

**SIX MONTHLY COMPLIANCE REPORT (PERIOD FROM 01.10.2019 to 31.03.2020)**

**NAME OF THE PROJECT** : **CONSTRUCTION OF TECHNOPARK PHASE III (SEZ) AT KULATHOOR, TRIVANDRUM, KERALA BY M/s. TECHNOPARK, TRIVANDRUM**

**MOEF LETTER NO.& DATE** : **ENVIRONMENTAL CLEARANCE (EC) NO.**  
21-199/2017-IA-III dated 15<sup>th</sup> June 2018

All the conditions of EC have been complied. Public has been informed about grant of EC by advertisement in Newspaper Mathrubhumi. (Copy of adv. is attached herewith).

Present status of compliance to the conditions stipulated in the Environment Clearance No. 21-199/2017-IA-III dated 15<sup>th</sup> June 2018 is given hereunder:

SI NO.	PARTICULAR	COMPLIANCE
<b>Sec. 3PART A- SPECIFIC CONDITIONS</b>		
I.	<b>Construction Phase:</b>	
(i)	Clearance / Permission from Technopark Area Single Window Clearance Board for before commencement of work.	Building Permit vide No: BP/PH3/002/WR dated 22 <sup>nd</sup> October 2018 obtained from Technopark Area Single Window Clearance Board.
(ii)	“Consent for Establishment” shall be obtained from KSPCB under Air and Water Act	“Consent for Operate” obtained from KSPCB. (Cons. No. PCB/HO/TVM/ICO/02/2019 valid upto 31/07/2022.
(iii)	The storm water drainage shall be worked out after analyzing the contour levels of the site and surrounding areas and the capacity of storm water drainage	An extent of 2.25 acres of land earmarked for constructing storm water collection pond.
(iv)	The total height of the building shall not be more than 60 m, due to the non-availability of sufficient firefighting facilities in the area.	The height of the tallest building in the said area is only 55.65 metres. Hence Complied
(v)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health	Provision outside the site made for the housing of construction labour with all necessary infrastructure and facilities.

	care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	
(vi)	Provisions of Solid Waste (Management) Rules 2016 shall be followed.	Complied
(vii)	A First Aid Room will be provided in the project both during construction and operation of the project.	First Aid Room provided. An ambulance is also provided for the campus.
(viii)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Excavated topsoil preserved separately has been used for filling in the same site for road construction.
(ix)	Disposal of muck during construction phase should not create adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	The muck during the construction phase is being reused at site for filling activities.
(x)	Construction Site shall be properly barricaded. Necessary precautions shall be taken for prevent dust, smoke & other air pollution.	Complied. Proper covering is provided for vehicles bringing sand, cement & other construction materials to site.
(xi)	All construction & demolition debris shall be stored at site and shall be managed as per provisions of the Construction & Demolition Waste Rules 2016.	Shall be complied
(xii)	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.	complied
(xiii)	Vehicles hired for brining construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.	Complied.
(xiv)	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made	<ul style="list-style-type: none"> <li>- Being a construction site, equipment generating heavy noise are not being used.</li> <li>- The workers are provided with PPE as part of safety.</li> <li>- Equipment emitting higher</li> </ul>

	to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ KSPCB.	<p>noise</p> <ul style="list-style-type: none"> <li>- Workers are restricted to move near noise sources.</li> <li>- Workers performing noisy tasks are being rotated regularly.</li> </ul>
(xv)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other practices referred.	Ready Mix Concrete is used for construction.
(xvi)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	The dual plumbing system is incorporated.
(xvii)	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.	Pressure reducing valves have been provided in plumbing lines.
(xviii)	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening etc.	<ul style="list-style-type: none"> <li>- Approval of the competent authority (IIT Madras) was obtained for structural safety.</li> <li>- NOC obtained from Fire &amp; Rescue Department, Kerala State.</li> </ul>
(xix)	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.	Shall be ensured.
(xx)	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environmental Clearance obtained vide EC No. 21-21/2009-IA.III dated 28 <sup>th</sup> May, 2010 and 21-199/2017-IA-III dated 15 <sup>th</sup> June 2018.
<b>SI NO.</b>	<b>PARTICULAR</b>	<b>COMPLIANCE</b>
<b><u>PART A – OPERATION PHASE</u></b>		
i	The installation of the Sewage treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated affluent emanating from STP shall be	“Consent for Operate” obtained from KSPCB. (Cons. No. PCB/HO/TVM/ICO/02/2019 valid upto 31/07/2022.

	recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Kerala State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP	
ii	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material	The solid wastes are being properly segregated. Wet garbage is being transported to the Solid Waste Management plant in Technopark Phase 1 Campus. A separate SWM is proposed in Technopark Phase 3 Campus.
iii	Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act,1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Kerala State Pollution Control Board.	The Consent to Establish has been obtained from Kerala State Pollution Control Board. The application for Consent to Operate shall be filed after commissioning of all the DGs. HSD is being used as the fuel for the DGs.
iv	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 building shall be restricted to the permissible levels to comply with the prevalent regulations.	Shall be complied.
v	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise	Shall be complied.
vi	Weep hole in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period	Shall be complied.
vii	Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and	Will be complied

	grease. The borewell for rain water recharging should be kept at least 5 mts. above the highest ground water table	
viii	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	KWA water is being used. No ground water is drawn.
ix	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internationalized and no public space should be utilized	Will be complied.
x	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible	Light fittings used in the campus are of LED and CFL type. A roof top grid connected solar power plant with a capacity of 200kWp has been installed and commissioned in one of the building.  Shall be complied for ongoing buildings.
xi	Central air-conditioning energy efficient system having at least 3 star rating BEE may be providing for the proposed housing complex	High Efficiency chillers and AHUs with VFDs are installed in the completed building.  Shall be complied in the under construction buildings.
xii	Efforts may be made to use solar energy to the maximum extent possible	200kWp grid connected roof top solar power plant is commissioned in one of the building. Shall be complied in ongoing buildings.
xiii	Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP	Shall be complied.
xiv	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation	The distance between the completed buildings is 20m. Shall be complied for the proposed buildings.
xv	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Roof insulations are provided on the ceiling of the topmost floor as per ECBC requirements for the completed building. Terrace floor coated with Heat Reflective Paint.

SI NO.	PARTICULAR	COMPLIANCE
<b>PART B – GENERAL CONDITIONS</b>		
I.	<b>Construction Phase:</b>	
(i)	The environmental safeguards contained in the EIA/EMP should be implemented in letter and spirit.	Agreed and complied.
(ii)	The project proponent shall also submit Six monthly compliance reports on the status of compliance of EC conditions including results of monitoring data(both in hard copies as well as by e-mail) to respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB	Shall be complied.
iii	Official from the Regional Office of MOEF, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete site of all the documents submitted to MoEF should be forwarded to the CCF, Regional Office of MOEF, Bangalore.	Agreed and complied.
iv	In case of any change(s) in the scope of the project. The project would require a fresh appraisal be the ministry.	Noted.
v	The Ministry 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.	Agreed. All will be liable for Environmental safeguards as mentioned in Environment Clearance
vi	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Depart, Forest Conservation Act, 1980 and Wildlife (Protection) Act 1972 etc. shall be obtained, as applicable by project proponents from the respective authorities.	Agreed and Explosive License No. P/HQ/KL/1317(P319728) dated 22/04/2014 obtained for storage of HSD underground.

vii	These stipulations would be enforced among others ,under the provisions of Water (Prevention and Control of Pollution) act, 1981, the Environment (Protection) Act, 1986, the Public Liability( Insurance) Act,1991, Forest Conservation Act, 1980 and EIA notification 2006.	The project will function under all the guidelines under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.
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 Kerala State Pollution Control Board and may also be seen on the website of the Ministry of Environmental and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> .The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the regional office of this Ministry at Bangalore.	Agreed and complied.
ix	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation vd Union of India in Writ Petition( Civil) No. 460 of 2004 as may be applicable to this project.	Agreed.
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.	Agreed
xi	A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, Zilla Parisad/ Muncipal Corporation, Urban Local Body and Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Agreed and complied.

xii	The project proponent shall upload the status of the compliance of the stipulated EC conditions, including results of monitoring data on their websites 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, SO <sub>2</sub> , NO <sub>x</sub> , (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.	Agreed and complied.
xiii	The environmental statement for each financial year ending 31st March in Form V as in mandated to be submitted by the project proponent to the concerned SPCB 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 the EC conditions and shall also be sent to the respective Regional Offices of MoEF by email	Noted.

Thanking You,

For **Electronics Technology Parks- Kerala**



**Sasi Pilacheri Meethal**  
**Chief Executive Officer**





ANNEXURE I



