far as possible ready mixed concrete must be used in construction work.
- xxii. Water demand during construction should be reduced as much as possible by use of pre-mixed concrete curing agents, Plasticizers and other best practices.
- xxiii. PP shall use surface water supplied by the municipal corporation in the project as far as possible and no abstraction of ground water shall be done without obtaining the permission from CGWA or Private tanker water suppliers may be asked to supply water during construction phase.
- xxiv. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- xxv. Duel pipe line has to be laid down for flushing, horticulture and other points where recycled water is proposed to be used.
- xxvi. A STP of 80 KLD capacity shall be constructed at site as proposed. The proponent shall also ensure smooth and uninterrupted operation and maintenance of STP and the treated effluent has to be reused within the premises.

- xxvii. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- xxviii. The applicant shall install the electric utilities / devise, which are energy efficient and meeting with the Bureau of Energy Efficiency norms, wherever applicable.
- xxix. Ozone Depleting Substances (Regulation & Control) Rules shall be followed while designing the air conditioning system of the project.
- xxx. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- xxxi. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction work has been started without obtaining environmental clearance.

II Operation Phase

- i. PP shall promote schemes for conservation of water in such a way that the fresh water demand shall not go beyond 400 KLD (Process-305 KLD and domestic – 96 KLD). Rest of water requirement shall be met from recycling of treated waste water.
- ii. PP shall ensure that no disturbance is caused to the residents and school during construction and operation of the industry.
- iii. Environment Management Cell shall be formed, which will supervise and monitor the Environment related aspects of the project during construction and operational phases in addition to observance of Madhya Pradesh Building and other Construction Workers Rules.
- iv. The Proponent shall install and operate effluent treatment plant (ETP) and sewage treatment plant (STP) as per the details submitted to the SEAC. The treated effluent / sewage shall be reused / recycled to the extent possible. Discharge of the treated effluent / sewage from the STP shall conform to the norms specified by M. P. Pollution Control Board after obtaining necessary permission.
- v. Best available technology (BAT) such as Ultra violet radiation shall be used for disinfection of sewage before reuse / recycle / discharge.
- vi. The green belt along the periphery of the plot shall be provided as per the plan submitted. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety .
- vii. Provision for plantation has to be made as per Madhya Pradesh Bhumi Vikas Niyam, 1984 subject to a minimum of 33% of the total plot area.
- viii. The energy audit shall be conducted at regular interval for the project and the recommendations of the Audit report shall be implemented with spirit.
- ix. Necessary auto glow signage at all appropriate places shall be provided to guide the people towards exits and assembly points during the unforeseen emergency and eventuality conditions.
- x. Training to the staff for the first aid and fire fighting along with regular mock drill shall be made an integral part of the disaster management plan of the project.
- xi. All the statutory clearances such as the approvals for storage of diesel, Fire Department, if applicable, shall be obtained by the applicants from the competent authorities.

- xii. Environment Management Cell shall be formed during operation phase which will supervised and monitor the environment related aspects of the project.
- xiii. Diesel generator sets proposed as back up power shall be of enclosed type and conform to prescribed standards under EPA rules. All exhaust shall be 5.5 m above roof top. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
- xiv. For the disposal of used diesel clearance should be taken from the competent authority as per the rules under EP Act.
- xv. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the project area shall be restricted to the permissible levels to comply with the prevalent regulations.
- xvi. No water logging should take place at any point during construction and operation phase.
- xvii. Rain water harvesting for surface run-off, as per the plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.
- xviii. A report on the energy conservation measures conforming to energy conservation norms issued by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R& U Factors etc. and submitted to the competent authority in three months time.
- xix. The Project Proponent shall explore the possibility of using solar energy and it shall be incorporated for illumination of common areas, lightning of internal roads and passages in addition to solar water heating, if any.

PART B- GENERAL CONDITIONS

- i. Project proponent has to be strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
- ii. Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be remove after the completion of the project.
- iii. Six monthly monitoring reports should be submitted to the State Level Environment Impact Assessment Authority and Regional Office of Ministry of Environment and Forest, Govt.of India, Bhopal.
- iv. Officials from the Regional Office of MoEF, Bhopal who would be monitoring the compliance of the stipulated condition should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional office MoEF, Bhopal.
- v. In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA of M.P. or Ministry as the case may be.
- vi. The project authority has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA of M.P. on 1st June and 1st December of each calendar year.

- vii. The project proponent shall inform to the Regional Office, MoEF, GoI, Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
 - viii. 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 located at Bhopal.
 - ix. 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.
 - x. 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 relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
 - xi. 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, GoI, Bhopal.
 - xii. The project proponent has to strictly follow directions/guideline issued by the MoEF, GoI, CPCB and other Govt. agencies from time to time.
 - xiii. All the mitigative measures as proposed in the Environmental Management Plan during operation and monitoring (submitted & approved by SEAC) must be strictly implemented and sustained over the entire life of the project.
4. 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 Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
 5. All other applicable 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, 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 must be obtained.
 6. 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.
 7. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
 8. 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.

9. 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.
10. 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.

Sd/-
(Manohar Dubey)
Member Secretary

Endt No. 1210/ EPCO- SEIAA/12

Dated 03.03.2012

Copy to:-

1. The Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal
2. The Chairman, State Environment Impact Assessment Authority, M. P. Research and Development Wing, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal- 4620 16
3. The Collector, Distt-Dewas
4. The Commissioner, Municipal Corpn., Dewas
5. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
6. The Member Secretary, SEAC, Research and Development Wing, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
7. The Jt. Director, Town & Country Planning, Indore
8. Division Monitoring Cell, MoEF, GOI, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
9. Regional Officer, Regional office of the Ministry of Environment of Forest, Gol Western Region, Kendriya Paryawarn Bhawan, Link Road No. 3, Ravishankar Nagar, Bhopal
10. Guard file.

Sd/-
(Dr. Sadhana Tiwari)
Officer-in-Charge