



Validity up to 28/11/2022

***Proceedings of the State Environment Impact Assessment Authority
Kerala***

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

Sub: - Environmental Clearance for the proposed residential project ("Marine View at Marine Drive") at Plot No. D4 & D5 in Sy. No. 843 pt. at Ernakulam Village, Kochi Municipal Corporation, Kanayannur Taluk, Ernakulam District, by M/s Puravankara Projects Limited -Granted

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 275/SEIAA/KL/1278/2014

dated, Thiruvananthapuram 29-12-2015

- Read:-* 1. Application dated Nil from Sri .Ranjit Thomas, Authorized Signatory & Regional Head - Kerala, M/s Puravankara Projects Limited, G. 261, Panampilly Avenue, Kochi.682036.
2. Minutes of the 29th meeting of SEAC held on 2 /3-5-2014.
 3. Minutes of the 32nd meeting of SEAC held on 12/13-8-2014.
 4. Minutes of the 35th meeting of SEAC held on 17/18-10-2014.
 5. Minutes of the 35th meeting of SEIAA held on 9-4-2015.
 6. Certificate No. 3207/A2/15/KCZMA/S&TD dated 9-6-2015 of the Member Secretary (i/c), KCZMA, Thiruvananthapuram.
 7. Minutes of the 39th meeting of SEIAA held on 18-6-2015.
 8. Minutes of the 40th meeting of SEAC held on 28 /30 -5-2015.
 9. Minutes of the 42nd meeting of SEAC held on 2-7-2015.
 10. Minutes of the 40th meeting of SEIAA held on 3 /4-8-2015.
 11. Letter no. 6336/A2/15/S&TD/ KCZMA dated 1-12-2015 from the Member Secretary (i/c), KCZMA, Thiruvananthapuram.
 12. Minutes of the 46th meeting of SEIAA held on 14-12--2015.

ENVIRONMENTAL CLEARANCE NO. 121 / 2015

Sri. Ranjit Thomas, Authorized Signatory & Regional Head - Kerala of M/s Puravankara Projects Limited, vide their application received on 20.03.2014 has sought environmental clearance under the EIA Notification, 2006 for the residential project ("Marine View at Marine Drive") at Plot No. D4 & D5 in Sy. No. 843 pt. at Ernakulam Village, Kochi Municipal Corporation, Kanayannur Taluk, Ernakulam District, Kerala.

BASIC INFORMATION ON THE PROJECT

Brief description of the project		Proposed housing project with 1,141 apartments, club area, swimming pool & first aid facility. The total plot area 6.75 ha. (67,557.64 sq. m.) and total built-up area 3,70,777.15 sq.m.	
Category/Subcategory & Schedule		Category 'B', Schedule 8 (b)	
Location Syno/ district, Taluk / village etc.		Plot No. D4 & D5 in Survey No. 843 part, Village Emakulam, Kochi Municipal Corporation, Kanayannur Taluk, Emakulam District, Kerala.	
GPS co-ordinates		Latitude (N)	10°00'01.38" to 10°59'51.06"
		Longitude(E)	76°16'31.22" to 76°16'22.73"
for Construction projects	Built up area (in m²)	3,70,777.15 sq.m.	
	No. of floors	2 Stilt floor + 28 Upper Floors	
	Maximum height from ground level	102.00 m.	
	Details of project cost	Rs. 684.66 Crores	
	Activity schedule of the project	60 months	
	Env't Mgmt plan/ Eco restoration plan (brief details)	The proposed project has provision for (i) Treatment of sewage and it's partial recycling (ii) The project has made provision for rain water storage tanks (iii) Organic waste converter within the project site for disposal of the bio-degradable solid waste. (iv) As part of the eco restoration, large number of saplings of native species would be planted. (v) D.G. sets with noise control measures and stack for flue gas. (vi) Sufficient parking as per KMBR.	
ABOUT THE PROJECT			
	Environmental parameters considered	Description	
WATER			
	Water requirement & sources	The total domestic water requirement of 796 KLD (which includes daily fresh water requirement of 522 KL). Treated water from STP to be used for flushing of toilets 274 KLD & Horticulture 74 KLD. Source :- Stored Rain water, wells and treated water from STP.	
	RWH units proposed	The project has provision for rain water storage tanks of total capacity 15.66 ML total capacity (4.56 ML + 5.6 ML + 5.5 ML) which will be used as source of water during rainy days & non-rainy days.	
	Facilities for liquid waste treatment	Sewage Treatment Plant with total capacity 870 KL.	
	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	
	Water quality meeting requirements	Water quality to meet requirements after the treatment of water (filtration & disinfection).	

