

MINUTES OF MEETING OF EXPERT APPRAISAL COMMITTEE
TERRITORY, CHANDIGARH HELD ON 16.02.2011 AT 10:30 A.M. IN THE
OFFICE ROOM OF ADDITIONAL DIRECTOR (ENVIRONMENT
DEPARTMENT) -CUM-SECRETARY, EXPERT APPRAISAL COMMITTEE,
CHANDIGARH, UNDER THE CHAIRMANSHIP OF DR. R.K. KOHLI,
CHAIRMAN, EXPERT APPRAISAL COMMITTEE UT, CHANDIGARH

A meeting of Expert Appraisal Committee, Union Territory, Chandigarh was held on 16.02.2010 at 10:30 in the office room of Additional Director (Environment Department)-cum-Secretary, Expert Appraisal Committee, Chandigarh under the chairmanship of Dr. R.K.Kohli, Chairman, Expert Appraisal Committee, Union Territory, Chandigarh to discuss the issue for the grant environmental clearance to M/s Tech Mahindra Limited, Plot No. 23: Phase - II, Rajiv Gandhi Technology Park, Kishangarh, Chandigarh. The following members were present in the meeting:-

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| 1. | Prof. M.S.Johal,
Department Zoology,
Panjab University, Chandigarh. | Member |
| 2. | Sh. Vivek Pandey,
Scientist 'B'.
Chandigarh Pollution Control Committee,
Chandigarh. | Member |
| 3. | Prof. Shakti Arora,
Department of Environmental Engineering,
Punjab Engineering College, Sector - 12,
Chandigarh. | Member |
| 4. | Sh. Rajnish Wattas,
Principal, Retd.
Chandigarh College of Architecture,
Chandigarh. | Member |
| 5. | Sh. Surinder Singh,
Divisional Forest Officer (Retd.)
H.No. 995, Sector 41-A, Chandigarh. | Member |
| 6. | Dr. V.K.Rattan,
Department of Chemical Engineering,
Panjab University, Chandigarh. | Member |
| 7. | Sh. Surendra Kumar
Additional Director,
Ministry of Environment & Forests.
Northern Regional Office, Chandigarh. | Special Invitee |
| 8. | Sh.P.J.S.Dadhwal,
Additional Director,
Environment Department
U.T., Chandigarh. | Secretary |

The project proponent has submitted an application in the prescribed Form - I /A for the grant of environmental clearance for setting up office building of M/s Tech

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Sh. SHAKTI K.R.

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Mahindra Ltd at Plot No.23, Phase-II, Rajiv Gandhi Technology Park, Kishangarh, Chandigarh termed as 'Unit' vide their letter dated 20.10.2010. After going through the application Form - I/IA alongwith its enclosures, the proponent had been asked to furnish the replies to the queries made vide letter dated 15.11.2010. The project proponent vide their letter dated 29.11.2010 (received on 02.12.2010) had submitted the reply to the some of the queries and requested to grant some time to reply the rest of the queries.

The case was considered by SEAC in its 1st meeting held on 16.12.2010 wherein after going through the papers submitted by the proponent alongwith Form - I/IA and reply submitted vide their letter dated 29.11.2010, the committee agreed to give four weeks time i.e. upto 31.12.2010 to submit the information. The project proponent vide their letter dated 23.12.2010 which was received on 24.12.2010 had furnished reply to some of the queries alongwith supporting documents. The reply received from the project proponent vide their letter dated 23.12.2010 was considered by SEAC in its 2nd meeting on 15.01.2011. A presentation was made on the different aspects of the project by the project proponent and its consultants M/s Eco Laboratories and Consultants enlisted with QCI at S.No.157; It was noted with concern by the Committee that the project proponent had already completed 100% construction even before applying for environmental clearance. The project proponent apologised to the Committee for the violation and ensured that it will comply to the various environmental conditions in spirit and letter. The Committee asked the project proponent to resubmit the final data on projects status including built-up area in the form of an affidavit. It also suggested many more measures which can be still implemented to make the building environment friendly particularly modifications in the landscape, tree plantation, use of solar lighting outside etc. The revised reply with affidavits and a time bound plan to implement the suggestions was submitted by the project proponent on 03.02.2010. The committee decided to recommend and forward the project to State Environment Impact Assessment Authority, Chandigarh, for the grant of environmental clearance, with special condition that a request be made to State Government to impose penalty as desired by MoEF, Government of India vide its circular No.J-11013/41/2006-IA.II(I) dated 16.11.2010 for such cases of violation as well as ask the unit in compliance to said circular to put the matter relating to violation to the Board of Directors of the company and a written commitment in the form of resolution to the effect, that in future every care shall be undertaken and no such violations shall be repeated.

