



Proceedings of the State Environment Impact Assessment Authority Kerala

*Present: Prof. (Dr.) K.P. Joy, Chairman, Dr. J. Subhashini, Member and Sri. P. Mara
Pandiyam I.A.S., Member Secretary.*

Sub: Amendment in Environmental Clearance - Environmental Clearance issued by MoEF for the development of Software complex "TCS Technopark" in Sy. Nos. 209, 210, 211, 213, 221, 223, 224, 225, 226, 302, 304 and 305 at Attippra Village, Thiruvananthapuram District, Kerala by M/s Tata Consultancy Services (TCS) Limited - E.C- Granted

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 205/SEIAA/EC1/128/2014

dated, Thiruvananthapuram 04-03-2016

- Read:-
1. Application dated 19.01.2014 from Sri. Gigi Thomas, M/s Tata Consultancy Services Ltd., Technopark Campus, Kariavattom P. O., Thiruvananthapuram, Kerala- 695581
 2. Minutes of the 25th meeting of SEAC held on 14/15-02-2014.
 3. Minutes of the 26th meeting of SEAC held on 20/21-03-2014.
 4. Minutes of the 50th meeting of SEAC held on 30/31-12-2015.
 5. Minutes of the 49th meeting of SEIAA held on 05-12-2016.

ENVIRONMENTAL CLEARANCE NO. 31/2016

Sri. Gigi Thomas, Authorized Signatory, M/s Tata Consultancy Services Ltd. Technopark Campus, Kariavattom P. O., Thiruvananthapuram- 695581 vide his application dated 19.01.2014, has sought application for the amendment of E.C. obtained from MoEF under EIA Notification, 2006 for the proposed Expansion of Building Stone Quarry in Sy. Nos. 209, 210, 211, 213, 221, 223, 224, 225, 226, 302, 304 and 305 at Attippra Village, Thiruvananthapuram District, Kerala. It is interalia, noted that the project comes under the Category B, 8(a) of Schedule of EIA Notification, 2006. No forest land is involved in the present project.



BASIC DETAILS OF THE PROJECT

Name of project		Amendment in Environmental Clearance issued for the development of Software Complex at Techno Park Campus, Trivandrum, Kerala by Tata Consultancy Services Limited (TCS)
Brief description of the project		TCS plan to construct an additional floor in its ODCs with built-up of about 4,725.23 Sq.m and increase the total built-up area the project to 1,15,209 Sq.m.
Category/Subcategory & Schedule		8 (b) – Building & Construction Projects
Location Sy no/ district, Taluk/ village etc.		Sy. No. 209, 210, 211, 213, 221, 223, 224, 225, 226, 302, 304 & 305, Attippara Village, Thiruvananthapuram Taluk & District
GPS co-ordinates		Latitude - 08°33'18.41"N & Longitude - 76°52'42.90"E
For Construction projects	Built up area (in m ²)	1,15,209 Sq.m.
	No. of floors	Ground + Podium + 5 floors
	Maximum height from ground level	33.05
	Facilities proposed	Overseas Development Centre - 2 Nos, Cafeteria, Utility Block, STP, HSD Tank, Bio gas plant.
	Details of project cost	Rs. 214.39 Crores
	Financial statement including funding source and details of insurance	TCS Corporate funding
CRZ recommendations		Not applicable
Forest clearances		Not applicable
Does it attract violation proceedings		Not applicable
Env't Mgmt plan/ Eco restoration plan (brief details)		<ul style="list-style-type: none"> • Adequate air pollution control measures like scrubbers are proposed for DG sets. • STP is proposed to treat and reuse the sewage. • Bio gas plant proposed to treat biodegradable wastes • Adequate green belt development is also planned. • Rain water usage is envisaged during monsoon season. • Energy conservation measures are also planned to reduce power consumption
ABOUT THE PROJECT		
Environmental parameters considered		Description
WATER		
Water requirement & sources		Non Monsoon – 949 / Monsoon – 817 Source - Technopark
RWH units proposed		2 x 150 KL each
Facilities for liquid waste treatment		Sewage Treatment Plant – 580 KLD
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?		A pond located in the site will be relocated to corner of project site with increased volume.
Does it have provisions for use of recycled water		Proposed to use for toilet flushing, AC chiller make-up & green belt development.