	Does it have provisions for use of recycled water	Treated water from STP to be used for flushing of toilets 274 KLD & Horticulture 74 KLD.
LAND		
	Access road to the site –Width & Condition	28 m. wide (tarred road)
	Storage of hazardous substances	Yes, all precautionary measures in the storage & handling of HSD & PNG waste will be followed.
	Facility for solid waste mgmt	<ul style="list-style-type: none"> ➤ Collection & segregation within the site of bio-degradable waste (green bins) & non-biodegradable waste (blue bins). ➤ The recyclable waste like packaging material, paper etc. would be sold through vendors. ➤ Bio-degradable waste would be disposed through OWC and through the microbial composting system (bio-bin). ➤ The manure from the composting unit will be utilized as manure.
	Top soil, overburden etc.	Excavation of earthwork for foundation of structures will be carried out. The top soil which is fertile will be kept at site for landscaping work. The excavated soil will be used for back filling work and for internal road construction purposes.
AIR		
	Air quality meeting requirements	Yes
	Noise level meeting requirements	Yes
	Likely emissions affecting environment	Emissions from D.G. sets and from the vehicles only.
ENERGY		
	Energy requirement	15,094 kW
	Energy sources	Kerala State Electricity Board & D. G. Sets (750 kVA x 2 nos. + 600 kVA x 7 nos. + 500 kVA x 8 nos. as back-up)
	Extent of usage of alternative energy resources	<ul style="list-style-type: none"> ➤ Solar water heating system for the hot water generation and solar power operated street lights. ➤ Solar power plants for the proposed apartment buildings for each block for lighting of common areas. ➤ Appropriate setbacks are proposed in the buildings for getting natural lighting and ventilation to the interior areas of the building.
BIODIVERSITY		
	Presence of any endangered species or red listed category	No
	Loss of native species and genetic diversity	There are some native tree species and different varieties of shrubs, herbs, grass, climbers existing at site. For the development of the proposed project, existing trees, shrubs, herbs, grass & climbers will be cleared.
	Likely displacement of fauna	No
	Any introduction of alien / invasive species	<p>Yes.</p> <p>Invasive species (herb) :-</p> <ul style="list-style-type: none"> ➤ <i>Mikania micrantha Kunth</i>

		➤ <i>Eichhornia crassipes</i> (Mart.) Solms.
SOCIAL ASPECTS		
	Proximity to nearest habitation	The project site is within the Municipal Corporation limits and Several houses located within the 500 m. radius.
	CSR related to the project/allocation/time frame (details mandatory)	➤ To repair and beautify 12 boat jetties in the Ernakulam – Varapuzha water transport route to make it more user friendly, weather protected. ➤ An amount of Rs. 52 Lakhs is reserved for the repair and beautification works of boat jetties ➤ to construct a 2 km. long protection wall in Mulavukadu panchayat. ➤ An amount of Rs. 112 Lakhs is planned to build the 2 km. length protection wall.
GENERAL		
	Eco restoration programmes	Provision for the green area development which includes native species such as medicinal trees, flowering trees, deciduous & evergreen trees, fruit trees, medicinal & domestic use trees, shrubs & grass coverage.
	Sufficiency of parking spaces/traffic management	1,932 Cars + 2,025 Two Wheelers
	Litigation/court cases, if any, against the project (Provide details)	Nil
	Details of Authorised Signatory	Sri. RANJIT THOMAS Regional Head, Kerala, M/s. Puravankara Projects Ltd, G.261, Panampilly Avenue, Kochi, Kerala. 682036.
	Details of NABET approved EIA consultant organisation	M/s Environmental Engineers & Consultants Pvt. Ltd., A1-198, Janak Puri, New Delhi-110058.

2. The proposal was considered in the 29th SEAC meeting held on 2nd and 3rd May 2014. The Committee noticed certain shortcomings/discrepancies in the application submitted by the proponent and hence the item was deferred for site visit and seeking additional clarifications from the proponent for further consideration of the proposal. In the meantime, a subcommittee of SEAC inspected the site on 21st June 2014, and submitted the site inspection report. After considering the IR and the additional clarifications/documents submitted by the proponent, the proposal was placed before SEAC in its 32nd meeting held on 12th and 13th August 2014. The item was deferred seeking NOC from Southern Naval Command regarding the height limit for the construction. The 35th SEAC held on 17-18 Oct. 2014 considered the case and recommended for issuance of EC with the following specific conditions:

- Common entry/exit seen on the eastern side to be at least 10 m wide considering the larger number of dwelling units planned. The entry or exit, must have a minimum width of 7 m. The proponent must provide service road to the entry/exit to avoid direct access to the main road.
- The drive way all around must have a minimum width of 7m with a regulated traffic.
- The concentrated rejects of R.O. Plant must be sufficiently diluted with treated effluent water meant for recycling before it is let out.

