

V.HARIDASS, M.E.,(PH)  
MEMBER



STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY,  
TAMILNADU,  
3rd Floor, PanagalMaaligai,  
No.1 Jeenis Road, Saidapet,  
Chennai-15.

**Letter No. SEIAA/TN/F.220/EC/ 8(a)/159/2009 dt: 02.05.2013.**

To

The Managing Director,  
M/s K.G. Foundations Pvt. Ltd.,  
Ground Floor, 5, Bishop Waller Avenu (East),  
Mylapore,  
Chennai – 600 004

Sir,

**Sub: SEIAA, TN - Environmental Clearance - Proposed construction of Residential Complex - M/s KG Foundations Pvt. Ltd., S.F No 376/2, 376/3 & 377/1 of Mavalurkuppam, B.Palanchur village, Poonamallee Taluk, Thiruvallur District – Issued – Regarding**

This has reference to your application dated 25.03.2009 submitted to the State Level Environment Impact Assessment Authority, Tamil Nadu seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006, as amended.

It is noted, interalia that the project proposal involves to construct 16 Blocks - Block A – S+4 Floors – 34 units, Block B – S+4 Floors – 36 units, Block C – S+4 Floors – 36 units, Block D – S+4 Floors – 36 units, Block E – S+4 Floors – 64 units, Block F – S+4 Floors – 40 units – LIG Area, Block G – S+4 Floors – 24 units - LIG Area, Block H – S+4 Floors – 44 units - LIG Area, Block I – S+4 Floors – 32 units, Block J – S+4 Floors – 24 units, Block K – S+4 Floors – 24 units, Block L – S+4 Floors – 24 units, Block M – S+4 Floors – 54 units, Block N – S+4 Floors – 56 units, Block O – S+4 Floors – 56 units, Block P – S+4 Floors – 56 units & Club House – GF + IF + IIF (PA). Total number of occupants is 3200. Total No. of dwelling units – 640. The area of the plot is 29056.00 m<sup>2</sup> and the built up area is 43506.12 m<sup>2</sup>. The parking area as per

report is 12940.00m<sup>2</sup> and green belt area is 4796.00 m<sup>2</sup> (Site Green Belt area – 1920.00 sq.m + OSR area – 2876.00 sq.m).

Daily fresh water requirement for the project will be 288 KLD, which will be met from the Chembarapakkam Panchayat source for the domestic purposes. The sewage generated after treatment will be 330 KLD out of which 144 KLD will be recycled for flushing, 07 KLD will be utilized for gardening & 179 KLD will be disposed through local panchayat for avenue plantation & green belt development as committed.

Solid Waste generation has been projected as 1.636 MT/day out of which 0.654 MT/day of Biodegradable waste will be disposed by vermin-composting and used as manure for gardening, 0.982 MT/day of Non-Biodegradable / recyclable waste will be handed over to authorized recyclers and the Organic sludge generation from STP of 60 Kg/day will be used as manure for gardening as reported.

The power required will be of 3.8 MVA with backup power of 250 KVA: 2 nos. with stack height 3 m from roof level each.

The total cost of the project is about Rs. 46 Crores.

It is noted that construction were carried out prior to the clearance. As per the 4(ii) of OM No.J-11013/41/2006-IA.II (I) dated 16.11.2010, the proponent has submitted Board Resolution to the effect that such violation will not repeated in future. Further as per 4 (iii) of the above OM, the Principal Secretary, Environment & Forests, Government of Tamil Nadu has been addressed to take necessary action against the violation under Environmental (Protection) Act, 1986.

The project activity is covered in 8(a) of the Schedule and is of 'B2' category. It does not require Public Consultation as per Para 7(i) III Stage (3) (d) 'Public Consultation' of EIA Notification, 2006. Based on the application made in Form-1, Form-IA, Conceptual plan, Annexures, and the additional clarifications furnished by the proponent, the SEAC in the 12<sup>th</sup> meeting held on 29<sup>th</sup> & 30<sup>th</sup> June, 2009 and SEAC decided to call certain details. The details asked were submitted by the proponent to SEAC vide letter dated 06.08.09. The project was again appraised during the 13<sup>th</sup> meeting held on 28<sup>th</sup> August, 2009 and SEAC recommended the project proposal for grant of EC to SEIAA after obtaining certain details. The details asked were submitted by the proponent to SEAC vide letter dt. 02.12.2009. The project was again appraised during the 15<sup>th</sup>

