



Mahindra & Mahindra Ltd., Swaraj Foundry Unit
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala - 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2014/3189 Registered
To

Dated 17/10/14

Sh. Sohan Lal Maine, Vice President,
M/s Mahindra & Mahindra (P) Ltd.,
(Swaraj Division Foundry unit)
Village Majri, Tehsil Kharar, District Mohali

Subject: Environmental Clearance under EIA Notification dated 14.09.2006 for increase in the production capacity of differential, rear cover, gear box, trumpet & other tractor parts from 35,000 TPA to 60,000 TPA in the existing Swaraj Division Foundry unit located in the revenue estate of Village Majri, Tehsil Kharar, District SAS Nagar by M/s Mahindra & Mahindra (P) Ltd.,

This has reference to your application for obtaining environmental clearance for increase in the production capacity of differential, rear cover, gear box, trumpet & other tractor parts from 35,000 TPA to 60,000 TPA in the existing Swaraj Division Foundry unit located in the revenue estate of Village Majri, Tehsil Kharar, District SAS Nagar, Punjab and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, conceptual plan, rapid EIA report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves increase in the production capacity of differential, rear cover, gear box, trumpet & other tractor parts from 35,000 TPA to 60,000 TPA in the existing Swaraj Division Foundry unit located in the revenue estate of Village Majri, Tehsil Kharar, District SAS Nagar. The area of the existing manufacturing unit is 72843.415 sqm and expansion is to be carried out in the existing manufacturing unit. The industry shall use Iron Scrap, Pig Iron and Ferro alloys as raw material for manufacturing of above mentioned

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products. The cost of the expansion plan of the project is Rs.66.74 crores. The total water requirement of the project will be 250 KLD, which will be met from tube well. Out of which, 100 KLD will be used for domestic purpose, 65 KLD will be used in the process and 85 KLD will be used for cooling purpose. About 80 KLD of domestic effluent will be generated, which will be treated in an STP of 100 KLD capacity. The treated wastewater will be discharged on to land for irrigation. Green belt will be developed in an area of 29092.62 sq. m. and the same will be irrigated with treated wastewater

The existing power requirement available is 7308 KW and about 8000 KW additional power required. Total power requirement will be 15308 KW after expansion. 2 No. of D.G sets of 1000 KVA each will be installed as standby arrangement of power supply. No forest land falls in the project site and there is no National Park and Wild life Sanctuary within a radius of 10 Km from the project site. Rs. 20 Lacs will be spent on the following activities to be undertaken under the Corporate Social Responsibility programme:

- (i) Rs. 2 Lacs will be spent for environmental education cum awareness campaign through audio/video in Villages Hoshiarpur, Burona, Tarian, Mainpur and Majri and High schools of these villages once a year.
- (ii) Rs. 2 Lacs will be spent for health check up camps including vision, audiometry, spirometry, respiratory disorders and free medicines whenever required once a year in Villages Hoshiarpur, Burona, Tarian, Mainpur and Majri and will also provide and run a free Dispensary in Village Majri.
- (iii) Rs.3 lacs will be spent on providing of sewing machines, ceiling fans and tricycles to needy poor and handicapped once in five years in Villages Burona, Tarian, Mainpur and Majri
- (iv) Rs. 3 Lacs will be spent for providing purified drinking water and separate toilets in the schools and their upkeep in Villages Hoshiarpur, Burona, Mainpur and Majri.
- (v) Rs. 5 Lacs will be spent for distribution of uniforms, books & bags to students in the school specially from weaker section in Villages Burona, Tarian, Mainpur and Majri. Primary school of Sialba Majri has been adopted and separate toilets for girls have been provided.
- (vi) Rs.5 Lacs will be spent for free medical treatment to very poor patients as recommended by Hospital in Villages Hoshiarpur, Burona, Mainpur and Majri.

The Environment Management Cell will be responsible for implementation of EMP. Rs. 350 Lacs will be incurred on account of capital cost and

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Rs.44 lacs/annum will be incurred as recurring cost for implementation of EMP.

The case was considered by the SEAC in its 50th meeting held on 12.08.2011 and categorized this project as B1 and decided to issue Terms of Reference for preparation of EIA report and EMP. The said TOR were conveyed to the industry for preparation of EIA/EMP and conduct of public hearing as per procedure laid down in Appendix IV of the EIA Notification dated 14.09.2006. Thereafter, the project proponent submitted the final EIA / EMP report alongwith the requisite documents. The case was again considered by the SEAC in its 91st meeting held on 25.01.2014 and observations were conveyed to the project proponent vide letter no. 1764 dated 06.02.2014. Thereafter, the case was again considered by the SEAC in its 94th meeting held on 12.06.2014 the decisions/observations of the SEAC were conveyed to the project proponent and CGWB vide letter no. 2022-23 dated 20.06.2014, respectively. Accordingly, the project proponent submitted reply to the observations of the SEAC.