3. The matter was examined in the 35th meeting of SEIAA held on 09-04-2015. The Authority resolved as under:

"SEAC in its 35th meeting held on 17/18-9-2014, recommended for grant of E.C subject to three specific conditions, which do not include CRZ clearance though the site is in Marine Drive, Kochi. The meeting decided that the E.C shall be the final step before issue of which all the other statutory permits, consents and clearances shall be obtained. Proponents should obtain all other clearances required before applying for E.C. Site verification is mandatory for all high-rise building projects. The Authority wanted to have the veracity of the statements in item 2 of the Appraisal report on non- CRZ status of the site based on a 1998 judgment of the High Court whereas the extant CRZ notification is of 2011.

Also the Government order from the Local Self Government Department stating that the land assigned to GIDA will not fall within CRZ needs to be verified. The case is referred back to SEAC for further verification of the above aspects and to confirm the non- CRZ status of the land".

On 20.04.2015 the proponent submitted clarifications on the above points, with the documents in support which were placed in the 37th meeting of SEIAA held on 8-5-2015. The meeting thoroughly examined the clarifications furnished and the documents. The case was already with the SEAC for expert opinion on the legal status of the project site. The Authority evaluated that it is not competent to decide on the CRZ issues involved and opined that;

'The Kerala Coastal Zone Management Authority is the legally competent and authorized body to decide upon the issue. To avoid delay, the project proponent may approach the KCZMA directly to seek clearance or clarification. They may also produce copies of the documents submitted on and after 20-4-2015 to SEIAA to the SEAC also, to expedite the report called for. O.M.No.II-83/2005/IA dated 8-2-2011 of MoEF categorically requires recommendation of the KCZMA in such cases. SEAC may be requested to furnish the clarification within four weeks'.

On 11-6-2015 the proponent submitted the certificate numbered 3207/A2/ 15/KCZMA/S&TD dated 9-6-2015 of the KCZMA certifying that;

'the 25 acres of Land (Survey No. 843 Part-D3, D4, and D5) acquired by M/s Puravankara Projects Ltd from Goshree Island Development Authority(GIDA) , Kochi will not attract the provisions of CRZ notification 2011 on the basis of the judgment of Hon'ble High Court of Kerala in C. M.P No. 27519/ 98 in O.P No. 10185 of 1996(K)'

The proponent has informed that they are submitting the CRZ clearance from KCZMA pertaining to the total 25 acres (D3, D4 and D5) land purchased from GIDA, out of which they had applied for E.C for 16.69 acres (D4& D5). The explanation was examined in the 39th meeting of SEIAA held on 18-6-2015, which noted that the application for environmental clearance for the above project received on 20-3-2014 was pending only for want of clarification on applicability of CRZ provisions on the project site as called for in the 35th meeting of SEIAA held on 9-4-2015. The certificate on non-CRZ status issued by the competent authority as called for having been produced, and the report of SEAC not received till then, the case along with the certificate was placed in the said meeting for decision. SEAC in its 35th meeting held on 17/18-9-2014, had recommended for grant of EC to the project subject to three specific conditions, other than CRZ clearance. The KCZMA, the competent statutory authority has unequivocally certified on 9-6-2015 on the strength of an order of the Hon: High Court of Kerala and categorically for the purpose of production before SEIAA that CRZ provisions are not attracted in the project. As the reference to SEIAA in the certificate of the KCZMA implies that it is for the purpose of

decision on environmental clearance on a pending issue related to E.C, and also as the vires of the certificate of KCZMA cannot be overruled by the further clarifications as sought for from SEAC in the 35th meeting of SEIAA held on 9-4-2015, the Authority decided to accept the certificate issued by KCZMA.

