

DR. H.MALLESHAPPA,I.F.S.,
MEMBER SECRETARY



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

Letter No. SEIAA/TN/F.337/EC/ 8(a)/133/2010 dt: 22 .03.2013.

To

The Director,
M/s. Prince Foundations Limited,
59, Ormes Road, Kilpauk,
Chennai – 600 010.

Sir,

Sub: SEIAA, TN - Environmental Clearance - Proposed construction of Residential Apartment - M/s. Prince Foundations Limited – “PRINCE HIGHLANDS”, S.F.No. 135/3, 4, 136/2B, 137, 139/2, 140/1,2A, 2B, 3, 141/1, 2, 3, 142, 143/1, 2,148/2 & 149, Ayyapanthangal village, Sriperumpudur Taluk, Kancheepuram District – Issued – Regarding

This has reference to your application dated 16.04.2010 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 6 blocks: Block 1: B + S + 12 Floors, Block 2: B + S + 13 Floors, Block 3: B + S + 12 Floors, Block 4: B + S + 12 Floors, Block 5: B+ S + 13 Floors, Block 6: B+ S + 13 Floors, commercial area – G +1 & Club house. Total number of dwellings – 802. Total number of occupants is 4970. The area of the plot is 22,358.02 m² and the built up area is 1, 06,396.00 m². The open parking area as per report is 4775.67 m² and green belt area is 5813.1 m² (site green belt area – 3577.10 sq.m + OSR area – 2236.00 sq.m).

Total water requirement for the project will be 602 KLD, out of which 368 KLD of fresh water will be used for domestic purposes which will be met from the ground water source. The sewage generated after treatment will be 507 KLD out of which 204 KLD will be recycled for flushing, 20 KLD will be utilized for gardening & 257 KLD sewage treated water will be stored in water sump and disposed through Ayyapanthangal Panchayat green development provisions.

Solid Waste generation has been projected as 2.77 MT/day out of which 1.85 MT/day of Biodegradable waste will be treated through 2 TPD Bio Methanation plant with gas utilization for power generation and producing organic manure about 200-250 Kg/day and the 0.92 MT/day of Non-Biodegradable / recyclable waste will be sold to the authorized recyclers and local body as per the nature of wastes. The Organic sludge generation of 70.2 Kgs/day will be used as manure for gardening as reported.

The power required will be of 7881 KVA with backup power of 500 KVA DG sets: 4 nos. with individual stack of height 50m from GL will be provided.

The total cost of the project is about Rs. 181, 94, 28,750.00.

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 vide Item No. 28.02 in its 28th meeting conducted on 28th September, 2012 and SEAC decided to call certain details. The details asked were submitted by the proponent to SEAC vide letter dated 07.11.12. The project was again appraised by SEAC vide Item No. 34.25 during the 34th meeting held on 10th January, 2013 and deferred the matter for next meeting. The project was again appraised by SEAC vide Item No. 35.03 during the 35th meeting held on 24th January, 2013 and recommended to the SEIAA, Tamil Nadu to grant Environmental Clearance to this project after obtaining

certain details. The details asked were submitted by the proponent to SEIAA vide letter dated 27.02.13. The proposal was considered by the SEIAA, Tamil Nadu vide Item No ⁶⁵⁻³⁷ in its meeting held on 15.03.2013 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 14th 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 requirement of water supply during construction phase shall be met from Authorized Private Suppliers using 6 KLD tankers as committed.
- iii) All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.
- iv) A First Aid Room shall be provided in the project site during the entire construction phase of the project.
- v) 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.
- vi) 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.
- vii) The solid waste in the form of excavated earth excluding the top soil generated from the project activity shall be scientifically utilized for approach road and peripheral roads constructions as reported.

- viii) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
- ix) Disposal of other construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed of only in approved sites with the approval of competent authority with necessary precautions for general safety and health aspects of people.
- x) 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.
- xi) Low Sulphur Diesel shall be used for the 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.
- xii) 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.
- xiii) Ambient air and noise level 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 construction phase.
- xiv) 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.
- xv) Ready mix concrete should be used in building construction.
- xvi) Storm water control and its re-use shall be as per CGWB and BIS standards for various applications.
- xvii) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- xviii) 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.

