

CHANDIGARH ADMINISTRATION
DEPARTMENT OF ENVIRONMENT
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, CHANDIGARH
3RD FLOOR, PARYAVARAN BHAWAN,
SECTOR 19-B, CHANDIGARH.

TEL. 0172-2700065

No. SA-ED-2013/EC/

Dated:-

To

M/s Tech Mahindra Limited
Plot No. 23, Phase – II,
Rajiv Gandhi Technology Park,
Kishangarh, Chandigarh.

Subject:- Environmental Clearance to M/s Tech Mahindra Limited at Pot No. 23, Phase – II, Rajiv Gandhi Technology Park, Kishangarh, Chandigarh.

Dear Sir,

I am directed to refer to Authority's Letter No.SA-ED-2011/EC/458 dated 15.04.2011 and your application for seeking environmental clearance for the above project under the EIA notification 2006. The above proposal has been appraised as per prescribed procedure on the basis of the documents enclosed with the application viz Form 1, Form 1A, conceptual Plan and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee and Environment Impact Assessment Authority, Chandigarh.

2. The project 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.

The Expert Appraisal Committee after due consideration of the relevant documents submitted by the project and additional clarifications furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions. Accordingly, the State Environment Impact Assessment Authority, Chandigarh hereby accords necessary environmental clearance for the project under category 8 (b) of EIA Notifications, 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

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

- i. That since the Unit has constructed the building without having prior environment clearance. The proponent has violated the provisions of EIA notification. The unit has placed the case before the Board of Director of the Company to this effect and a Resolution from the Board of Directors has been submitted to the effect that no violation under Environment Protection Act, 1986 will be repeated in future.
- ii. That this environmental clearance is subject to obtaining prior clearance from forestry and wildlife angle including clearance from the Standing committee of National Board for Wildlife, as applicable, as the unit falls within 10 K.M. of notified Wildlife Sanctuary (Sukhna Wildlife Sanctuary and City Bird Sanctuary) and Eco sensitive zone around these sanctuaries have not been notified as yet. It is categorically stated that grant of environmental clearance would not necessarily imply that forestry and wildlife clearance shall be granted to the project and that your proposals for forestry and wildlife clearance shall be considered by the respective authority on merit and decision taken. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from forestry and wildlife angle, shall be entirely at the cost and risk of the project proponent and SEIAA shall not responsible in this regard, in any manner.

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.
- iv. Representative 24/8/1 Hour ambient air quality at the project site shall be monitored at three locations every season except monsoon for PM_{2.5}, PM₁₀, SO₂, NO_x, CO, O₃, NH₃ and Pb in PM as per the Ambient Air Quality Standards, 2009 from a NABL accredited/ Ministry of Environment & Forests approved laboratory. The trends in Ambient Air Quality (AAQ) shall be studied and any increase in AAQ over a period of time (two years) shall be analyzed and report submitted to Chandigarh Pollution Control Committee, Chandigarh and Regional Office, North Zone, Ministry of Environment & Forests, Chandigarh with corrective measures to control the AAQ and improve the same.
- v. The peak activity Day/Night time ambient noise levels shall be monitored along the boundary of the project at-least once every six months. The trends in noise levels shall be studied and any increase in noise levels over a period of time (two years) shall be analyzed and report submitted to Chandigarh Pollution Control Committee, Chandigarh and Regional Office, North Zone, Ministry of Environment & Forests, Chandigarh with corrective measures to control the noise levels and improve the same. The noise levels from the DG sets shall be monitored once every year and shall meet the prescribed standards, else otherwise corrective measures shall be taken under intimation to the monitoring authority to control the noise levels. As the DG sets are proposed to be installed at ground level in open with acoustic enclosures in addition two to three rows of evergreen trees of broad leaf shall be planted along the DG set area to further mitigate the impacts of noise generated.
- vi. The solid waste shall be segregated on site into recyclable and biodegradable components as disposed off as per the conditions imposed by Chandigarh Pollution Control Committee, Chandigarh. The hazardous wastes including e-waste shall also be disposed as per the conditions imposed by Chandigarh Pollution Control Committee, Chandigarh and appropriate records shall be maintained. An audit of the waste generation shall be undertaken over a period of time (two years) and attempts shall be made to minimize the waste generation. The project proponent shall install in-vessel composting of organic waste.
- vii. Weep holes shall be provided in the compound walls to ensure there is no obstruction to natural drainage of rainwater in the catchment area during the monsoon period.
- viii. Rooftop rainwater shall be harvested as proposed and used to recharge shallow aquifer. Regular maintenance of the Rain Water Harvesting (RWH) pits shall be undertaken to ensure that these are not clogged. An Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in settling tank before its utilization for recharging. The proposal for RWH shall be got approved from Centre Ground Water Board (CGWB) or vetted by an independent hydro-geologist. The open area used for parking and walking paths shall use perforated tiles to help percolate rainfall in natural manner.
- ix. Regarding nature of landscaping in the area of 5.66 acres, the emphasis shall be on soft landscaping, comprising plantation, earthforms, water bodies, etc with minimal of hard

and impervious surfaces for paving, shaft of covered surface, piazzas etc. The greenbelt alongwith boundary shall consist of trees bearing different heights forming three rows and three tier canopy, preferably evergreen broad leaf trees of indigenous species. The greenbelt and landscaping as per the proposed plan shall be provided over 5.66 acres and its land use shall not be altered. It shall include vegetation of indigenous variety that also help reduce noise and dust levels. A report on the status of plantation, including no. and variety of trees shall be submitted to monitoring authority every six months. The treated sewage for the purpose of irrigation shall be applied in scientific manner ensuring conditions as water accumulation, mosquito breeding, odour pollution are not caused. Three representative samples of soil shall be drawn once every year from a depth of up to one meter from the treated sewage irrigated area and 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.

C. 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. The compliance status of stipulated conditions of this clearance shall be uploaded on the website of the company and shall also be displayed in the project premises at a prominent place especially with respect to ambient air quality data.
- 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.

- 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 into 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.

— *SK* —
(SANTOSH KUMAR, IFS)
Member Secretary,
Environment Impact Assessment Authority,
Chandigarh.

Endst.No. SA-ED-2013/EC/ 864-370

Dated:- 6/3/13

A copy is forwarded to the following for information and necessary action:-

1. The ^{Add Pr.} Chief Conservator of Forest, Regional Office, Ministry of Environment & Forests, Chandigarh;
2. The Director (EIA), Northern Regional Office, Ministry of Environment & Forests, Chandigarh;
3. The Secretary, Environment, Chandigarh Administration;
4. The Conservator of Forests, U.T., Chandigarh;
5. The Member Secretary, Chandigarh Pollution Control Committee, U.T., Chandigarh;
6. The Chief Architect, U.T., Chandigarh.
7. Circular file.

SK
(SANTOSH KUMAR, IFS)
Member Secretary,
Environment Impact Assessment Authority,
Chandigarh.