

Proceedings of the State Environment Impact Assessment Authority Kerala
 Present: Prof. (Dr.) K.P. Joy, Chairman; Dr. J. Subhashini, Member; Dr. Nivedita P Haran IAS, Member
 Secretary & Additional Chief Secretary to Government (Environment Department)

Sub: SEIAA Kerala -Proposed housing project of M/s Desai Homes (DD Diamond Valley Project) at Kakkanad Village Thrikkakkara Municipality, Kanayannoor Taluk, Ernakulam - Environmental Clearance - Accorded

Environmental Clearance

No. 185/SEIAA/05/2014

dated, Thiruvananthapuram 01.10.2014

- Ref:- 1. Application dated 31.12.2013 submitted by Sri M.J Sobachan, General Manager, M/s Desai Homes 40/7669, 1st Floor, DD Vastra Mahal, Market Road, Ernakulam, 682011
2. Minutes of the 25th meeting of SEAC held on 14/15.02.2014
3. Minutes of the 30th meeting of SEAC held on 6/7.06.2014
4. Minutes of the 33rd meeting of SEIAA held on 24.09.2014

ORDER

Sri M.J Sobachan, General Manager, M/s Desai Homes, Builders & Real Estate Developers, 40/7669, 1st Floor DD Vastra Mahal, Market Road, Ernakulam, Cochin 682 011, Kerala submitted the application referred to above, for construction of a residential project DD Diamond valley in Survey No. 368, Kakkanad, Thrikkakkara Municipality, Kanayannoor Taluk, Ernakulam District. The application was received on 01.01.2014. Data regarding the project and environmental impact mitigation measures proposed to be adopted as furnished by the proponent are as under :

Name of project	Housing project of M/s Desai Homes Builders & Real Estate Developers in Sy. No. 368 at Kakkanad Village, Kanayannur Taluk, Ernakulam District, Kerala
Nature size and location of the project	Housing project in Sy. No. 368 at Kakkanad Village, Kanayannur Taluk, Ernakulam District, Kerala between 10 ⁰ 01' 16.22" to 10 ⁰ 01' 09.80" N and 76 ⁰ 22' 34.08" to 76 ⁰ 22' 27.02" E
Screening of the project	Category B; 8 (a)
Scoping of the project	B2
Project details	It is proposed construct 3 residential building blocks along with recreational block with first aid facility within the site. The max. floor of the building is with Ground +17 floors. The proposed project which involves 3 blocks & recreational block with 459 apartments. The total plot area of the proposed project is 1.9734 hectare (19,734.38 m ²) and the total built-up area is 56,919.45 m ² . The maximum height of building is 51.75m.
Total Plot Area	1.9734 ha. (19,734.38 sq. m.)
Total Built-Up Area	56,919.45 sq. m.
Vacant area/Open to sky	15,398.88 sq.m
New /Expansion/ Modernization	New
Energy requirement	2200 kw
Quantification of energy saved	About 24%

Renewable energy devices used	Solar water heaters Solar power plant Solar operators street lights
<u>Water consumption</u>	
Consumption phase	62 KLD - from stored rain water, well water and treated water from STP
Operation Phase	320.175 - from roof rain water, stored rain water, well water (Non fleshing req. and treated waste water from STP (fleshing req.)
<u>Waste Management proposals</u>	
1. Solid waste	80 kg/day during construction phase .It will be 918 kg/day which will be collected separately as Bio - degradable and non Bio degradable as per the MSW rules 2000. Non Bio degradable and recyclable is would be sold to the vendors. Bio - degradable waste with sludge from STP would be sent to be Bio Gas plant of capacity 500 kg/day to be provided within the premises.
2. Liquid Waste	Sewage generation 256.14 KL/day. Sewage disposal facility - Sewage Treatment Plant recycling. Treated water of 230.526 KL/day will be available. Sewage will be disposed off through proposed Sewage Treatment Plant to be developed within the premises both during construction and operational phase. There is no chance of spillage or discharge of sewage and all the sewage will be channelized properly through closed pipes to the STP. The sewage after treatment will be utilized for flushing & horticulture purposes.
3. E- Waste	E -wastes shall be stored in an earmarked and covered area and disposed of as per e-wastes (Management & Handling) Rules, 2012.
4. Any Other waste	Hazards waste ie. used oil from DG sets, discarded oil filters and discarded batteries shall be stored separately to be disposed of through CPCB/SP authorized vendors .
Emissions from combustion of fossil fuels from stationary or mobile sources	The operation of proposed project does not envisage any major air pollutant generating sources except D.G. sets and vehicular movement during construction phase and operation phase. It is proposed to have a D.G set of 62.5 KVA x 2 nos. during operation phase.
Dust or odours from handling of materials including construction materials, sewage and waste	During construction phase dust will be generated during the handling of construction materials. Sprinklers for suppression of dust will be installed during construction phase to minimize the dust generation. Wind breakers (ie. Barricades with GI sheets) at all vulnerable sides (all along the nearby houses) or locations or using shade nets will be used for dust control.
Total cost of the project	75.70 corers