The Committee resolved to recommend the grant of environment clearance to M/s Tech Mahindra Ltd at Plot No.23, Phase-II, Rajiv Gandhi Technology Park, Kishangarh, Chandigarh and forward the case to the State Environment Impact Assessment Authority for the grant of Environmental Clearance, subject to the conditions mentioned below:-

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Project brief:-

The project at Plot No.23, Phase-II, Rajiv Gandhi Technology Park, Kishangarh, Chandigarh includes construction of an office building over a plot of 10 acres (40478.26 sq.m) with a cost of 110.9 crores. The main building is ground floor plus 3 floors and two basements. There is a separate block for utilities. The total constructed built-up area is 23969 sq.m. The design population of the project is 2000 persons. The source of water supply is municipal corporation. The total domestic water demand is 90 KLD, the irrigation demand shall vary from 20 KLD in monsoon to 60 KLD in summer and an area of 5.66 Acres out of 10 acres is exclusively marked for landscaping and green belt. There is no water requirement for cooling purpose. The Sewage generated is 80 KLD out of which 36 KLD shall be recycled in flushing and remaining for irrigation as per the seasonal demand. The net discharge of wastewater into public sewer in no case shall exceed 32 KLD after recycling for flushing and irrigation. Area for expansion of STP to 160 KLD is earmarked. The unit shall further undertake rain water harvesting through two recharge pits of 8 m x 6m x 4.5 m with a total holding capacity of 432 m³ with 3 No. perforated bore pipe each of 200 mm dia. The solid waste generated shall be 800 Kg/day maximum and segregated in recyclable and biodegradable components at the project site itself; no biomedical waste shall be generated as after first aid the victim shall be immediately transferred to nearest hospital, the hazardous waste of Category 5.1 shall be generated of the order of 30-50 litres/annum; E-waste @ 10-20 Kg/annum shall be generated. Unit shall install four DG sets- One generator of 380 KVA, 500 KVA and two of 2000 KVA; Parking for 129 cars in basement and 256 cars on ground is possible and space for two-wheeler parking is separately provided in basement. The power consumption for the project is 2500 KW. Solar Water heaters are provided for hot water generation to meet the requirements of hot water in the kitchen.

Part-A: Special Conditions:

The total constructed built-up area on 10 acres of plot is 23969 sq.m and any additional construction above this shall require revised environmental clearance as an expansion project.

The unit shall clearly separate out by way of hedge, rows of tree, wall or otherwise, the additional adjacent 5 acres of plot area (other than 10 acres) under its occupation and lying vacant.

The Union Territory Government shall take suitable action under section 19 of Environment (Protection) Act 1986 for the violation of the provision of SO 1533 (E) dated 14.9.2006 for doing construction without obtaining prior environmental clearance.

Part-B: Specific Conditions

Construction Phase: As unit has completed 100% construction prior to grant of environmental clearance, imposition of conditions applicable for the construction phase are not possible at this stage.