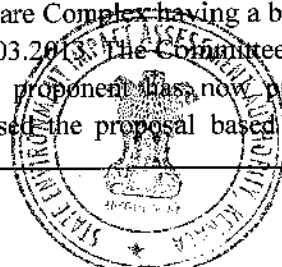
LAND	
Proximity to forest lands	No
Access road to the site – Width & Condition	NH – 47 Bye pass road
Storage of explosives /hazardous substances	HSD storage
Facility for solid waste mgmt	Bio gas plant is proposed to convert biodegradable waste into usable bio gas.
Topographic features/ slope	Land with undulations & an elevated area in NE corner
AIR	
Air quality meeting requirements	Ambient Air quality standards will be maintained.
Noise level meeting requirements	Ambient noise level norms will be observed.
Likely emissions affecting environment	Emissions from standby DG sets which will be controlled by wet scrubber followed by adequate height of stack
ENERGY	
Energy requirement	6968 KVA
Energy sources	Techno Park
Extent of usage of alternative energy resources	200 KW of Solar power panels
BIODIVERSITY	
Presence of any endangered species or red listed category	No
Loss of native species and genetic diversity	No
Likely displacement of fauna	No
Any introduction of alien / invasive species	No
SOCIAL ASPECTS	
Proximity to nearest habitation	Kazhakuttam – 100 m
CSR related to the project/ allocation/ time frame (details mandatory)	Proposed to spent about Rs. 300 Lakhs for various activities like education, health, tree plantations, environmental awareness programs, etc.
GENERAL	
Biomedical waste management	Not applicable
E-waste management	Proposed to dispose to e-waste recyclers
Sufficiency of parking spaces/traffic management	Parking space proposed for 547 cars, 549 two wheelers & 9 buses.
Litigation/ court cases, if any, against the project (Provide details)	Nil
ADDITIONAL CLARIFICATIONS	
Details of Authorised Signatory	Mr. Gigi Thomas Assistant General Manager – Admin M/s Tata Consultancy Services (TCS) Limited Technopark Campus; Kariyavattom P.O. Thiruvananthapuram - 695581. Tel. No. 0471-6629400; Fax No. 0471-6629499 Email: t.salim@tcs.com
Details of NABET approved EIA consultant organisation	M/s ABC Techno Labs No. 2, 2 nd Street, Thangam Colony Anna Nagar West Chennai - 600040; Tel. No. +91-44-26161123/24/25 Fax No: +91-44-26163456; E-mail: abc@abctechnolab.com info@abctechnolab.com



2. The proposal was considered as agenda item no. 25.12 in the 25th SEAC meeting held on 14th and 15th February 2014 and was deferred to be considered in the next meeting since the proponent failed to circulate the proposal to the members of SEAC despite intimation from the Secretariat of SEAC/SEIAA. Accordingly the proponent was communicated of the same and the proposal was placed for consideration of SEACI in its 26th meeting held on 20th and 21st, March 2014. The committee appraised the project in detail and called for revised proposal with the following details.

1. Work out the parking facilities as per the EC of MoEF and submit drawings specifically denoting the areas, including 2880 car parking.
2. Revise RWH calculation, maximize RWH and develop own source of water.
3. A stream on the eastern side is blocked by the proponent. Keep the canal in original position, maintain and plan accordingly.
4. Width of green belt proposed near the *thodu*.
5. Clarification in writing regarding the location of the project site, with valid document to support the same as it is found in the schedule describing the Sy. Nos. of the leased out lands that the Sy. Nos. mentioned in the proposal belongs to Attipra and Pangappara Villages, whereas in the present application it is stated as only Attipra village.
6. NOC from Airports Authority of India, details of fire fighting system with drawings / maps as is necessary to be given.
7. Budget part for environmental monitoring to be reworked.
8. Building plan of the project.
9. Cadastral map in which the proposed outlay plan is superimposed.
10. Revised conceptual plan marking all the facilities, with proper legend.
11. Extent of vacant area / open to sky.
12. Fresh undertaking in stamp paper undertaking the responsibility for the proposal submitted, clearly mentioning the details of the project (including its location and survey numbers).
13. Actual beneficiaries and commitments towards CSR to be provided.
14. Joint undertaking of the consultant organization with the project proponent for implementation of EMP and EC conditions duly signed by the proponent and EIA co-ordinator of the consultant organization.
15. Landscape plan clearly indicating the species and number of plants proposed to be planted to be provided.
16. MoU with authorized recycler of waste.
17. Affidavit stating that the proponent has obtained EC from MoEF in 2013, has not started construction before that and has thus not violated the provisions of EIA Notification 2006.
18. Duly signed proforma of the salient features of the project and brief write up of the project.