Lastly, the case was considered by the SEAC in its 101st meeting held on 18.09.2014, wherein, the Committee awarded '**Silver Grading**' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 72nd meeting held on 11.10.2014 and the Authority noted that the case stands recommended by SEAC and the Committee awarded '**Silver Grading**' to the project proposal. Therefore, the Authority decided to grant environmental clearance for increase in the production capacity of rear cover, gear box, trumpet & other tractor parts from 35,000 to 60,000 TPA in existing premises of the industry located in the revenue estate of Village Majri, Tehsil Kharar, Distt. SAS Nagar, subject to the conditions as proposed by the SEAC, in addition to the proposed measures. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to strict compliance of terms and conditions as follows:

Specific Conditions

- (i) The company shall install separate cyclone followed bag filters and fume extraction system etc. to control the particulate emissions below 50 mg/Nm³ as proposed for the induction furnace to be installed.

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- (ii) The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 as amended from time to time should be followed.
- (iii) Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
- (iv) Vehicular pollution due to transportation of raw material and finished product should be controlled. Proper arrangements should also be made to control dust emissions during loading and unloading of the raw material and finished product.
- (v) The net water requirement shall not exceed 250 KLD. No effluent shall be discharged and 'zero' discharge shall be adopted. The domestic effluent will be treated in an STP and used onto land for green area within the premises.
- (vi) The project proponent will construct rainwater harvesting tank for storage of the storm water from areas other than roof top and minimum storage capacity of the tank shall be of 90 percentile of rainfall event. The stored storm water shall be used for fire fighting, irrigating green areas and other such purposes instead of using fresh water as agreed upon by the project proponent during the presentation before Committee on 18.09.2014.
- (vii) Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the groundwater recharging system.
- (viii) The waste sand generated from the process will be reclaimed and a reclamation plant will be set up for the purpose.
- (ix) Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the Punjab Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bangalore, PPCB and CPCB.
- (x) Risk and Disaster Management Plan along with the mitigation measures as proposed shall be implemented.
- (xi) Green belt shall be developed as proposed. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.

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- (xii) All the commitments made to the public during the Public Hearing / Public Consultation meeting should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bangalore.
- (xiii) The project proponent shall spend an amount of Rs.20 Lacs for the activities to be undertaken under the Corporate Social Responsibility programme. This amount will be in addition to the amount to be spent under the provisions of the Companies Act, 2013 and Companies (Corporate social Responsibility Policy) Rules, 2014.
- (xiv) The company should provide housing for construction labour 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 removed after the completion of the project.
- (xv) The project proponent shall adhere to the commitments made in the Environment Management Plan. The Environment Management Cell will be responsible for implementation of EMP. Rs.350 Lacs will be incurred on account of capital cost and Rs.44 lacs/annum will be incurred as recurring cost for implementation of EMP.
- (xvi) Seismic hazard & flood hazard history & management plan and trace element analysis for groundwater shall be submitted to the Ministry's Regional Office at Chandigarh, Punjab Pollution Control Board and CPCB within 3 months of issue of environmental clearance letter.

General Conditions :

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) 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 mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SEIAA/Punjab Pollution Control Board.
- iv) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards
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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 State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.

- v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.
- vi) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.
- vii) 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, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.
- viii) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.
- ix) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- x) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any competent court, to the extent applicable.
- xi) The project proponent shall obtain CLU from the competent authority, if any authority insists.
- xii) The project proponent shall obtain permission from CGWA for abstraction of 250 KLD groundwater.
- xiii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representations, if any, were

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received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

- xiv) 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; PM_{2.5}, PM₁₀, SO₂, NO_x, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xv) The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.
- xvi) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

[Signature]
Member Secretary (SEIAA)

REGISTERED

Endst. No. _____

Dated _____

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Member Secretary, Punjab State Power Corporation Ltd., The Mall, Patiala.
4. The Deputy Commissioner, SAS Nagar.
5. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Chief Conservator of Forests (North), Ministry of Environment and Forest, Regional Office, Bays No.24-25, Sector-31-A, Chandigarh.
7. The Chief Town Planner, Pb., Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.

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8. The Director (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the project proponent is as under:

- a) Name of the applicant Sh. Sohan Lal Maine, Vice President
- b) Telephone Number 0160-2643025
- c) E-mail mail@swarajenterprise.com

9. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying the environmental clearance on the website of the State Level Environment Impact Assessment Authority.

10. The Executive Engineer, PUDA, Patiala.

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Member Secretary (SEIAA)