4. Accordingly and as recommended for by the SEAC, the Authority decided to grant E.C for the project subject to the specific conditions proposed by SEAC and all general conditions applicable to high rise buildings. However it is seen that on the earlier reference from SEIAA on applicability of CRZ, the SEAC in its 40th meeting held on 27 to 28-5-2015, (minutes of which was received on 23-06-2015) has resolved to direct the proponent to submit building and other plans approved by the competent authority incorporating the following specific conditions recommended by the 35th SEAC meeting, to be incorporated in the E.C to be issued:

1. Common entry/exit seen on the eastern side to be at least 10 m wide considering the larger number of dwelling units planned. The entry or exit must have a minimum width of 7 m. The proponent must provide service road to the entry/exit to avoid direct access to the main road.
2. The drive way all around must have a minimum width of 7m with a regulated traffic.
3. The concentrated rejects of R.O. Plant must be sufficiently diluted with treated effluent water before it is let out.

A new condition as below has also been suggested,

4. *Clearance from the standing committee of NBWL, as the property is situated within 900 mts of the Mangalavanam Bird Sanctuary'.*

5. As regards the requirement of approved building plan, the 39th meeting of SEIAA held on 18-6-2015 has taken the general decision that, in the case of construction projects, insistence of approved building plan is not feasible in so far as production of E.C is necessary for approval of building plan, as per Rule 23 of the Kerala Municipal Building Rules as amended by S.R.O No. 80/2013 dated 5-2-2013. E.C is independent of such permits and clearances. The other three conditions had been recommended as specific conditions by the 35th meeting of SEAC held on 17/18-10-2014 itself and accepted by SEIAA in the 39th meeting. The new condition on clearance from the standing committee of NBWL as required by SEAC in its 40th meeting is governed by O.M No. J-11013/41/2006-IA.II(I) dated 2-12-2009 of MoEF, on the procedure for consideration of proposals for E.C, in such cases of proximity to forest land or wildlife habitats which interalia stipulates as follows;

' 2(i) The proposals for environmental clearance will not be linked with the clearances from forestry and wildlife angle even if it involves forest land and wildlife habitats as these clearances are independent of each other and would in any case be obtained as applicable to such projects before starting any action at site.'

The O.M mandates stipulation of conditions in E.C on prior clearance from forestry and wildlife angle including clearance of the standing committee of the NBWL as applicable. A notice of caution on starting work without the forest related clearances but based only on the E.C issued has also been proposed. [para 2(iii)]. The proposal was again placed in SEAC in its 42nd meeting held on 2-7-2015 for further decision with regard to production of building plan and the condition regarding NBWL. The recommendation of the Committee was as follows:

"in view of the amendment to para (3) of the appendix V of the 2006 notification issued vide S.O- 3007 dtd. 01.12.2009 the Committee reviewed its decision taken in its 40th meeting. During the course, the Committee noted the observation of SEIAA in its 35th meeting which reads:

SEAC in its 35th meeting held on 17/18-9-2014, recommended for grant of EC subject to three specific conditions, which do not include CRZ clearance though the site is in Marine Drive, Kochi. The meeting decided that the E.C shall be the

final step before issue of which all the other statutory permits, consents and clearances shall be obtained. Proponents should obtain all other clearances required before applying for E.C. Site verification is mandatory for all high-rise building projects. The Authority wanted to have the veracity of the statements in item 2 of the Appraisal report on non- CRZ status of the site based on a 1998 judgment of the High Court where as the extant CRZ notification is of 2011.

Also the Government order from The Local Self Government Department stating that the land assigned to GCDA will not fall within CRZ needs to be verified. The case is referred back to SEAC for further verification of the above aspects and to confirm the non- CRZ status of the land"

The Committee is of the view that the above observation of SEIAA is not in consonance with the provisions contained in para 8(V) of 2006 notification of MoEF which states that;

'Clearances from other regulatory bodies or authorities shall not be required prior to receipt of applications for prior environmental clearance of projects or activities, or screening, or scoping, or appraisal, or decision by the regulatory authority concerned, unless any of these is sequentially dependent on such clearance either due to a requirement of law, or for necessary technical reasons'.

With regard to the site inspection it is left to SEAC to decide whether a site inspection is essential for proper appraisal of a proposal as is detailed in 7 stage (2) scoping of 2006 EIA notification 14.09.2006 which further states that

'..... a site visit by a sub- group of Expert Appraisal Committee or State level Expert Appraisal Committee concerned only if considered necessary by the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned, Terms of Reference suggested by the applicant if furnished and other information that may be available with the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned

In the case of CRZ area, as per the Para4(d) of the CRZ notification on 6.01.11 prior recommendations of the CZMA is required for according EC.