3. On submission of the required documents provided by the proponent the proposal has been again considered by 50th meeting of SEAC held on 30/30-12-2015 as Agenda Item No. 50.07 and the committee found that the proposal is for EC for adding an additional built up area of 4,735.92 m² to their project for setting up the Software Complex having a built up area 1,10,473 m² for which EC is seen issued from MoEF on 12.03.2013. The Committee found that the total plot area of the project has not changed and the proponent has now proposed an additional area of 4,735.92 m² only. The Committee appraised the proposal based on revised



Form-I, Form-IA, EIA report and all other documents submitted along with the application and recommend for issuance of Environmental Clearance with all the conditions already stipulated by the MoEF & CC in their clearance 21-14/2008-I.A.III dtd 12.03.13.

4. The 49th meeting of SEIAA held on 05.02.2016 considered the matter and accepted the recommendation and decided to issue E.C for the additional works subject to the conditions already stipulated by MoEF and the general conditions for non- mining projects and the following green conditions:

Green conditions

1. Adequate rain water harvesting facilities shall be arranged for.
2. Technology and capacity of STP to be indicated with discharge point (if any) of the treated effluent.
3. Effluent water not conforming to specifications shall not be let out to waterbodies.
4. Maximum reuse of grey water for toilet flushing and gardening and construction work shall be ensured.
5. Dual plumbing for flushing shall be done.
6. Provisions for disposal of e-wastes. Solid wastes, non-biodegradables and separate parking facilities for the building shall be provided.
7. Generation of solar energy to be mandatory for own use and /or to be provided to the grid.
8. There shall be no compromise on safety conditions and facilities to be provided by the project proponent, which shall be ensured for occupation, regularisation or consent to operate.

5. Environmental clearance as per the EIA notification- 2006 is hereby accorded for the development of Software complex "TCS Technopark" in Sy. Nos. 209, 210, 211, 213, 221, 223, 224, 225, 226, 302, 304 and 305 at Attippra Village, Thiruvananthapuram District, Kerala by M/s Tata Consultancy Services (TCS) Limited subject to the specific conditions in para 2 and green building and other conditions in para 3 above, all the environmental impact mitigation and management measures undertaken by the project proponent in the documents submitted to SEIAA, and the mitigation measures proposed in the Appendix II, Form IA. The assurances and clarifications given by the proponent in the application and related documents will be deemed to be a part of these proceedings as if incorporated herein. Also the general conditions for projects other than mining appended hereto will be applicable and have to be strictly adhered to.

6. Validity of this environmental clearance will be seven years from 16-10-2015, subject to earlier review in the event of non-compliance or violation of any of the conditions stipulated herein.

7. Compliance of the conditions herein will be monitored by the Directorate of Environment & climate change or its agencies and also by the regional office of the Ministry of Environment & Forests Government of India, at Bangalore.

- i. Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring



- ii. Instances of violation if any shall be reported to the district collector, Thiruvananthapuram to take legal action under the Environment (Protection) Act, 1986.

8. The given address for correspondence with the authorised signatory of the project is Sri. Gigi Thomas, M/s Tata Consultancy Services Ltd., Technopark Campus, Kariavattom P. O., Thiruvananthapuram, Kerala- 695581.

Sd/-

P. MARA PANDIYAN, I.A.S.,
Member Secretary (SEIAA)

&

Addl. Chief Secretary
Environment & Forests Department
Government of Kerala.

To,

Sri. Gigi Thomas,
M/s Tata Consultancy Services Ltd.,
Technopark Campus, Kariavattom P. O.,
Thiruvananthapuram - 695581

Copy to,

1. The District Collector, Thiruvananthapuram
2. Secretary, Thiruvananthapuram Corporation
3. The District Town Planner, Thiruvananthapuram
4. Director, Department of Environment & Climate Change
5. Addl. Chief Secretary, Environment Department, Government of Kerala
6. Chairman, SEIAA
7. Additional Chief Secretary, IT & Electronics Department
8. Website
9. O/C S/F

Forwarded/ By order


Administrator, SEIAA



GENERAL CONDITIONS (for projects other than mining)

- (i) Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- (iii) Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.
- (iv) The project shall incorporate devices for solar energy generation and utilization to the maximum possible extent with the possibility of contributing the same to the national grid in future.
- (v) Safety measures should be implemented as per the Fire and Safety Regulations.
- (vi) STP should be installed and made functional as per KSPCB guidelines including that for solid waste management.
- (vii) The conditions specified in the Companies Act, 2013 should be observed for Corporate Social Responsibility.
- (viii) The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
- (ix) Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating activity.
- (x) All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- (xi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (xii) The Authority 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.
- (xiii) The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including 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.
- (xiv) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.
- (xv) A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District Panchayat/ Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.
- (xvi) The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data and 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 respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xvii) The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.
- (xviii) The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.




for Member Secretary, SEIAA
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