meeting held on 8<sup>th</sup> & 9<sup>th</sup> December, 2009 and SEAC not recommended the project proposal for grant of EC and called for certain details. The details asked were submitted by the proponent to SEAC vide letter dt. 14.05.2010. The project was again appraised during the 22<sup>nd</sup> meeting held on 24<sup>th</sup> December, 2010 and SEAC recommended the project proposal for grant of EC to SEIAA after obtaining certain details. The details asked were submitted by the proponent to SEAC vide letter dt. 18.02.2011. The Authority requested the proponent to furnish certain additional details vide letter dated 10.08.12 and the proponent furnished the same vide letter dated 29.11.12. The proposal was considered by the SEIAA, Tamil Nadu vide Item No.70-03 in its meeting held on 25.04.2013 and the proposal was discussed in detail and decided to issue EC. Accordingly, the SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 as amended, with validity for five years from the date of issue of EC, subject to the condition that and strict compliance of the terms and conditions stipulated below:

### **SPECIFIC CONDITIONS**

#### **Construction Phase**

- i) "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.
- ii) The entire water requirement during construction phase shall be met from Private tankers as committed.
- iii) The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
- iv) The approval of the competent authority shall be obtained for structure safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightening etc.
- v) All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.

- vi) A First Aid Room shall be provided in the project site during the entire construction phase of the project.
- vii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- viii) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
- ix) The solid waste in the form of excavated earth excluding the top soil generated from the project activity shall be scientifically utilized for construction of approach roads and peripheral roads, as reported.
- x) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
- xi) Disposal of other construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people.
- xii) Construction spoils, including bituminous materials and other hazardous materials, must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/ lake/ stream etc.
- xiii) Low Sulphur Diesel shall be used for the operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.
- xiv) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- xv) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental

pollution loads on the ambient air and noise quality should be closely monitored during the construction phase.

- xvi) Fly- Ash bricks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 as amended.
- xvii) Ready mix concrete of high quality should be used in building construction and necessary cub-tests should be conducted to ascertain their quality.
- xviii) Storm water control and its re-use shall be as per CGWB and BIS standards for various applications.
- xix) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- xx) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.
- xxi) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.
- xxii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.
- xxiii) Adequate measures to reduce air and noise pollution during construction shall be adopted, conforming to norms prescribed by the TNPCB on noise limits.
- xxiv) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.
- xxv) The Project proponent is requested to indicate the probable date of commissioning of the project supported with necessary bar charts.
- xxvi) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.
- xxvii) Proper approach road for fire-fighting vehicles and for rescue operations in the event of emergency shall be made.

- xxviii) Design of buildings should be in conformity with the Seismic Zone Classifications.
- xxix) All ECBC norms have to be adopted.
- xxx) The proponent should also ensure to keep necessary road width as per O.M. dated 7.2.12 of MOEF, GOI, New Delhi with respect to high rise buildings.
- xxxi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- xxxii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

#### Operation Phase

- i) The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage disposal, solid waste disposal and environmental monitoring for a period of minimum 10 years.
- ii) The entire water requirement during operation phase shall be met from Chembarapakkam Panchayat as per the permission obtained before handing over of flats to the allottees, as committed scientifically throughout the period of operation.
- iii) The Proponent as committed shall utilize 114 KLD of treated sewage for flushing, 07 KLD for gardening & 179 KLD will be disposed for the development of green belt & avenue trees through local panchayat scientifically throughout the period of operation and ensure that the treated effluent shall not pollute ground water.
- iv) The proponent shall ensure that storm water drain provided at the project site shall be maintained without choking or causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the

adjacent public. Adequate harvesting of the storm water should also be ensured.

- v) The proponent should also ensure that necessary trenches for openings shall be provided at periodic intervals along the compound wall, so as to let out the storm water during rainy season, without stagnation / ponding.
- vi) The proponent shall ensure that rain water collected from the covered roof of the buildings, etc shall be scientifically harvested so as to ensure the maximum beneficiation of rain water harvesting.
- vii) Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.
- viii) The proponent shall issue plans showing Separate pipelines marked with different colour with the following details
  - i. Location of STP, compost system, underground sewer line.
  - ii. Pipe Line conveying the treated effluent for green belt development.
  - iii. Pipe Line conveying the treated effluent for toilet flushing
  - iv. Water supply pipeline
  - v. Gas supply pipe line if proposed
  - vi. Telephone cable
  - vii. Power cable
  - viii. Storm water drain
  - ix. Rain water harvesting system

to all the allottees/owners while executing the allotment order/sale deed.