With respect to the veracity of the exemption of the land of the applicant from CRZ notification 2011, it is observed from the file that Member Secretary (i/c) KCZMA has already clarified the issue to the Member Secretary, SEIAA vide Letter No. 3207/A2/15/ KCZMA/S&TD dated 9/06/2015 and in such cases KCZMA is the final authority to advise regarding the applicability of CRZ notification to a particular area.

Further the Committee observed that the proponent has stated in Form I that the project site is located within 1 KM radius from Mangalavanam Bird Sanctuary which is a notified Protected Area under Wildlife Protection Act, 1972. In such cases the procedure to be adopted are detailed in OM dt 02.12.2009 amended on 03.03.2015. As per the amended OM, the procedure to be adopted is that the project proponent should submit a copy of the application submitted for wildlife clearance with all its enclosure, along with the environment clearance application. The proponent has not done so.

Considering all the aspects, the Committee decided to recommend to issue E.C. as decided in its 35th meeting of SEAC subject to following special conditions on production of the copy of application preferred for seeking Wildlife Clearance from the Standing Committee of NB WL.

1. The access, parking facility, and setbacks shall be in accordance with the National Building Code.

2. The concentrated rejects of R.O. Plant must be sufficiently diluted with treated effluent water meant for recycling before it is let out.
3. Adequate precautions for disaster management should be inbuilt in the plan.
4. Carbon foot print of the project should be reduced to the maximum extent possible.

The proponent has submitted copy of the application dtd. 22.07.2015 for clearance from NBWL on 23.07.2015, whereby the recommendation of SEAC could be considered by SEIAA for decision. As for the findings of the SEAC on non-requirement of CRZ recommendation of the KCZMA for issue of integrated clearance, the CRZ notification S.O 19 (E) dated 6-1-2011 in Rule 4.2 (ii) stipulates that for projects attracting EIA notification 2006, the concerned CZMA shall examine the documents in accordance with the approved CZMP and in compliance with the CRZ notification and make recommendations within a period of 60 days from the date of receipt of completed application to the State Environment Impact Assessment Authority. As per Rule 4.2 (iii) SEIAA shall consider such projects for clearance based on the recommendation of the concerned CZMA within a period of 60 days. This position has been further clarified in O.M. No. 11-83/2005 -IA-III dated 8-2- 2011 of the MoEF. However the Committee itself has in the same minutes stated that '*In the case of CRZ area, as per the Para4 (d) of the CRZ notification on 6.01.11 prior recommendations of the CZMA is required for according EC*'. KCZMA has since recommended the case for grant of E.C stating that CRZ provisions are inapplicable as per judgments of the High Court of Kerala.

6. What the Authority has resolved in the 35th meeting held on 9-4-2015 was to have the veracity of the statement in Item No.2 of the appraisal report on non-CRZ status of the site based on a 1998 judgment of the High Court, whereas the extant CRZ notification is of 2011. The Authority therefore decided to refer the matter to KCZMA for confirmation whether the site is outside the CRZ in the CZ map of the area as per CRZ notification 2011. If the map is not available, KCZMA may confirm that the site is still outside CRZ as per the existing rules as applicable. As per letter No. 6336/A2/15/S&TD/ KCZMA dated 1-12-2015 the Member Secretary (i/c) informed that '*the land acquired by M/s Puravankara Projects Ltd. From Goshree Island Development Authority (GIDA), Kochi would not attract the provisions of CRZ notification as per Hon'ble High Court of Kerala order CMPNo. 27517/98 dated 9-10-1998 and therefore cannot be treated as reclamation area as per CRZ notifications*'. KCZMA has further clarified the CRZ status of the site unequivocally that the project site would not attract the provisions of CRZ notification, to the pointed query of the Authority whether the site is still outside CRZ as per the existing rules as applicable. The Hon: High Court of Kerala in the Judgment dated 8-12-2014 in W.P No. 27248/2012 filed by Sri. Antony A.V, challenging the building permit given to M/s DLF Universal at Chilavannur , Kochi, where CRZ applies, has held that;

'The SEIAA which was constituted under the EIA notification of 2006 has not been authorized to issue CRZ clearance. It is crucial to note that EIA notification is silent regarding this aspect.'