Operational Phase: The environmental clearance recommended to the project is subject to the specific conditions as follows:

- i. The unit shall operate after obtaining consent from Chandigarh Pollution Control Committee (CPCC) u/s 25/26 of Water (Prevention and Control of Pollution) Act, 1974; Air (Prevention and Control of Pollution) Act, 1981; The Hazardous Waste Management, Handling and Trans-boundary Movement Rules, 2008. The project proponent has submitted that no Bio-medical waste would be generated. However, in future if such waste is generated, the same shall be disposed off as per the provisions of Bio Medical Waste (Management & Handling) Rules, 1998 under intimation to the Chandigarh Pollution Control Committee, Chandigarh. The unit shall take suitable measures to maintain ambient noise level as per the Noise Pollution (Regulation and Control) Rules, 2000 and all other rules framed under Environment Protection Act, 1986.
- ii. A Sewage Treatment Plant based on suitable technology shall be installed for the treatment of the sewage generated. The BOD of the treated sewage for irrigation/landscape or for discharge into public sewer shall not exceed 30 mg/l. The maximum amount of treated sewage discharged into the public sewer shall not exceed 32 KLD. Sewage shall be recycled for flushing 36 KLD and for irrigation 20 KLD to 60 KLD depending upon the season. Unit shall install electro-magnetic flow-meter at the outlets to measure the amount of treated sewage discharged into public sewer, for flushing and for irrigation and maintain the records. The treated sewage to be used for flushing shall be further polished to achieve a BOD of ≤ 5 mg/L by providing Ultra-filtration. The disinfection of the treated sewage shall be done using UV/Ozone based systems instead of chlorination. A filter press shall be provided to manage the sludge particularly during the monsoon season. Two to three rows of evergreen broad leaf, non edible fruit bearing trees preferably indigenous shall be planted along the STP boundary and DG Set area. The treated sewage outlets in the campus for the irrigation purpose shall be colour coded and clear instruction in local language shall be provided near by to ensure that the treated sewage is not used for drinking by mistake. The installation of the Sewage Treatment Plant and related facilities as above should be certified by an independent expert and a report in this regard should be submitted to the monitoring authority that is Regional office of Ministry of Environment and Forest and Chandigarh Pollution Control Committee, Chandigarh within three months from the grant of environmental clearance. The unit will recycle /reuse 100% treated effluent for horticulture / gardening / cooling etc and achieve zero discharge.
- iii. No boiler, furnace shall be installed by the unit. Only 4 DG sets as per the proposal shall be installed which shall be provided with acoustic enclosures, stacks and sampling platforms as required under Air (Prevention and Control of Pollution) Act, 1981 and laid down by Central Pollution Control Board. The stack emissions from the DG sets shall be monitored for PM, SO₂, NO_x, CO and HC once every six months from a NABL accredited/ Ministry of Environment and Forest, approved laboratory. Regular maintenance and service of the DG sets shall be undertaken to ensure that there is no substantial increase in emissions in subsequent monitoring. DG sets shall be used only as standby in case of failure of electricity. The DG sets shall be installed and operated as per the consent condition imposed by the Chandigarh Pollution Control Committee, Chandigarh.

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proposed plan shall be provided over 5.00
altered. It shall include vegetation of indige
noise and dust levels. A report on the statu
variety of trees shall be submitted to monitor
treated sewage for the purpose of irrigation s
ensuring conditions as water accumulation, r
are not caused. Three representative samples
year from a depth of up to one meter from the

analyzed to ensure that the quality of the soil does not deteriorate over a period of time. Corrective measures shall be suggested and undertaken in case any deterioration is observed.