- ix) The Biodegradable solid waste, Non - Biodegradable solid waste and STP sludge generated from the project activity shall be properly collected, segregated and disposed as committed, and as per the provision of Solid Waste (Management and Handling) Rules, 2000.
- x) To facilitate easy disposal and making the solid waste disposal less laborious, chute shall be provided in each floor with a collection bin (wheeled bins with top lid arrangement) in the bottom of the chute to

- be kept in the ground floor level which the bins shall be transferred to the solid waste disposal area identified within the facility.
- xi) A First Aid Room shall be provided during operation of the project, with necessary equipments and life- saving medicines.
  - xii) The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2011.
  - xiii) Installation and operation of DG set, if any, shall comply with the notified standards and the guidelines of CPCB.
  - xiv) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from the Chief Controller of Explosives shall be taken.
  - xv) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, etc. and the noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
  - xvi) The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of suitable variety.
  - xvii) Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.
  - xviii) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrids system or fully solar system for a portion of the apartments shall be provided.
  - xix) Traffic congestion near the entry and exit points from the roads adjoining the proposed projects site shall be avoided. Parking shall be fully internalized and no public space should be utilized.
  - xx) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.



- xxi) The Proponent shall install STP 3 nos. of units consists each of bar screen chamber, equalization tank, Aeration tank + Diffusers, Clarifier, Sludge digestion tank, Partially treated Water Tank, Pressure Sand filter, Activated Carbon filter, UV disinfection system and treated collection tank as committed (Capacity of 135 KLD, 130KLD & 125 KLD) and operated continuously to achieve the standards prescribed by the Tamil Nadu Pollution Control Board.
- xxii) It is the sole responsibility of the proponent to dispose 179 KLD of treated sewage to local panchayat for avenue plantation & green belt development throughout the period of operation as committed.
- xxiii) It is the sole responsibility of the proponent that the treated sewage water disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc.
- xxiv) No construction activity of any kind shall be taken up in the OSR area. Consent of the local body concerned should be obtained for using the secondary treated sewage in the OSR area.
- xxv) Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous Wastes (Management, Handling, Transboundary Movement) Rules 2008. Spent oil from D.G sets should be disposed off through registered recyclers.
- xxvi) The e-waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2011.
- xxvii) A terrace garden area should be developed in the Roof Top Area has to be maintained continuously by the proponent.

### GENERAL CONDITIONS

- i) The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
- ii) It is mandatory for the Project proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.

- iii) In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained.
- iv) A copy of the clearance letter shall be sent by the proponent to the Commissioner of Corporation/ municipalities/ executive officers of town panchayat / Block development officers of panchayat union whichever is applicable and the Local NGO, if any, from whom suggestions /representations, if any, have been received while processing the proposal. The clearance letter shall also be put on the website of the Proponent.
- v) The SEIAA reserves the right to add additional safeguard measures subsequently, if non compliance of EC conditions are found and to take action, including revoking of this Environmental Clearance as the case may be.
- vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
- vii) The project authorities should advertise with basic details at least in two local newspaper widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN and a copy of the same should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Bangalore.
- viii) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that Construction of the project has been started without obtaining Environmental Clearance, and for any other action resulting in violation of any condition stipulated in the Environmental Clearance.
- ix) The proponent shall 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

Regional Office of MoEF, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the TNPCB. 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.

- x) A copy of the Environmental clearance (EC) letter shall be issued to all the allottees /owners while executing the allotment order / sale deed/ before handing over of the building to allottees.
- xi) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Bangalore.
- xiii) The Regional Office of the Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- xiv) The project proponent shall submit six - monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bangalore, the respective Zonal Office of Central Pollution Control Board, SEIAA, TN and the State Pollution Control Board.
- xv) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board 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 environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bangalore by e-mail.

xvi) The Environmental Clearance does not absolve the applicant/proponent

- of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
- xvii) This Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
- xviii) The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
- xix) The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
- xx) Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- xxi) The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
- xxii) Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Copy to:-

1. The Principal Secretary to Government, Environment & Forests Dept,  
Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan,  
CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board,  
76, Mount Salai, Guindy, Chennai-600 032.
4. The CCF, Regional Office, Ministry of Environment & Forest (SZ),  
Kendriya Sadan, IV floor, E&F wings, 17<sup>th</sup> Main Road,  
Koramangala II Block, Bangalore - 560034.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,  
Paryavaran Bhavan, CGO Complex, New Delhi 110003.
6. Stock File.