The consistent stand taken by the authority in similar litigations challenging the integrated E.C granted for construction projects was that the CRZ part is concerning the KCZMA and that the Authority has no role whatever therein. The recommendations of KCZMA on CRZ clearance have been incorporated the integrated E.C as such. . In this case, the 37th meeting of SEIAA held on 8-5-2015 the Authority evaluated that it is **not competent** to decide on the CRZ issues involved and that the Kerala Coastal Zone Management Authority is the legally competent and authorized body to decide upon the issue. The KCZMA, the competent statutory authority has unequivocally certified on 9-6-2015 on the strength of an order of the Hon: High Court of Kerala and categorically for the purpose of production before SEIAA that CRZ provisions are not attracted in the project. The 42nd meeting of SEAC held on 2nd July 2015 has observed that, '*in such cases KCZMA is the final authority to advice regarding the applicability of CRZ notification to a particular area*'.

7. The competent authority having certified and further clarified that the project site does not attract the provisions of the CRZ notifications, and hence CRZ clearance not required, the SEIAA in its 46th meeting held on 14-12-2015 decided to grant E.C incorporating the reports of the KCZMA, the specific conditions recommended by SEAC in its 35th meeting as modified by the 40th and 42nd meetings and with the usual green conditions and general conditions for construction of the residential project ("Marine View at Marine Drive") at Plot No. D4 & D5 in Sy. No. 843 pt. at Ernakulam Village, Kochi Municipal Corporation, Kanayannur Taluk, Ernakulam District, by M/s Puravankara Projects Ltd.

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 water bodies.
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- bio degradables 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.

8. As per the reference read as 6th paper above the KCZMA has certified that the 25 acres of land (survey No. 843 part-D3, D4, & D5) acquired by M/s Puravankara Projects Ltd. From Goshree Island development Authority (GIDA), Kochi will not attract the provisions of CRZ notification 2011 on the basis of the judgment of the Hon'ble High Court of Kerala in CMP. No. 27519/98 in OP. No. 10185 /1996(K). As per the letter 11th cited it has been further clarified that the land acquired by M/s Puravankara Projects Ltd from Goshree Island Development Authority (GIDA), Kochi would not attract the provisions of CRZ notification as per the Hon. High Court of Kerala order CMP.NO. 27517/98 dated 9-10-1998 and therefore cannot be treated as a reclamation area as per CRZ notifications.

9. Environmental Clearance as per the EIA notification 2006 is hereby accorded for the proposed Residential Apartment project ("Marine View at Marine Drive") at Plot No. D4 & D5 in Sy. No. 843 pt. at Ernakulam Village, Kochi Municipal Corporation, Kanayannur Taluk, Ernakulam District, by M/s Puravankara Projects Limited, Kochi Corporation, Kanayannur Taluk, Ernakulam District, subject to the four specific conditions in para 5 and green building and other conditions in para 7 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 table in para 1 above and specifically in Chapters 5 and 8 of the EIA/EMP report. These and the assurances and clarifications given by the proponent in the application and related documents will be deemed to be 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.

10. Validity of this environmental clearance will be seven years from 14-12-2015, subject to earlier review in the event of non-compliance or violation of any of the conditions stipulated herein, or genuine complaints against the project.

11. 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, Ernakulam to take legal action under the Environment (Protection) Act 1986.

12. The given address for correspondence with the authorised signatory of the project is "Sri. Ranjit Thomas, Regional Head, Kerala, M/s. Puravankara Projects Ltd, G.261, Panampilly Avenue, Kochi, Kerala. 682036".

Sd/
P. MARA PANDIYAN, I.A.S,
Member Secretary (SEIAA)
&
Additional Chief Secretary,
Environment & Forests Department.
Government of Kerala.

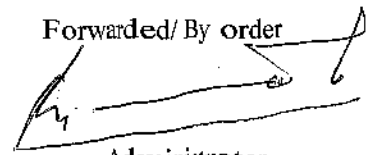
To,

Sri. RANJIT THOMAS
Regional Head, Kerala,
M/s. Puravankara Projects Ltd,
G.261, Panampilly Avenue,
Kochi,
Kerala. 682036.

Copy to,

1. The Member Secretary,
Kerala Coastal Zone Management Authority,
Sasthra Bhavan, Pattom,
Thiruvananthapuram-4.
2. The District Collector, Ernakulam
3. Tahsildar, Kanayannur Taluk, Ernakulam
4. Secretary, Corporation of Kochi, Ernakulam.
5. The District Town Planner, Ernakulam
6. Director, Department of Environment & Climate Change. .
7. Principal Secretary, Environment Department,
Government of Kerala.
8. Principal Secretary, Local Self Government Department,
Government of Kerala.
9. Member Secretary, Kerala State Pollution Control Board, Pattom,
Thiruvananthapuram - 4
10. 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 **(both in hard copies as well as by e-mail)** 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.