- x. The net fresh water demand shall be met from the municipal supply only and no tube well shall be installed within the project site
- xi. A report on the energy conservation measures should be prepared incorporating details with regard to compliance with Energy Conservation Building Code (ECBC) guidelines and or as provided in the documents submitted for environmental clearance and shall be submitted to the monitoring authority in three months. An energy audit shall be conducted to verify the energy consumption and to suggest measures to reduce it further. The solar lights outside shall be installed as proposed within three months of the grant of environmental clearance.
- xii. The unit shall ensure that it provides facilities for group transport to its employees as per submission made to SEAC so as to reduce the movement of individual vehicles as cars/ two wheelers to and fro the unit. The unit shall submit details of such group transport facilities made available to the staff and number of staff availing of the same and number of staff coming by personal vehicles out of total staff every six months to the monitoring authority. It shall also ensure that no parking is done by employees, visitors outside its campus. It shall also ensure that vehicles used for group transport as well as brought by employees have valid PUC certificates.
- xiii. A report on expenditure done on environment protection including corporate social responsibility as per the documents submitted for environmental clearance shall be submitted once every six months to the monitoring authority. The Corporate Social Responsibility (CSR) measures shall be specific to unit and shall not pertain to entire group. These CSR measures shall also not be limited to unit employees and intra-campus activities but shall extend to nearby communities including steps to improve the environment conditions in the area.

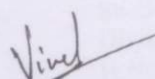
General Conditions:

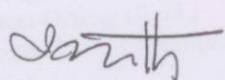
- i) The environmental safeguards contained in the documents should be implemented in letter and spirit.
- ii) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Level Environment Impact Assessment Authority, Chandigarh Pollution Control Committee, Chandigarh and Regional Office of MoEF, North and may also be seen at the website of the unit. 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.
- iii) Reports shall be submitted to the Regional Office North of MoEF on compliance to environmental conditions every six months. The reports including that of air, noise, soil and treated sewage quality shall also be placed on the website of the project proponent within a period of six month from the grant of environmental clearance. A display board shall also be provided at the gate of the unit showing date of grant consents and its validity and key pollution related parameters for the information of the general public as per the guidelines given by Chandigarh Pollution Control Committee, Chandigarh. The unit shall obtain clearances as for fire safety, structural safety, storage of fuel, sewerage connection, permission from airport authority of India etc. as applicable prior to start of operations.

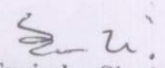
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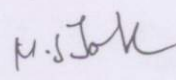
- iv) Officials from the Regional Office of MoEF, Chandigarh who would be monitoring the implementation of environmental safeguards shall be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority (SEIAA) / State Environment Assessment Committee (SEAC), should be forwarded to the Government of India, Ministry of Environment & Forests, Northern Regional Office, Bay No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh.
- v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this State Environment Impact Assessment Authority (SEIAA)
- vi) The SEIAA reserves the right to modify/add additional environmental safeguards subsequently, if found necessary, Environment Clearance granted will be revoked if it is found that false information has been given for approval of the project.
- vii) These stipulations would be enforced among others under the provisions of 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 framed there under and the Public Liability (Insurance) Act, 1991. The stricter of the conditions as imposed under the Acts as above or as imposed in environmental clearance shall apply.
- viii) In case project proponent sells/sublets the property, it shall enter in to a MoU with all such users/owners, if any, to ensure operation and maintenance of the STP and other assets and shall provide an Environment cell to ensure compliance to all environmental conditions imposed for the entire life of the property.
- ix) The project proponent will take continuous measures to improve upon its environmental performance and may go for voluntary accreditations as ISO-14000/Green rating systems
- x) Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act, 1997.

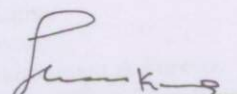
The meeting ended with vote of thanks to the chair.

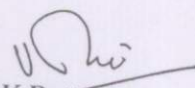

Sh. Vivek Pandey,
Member

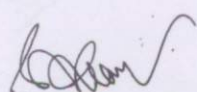

Sh. Rajnish Wattas,
Member

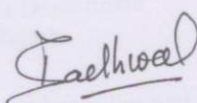

Sh. Surinder Singh,
Member

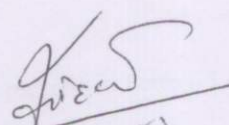

Prof. M.S. Johal,
Member


Prof. Shakti Arora,
Member


Dr. V.K. Rattan,
Member


Sh. Surendra Kumar,
Special Invitee


Sh. P.J.S. Dadhwal,
Secretary


Dr. R.K. Kohli,
Chairman