- xix) 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 in windows shall be used.
- xx) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- xxi) Adequate measures to reduce air and noise pollution during construction shall be adopted, conforming to norms prescribed by the TNPCB on noise limits.
- xxii) 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 requirement.
- xxiii) The Project proponent is requested to indicate the probable date of commissioning of the project supported with necessary bar charts.
- xxiv) Adequate fire protection equipments and rescue arrangements should be made.
- xxv) Proper approach road for fire fighting vehicles and for rescue operations in the event of emergency shall be made.
- xxvi) Design of buildings should be in conformity with the Seismic Zone Classification.
- xxvii) All ECBC norms to be adopted.
- xxviii) 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.

Operation Phase

- i) The Proponent should be the responsible for the maintenance of common facilities including greening, rain water harvesting, sewage disposal, solid waste disposal and environmental monitoring for a period of 10 years.
- ii) The Proponent shall obtain required permission from the competent Authority for drawal of ground water before handing over of houses to the customers.

- iii) The Proponent as committed shall disposal the excess treated sewage through Ayyapanthangal Panchayat Provisions scientifically throughout the period of operation.
- iv) The proponent shall ensure that storm water drain provided at project site shall be maintained without chocking for stagnation and should also ensure that the storm water shall be properly disposed in the natural drainage / channels without disrupting the adjacent public.
- 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.
- 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. Strom water drain
 - ix. Rain water harvesting system

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

- ix) The solid waste generated from the project activity shall be treated and utilized / disposed off as committed, and as per the prescribed method of collection and segregation at source etc.
- x) A First Aid Room shall be provided during operation of the project, with necessary equipments and life- saving medicines.
- xi) The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2011.
- xii) 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.
- xiii) 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.
- xiv) Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.
- xv) 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.
- xvi) 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.
- xvii) 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.
- xviii) The Proponent shall install STP with the following units Bar Screen Chamber, Equalisation tank, Aeration tank, Secondary clarifier, Alum Doser, clarified water tank, mechanical filter press, pressure sand filter, Activated filter press, UV sterilizer, treated water tank as

committed (Capacity of 550 KLD) and operated continuously to achieve the standards prescribed by the Tamil Nadu Pollution Control Board.

- xix) No construction activity of any kind shall be taken up in the OSR area.
- xx) 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.
- xxi) The e waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2011.
- xxii) Installation of chute for each block for the disposal of solid waste from each apartment directly to the common solid waste treatment plant.
- xxiii) A terrace garden with a possible space available the basic requirements, for an estimated area of about 1991.65 sq.m. (40% of roof top area) shall be developed and maintained continuously by the proponent as committed.

GENERAL CONDITIONS

- i) It is mandatory for the Project proponent to furnish to the SEIAA, Half yearly compliance report in Hard and Soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.
- ii) In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained.
- iii) The SEIAA reserves the right to add additional safeguard measures subsequently, if found non compliance of EC conditions and to take action including revoking of this Environmental Clearance as the case may be.
- iv) 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 competent authorities.

- v) 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 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 this Ministry located at Bangalore.
- vi) 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, and for action for any violation of any condition stipulated in the Environmental Clearance.
- vii) 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, SO₂, NO_x (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.
- viii) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Corporation of Chennai 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.
- ix) 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.

- x) 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.
- xi) 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.
- xii) 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.
- xiii) 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.
- xiv) 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.
- xv) 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.
- xvi) The environmental statement for each financial year ending 31st 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.
- 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

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.

MLK 25/12/13
**MEMBER SECRETARY,
SEIAA - TN**

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, 17th 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. The President, Ayyapanthangal Panchayat, 2/ 505, Mettu Street, Agravaram, Ayyapanthangal, Chennai District.
7. Stock File.

MLK
**MEMBER SECRETARY,
SEIAA - TN**