



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment and Forests, Government of India
O.O Punjab Pollution Control Board
Vatavaran Bhawan, Nabha Road
Patiala - 147 001
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No. SEIAA/ 2561

REGISTERED

Date: 10.6.16

To

M/s. Ambika Realcon Private Limited,
SCO 64-65, 2nd Floor, Sector-17A
Chandigarh-160017

Subject: Environmental clearance granted under EIA notification dated 14.09.2006 for the construction of group housing project namely "Ambika City" in the revenue estate of Village Dhodhe Majra, New Chandigarh, Distt. SAS Nagar (Mohali), Punjab by M/s. Ambika Realcon Private Limited. (Proposal no. SIA/PB/NCP/51872/2016)

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the construction of group housing project namely "Ambika City" in the revenue estate of Village Dhodhe Majra, New Chandigarh, Distt. SAS Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, conceptual plan and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves construction of group housing project namely "Ambika City" in the revenue estate of Village Dhodhe Majra, New Chandigarh, Distt. SAS Nagar. The total land area of the project is 42,334.161 sq.m. (or 10.46 acres) and the total built up area of the Group Housing Project is 1,46,613.16 sq.m.. The Project (comprising of residential and commercial) is in the approved Master Plan of New Chandigarh (Mullanpur) and it falls in Mixed Land Use Zone. Residential project has been planned to be developed initially while, commercial part will be developed in future phase for which Environmental Clearance will be obtained later on. The residential part of project consists of 8 Residential Towers and one Community Building. The project proponent submitted the change of land use issued by Deptt. of Town & Country Planning, Punjab vide Memo no. 96-CTP(PB)SP-432(m) dated 07.01.2016. The total cost of project is Rs. 210.13 Crores.

The total design population of the project will be 4527 persons out of which residential population will be 4465 persons and community building population will be 62 persons. The total water requirement for the project will be 896 KL/day, out of which 695 KL/day will be met through GMADA & borewells and remaining 201 KL/day will be met through recycling of treated wastewater. The total wastewater generation from the project will be 717 KL/day, which will be treated in a STP of capacity 800 KLD to be installed within the project premises. The project proponent has proposed to

utilize 201 KL/day of treated wastewater for flushing purpose, 60 KL/day will be utilized for horticulture purposes (10885.50 sqm) and remaining 442 KL/day will be discharged into GMADA sewer. In winter season, 201 KL/day of treated wastewater for flushing purpose, 20 KL/day will be utilized for horticulture purposes (10885.50 sqm) and remaining 482 KL/day will be discharged into GMADA sewer. In rainy season, 201 KL/day of treated wastewater for flushing purpose, 6 KL/day will be utilized for horticulture purposes (10885.50 sqm) and remaining 496 KL/day will be discharged into GMADA sewer.

The total quantity of solid waste generation will be 1,798 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The biodegradable waste will be composited by use of Mechanical composter. Inert waste will be dumped to authorized dumping site. The recyclable waste will be sold to the recyclers. The total load of electricity required for group housing will be 6172 KVA which will be taken from the PSPCL. There is a proposal to install silent DG sets 4 x 1000 KVA as stand-by arrangement. The project proponent has also proposed to provide 10 nos. of rain water harvesting pits to recharge the rain water. Used oil to be generated from the DG sets will be managed, handled and disposed as per the provisions of the Environment (Protection) Rules, 1986.

Mr. Diwaker Bansal of M/s Ambika Realcon Pvt. Ltd. will be responsible for implementation of EMP till the handing of the project. Thereafter, The welfare society of "Ambikā City" along with Environment Management Cell who take over the project will be responsible for implementation of EMP. Rs. 81 lac will be incurred for implementation of EMP on account of capital cost and Rs.10.7 lacs/annum will be incurred on account of recurring charges.

Mr. Diwaker Bansal of M/s Ambika Realcon Pvt. Ltd will be responsible for implementation of CSR activities. Rs.1.2 crores will be utilized for following activities under Corporate Social Responsibility:

- Adoption of schools for their better regulation and expansion of facilities.
- Programmes for primary education, especially for girl children in and around the area, saving and well-upbringing of girl child.
- Dispensary in nearby Village Rasulpur.
- Medical facilities, ambulance, periodical health check-up and vaccination for construction labour during construction period.
- Organizing Health camps in villages like Salampur, Rasulpur, Dhodhe Majra, etc. adjoining the project site.
- Promoting tree plantations, tree Plantation in nearby surroundings areas.
- Rain water harvesting, solar street lighting system in and around the area etc.
- Improvement of existing village road.

The case was considered by the SEAC in its 144th meeting held on 19.04.2016, wherein, the Committee awarded '**Silver Grading**' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 107th meeting held on 27.05.2016, wherein, the Authority noted that the case stands recommended by SEAC and the Committee awarded 'Silver Grading' to the project proposal. Therefore, the Authority decided to grant environmental clearance to the project proponent for the construction of group housing project namely "Ambika City" in an area of 42,334.161 sqm. (or 10.46 acres) and having total built up area as 1,46,613.16 sq.m in the revenue estate of Village Dhodhe Majra, New Chandigarh, Distt. SAS Nagar subject to the conditions as proposed by the SEAC in addition to the proposed measures. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to the following conditions in addition to the proposed measures:

PART A – Specific Conditions:

I. Pre-Construction Phase

- (i) "Consent to establish" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority before the start of any construction work at site.
- (ii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (iii) The grant of environmental clearance does not necessarily implies that forestry and wildlife clearance be granted to the project and that their proposals for forestry and wild life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from forestry and wildlife angle shall be entirely at the cost and risk of the project proponent and Ministry of Environment and Forests shall not be responsible in this regard in any manner.
- (iv) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (v) A first aid room will be provided in the project both during construction and operation phase of the project.
- (vi) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightning.
- (vii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, disposal of waste water & solid waste in an environmentally sound manner, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (viii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- (ix) The project proponent shall not hand over possession of any flat to the buyer till main sewer is laid by GMADA and sewer connection is obtained.

II. Construction Phase:

- (i) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (ii) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of

- competent authority.
- (iii) Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses. The dump sites for such material must be secured, so that they should not leach into the groundwater.
 - (iv) Construction/provision of the STP, solid waste, e-waste, hazardous waste, storage facilities tubewell, DG Sets, Utilities etc., earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.
 - (v) Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should conform to applicable air emission standards.
 - (vi) Ambient air and noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase and all the mitigation measures should be taken to bring down the levels within the prescribed standards.
 - (vii) The project proponent shall use only treated sewage/wastewater for construction activities and no fresh water for this purpose will be used. A proper record in this regard should be maintained and available at site.
 - (viii) Fly ash based construction material should be used in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003 and notification No. S.O. 2804 (E) dated 03.11.2009.
 - (ix) Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.
 - (x) Adequate treatment facility for drinking water shall be provided, if required.
 - (xi) The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc.
 - (xii) The project proponent will provide dual plumbing system for reuse of treated wastewater for flushing/ HVAC purposes etc. and colour coding of different pipe lines carrying water/wastewater/ treated wastewater as follows:

a. Fresh water	:	Blue
b. Untreated wastewater	:	Black
c. Treated wastewater (For reuse)	:	Green
d. Treated wastewater (For discharge)	:	Yellow
e. Storm water	:	Orange
 - (xiii) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
 - (xiv) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.
 - (xv) (a) Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code and National Building Code, 2005 on Energy conservation.
(b) Solar power plant by utilizing atleast 30% of total roof top area shall be installed for effective utilization of solar energy.
 - (xvi) The diesel generator sets to be used during construction phase should conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.
 - (xvii) Chute system, bins for common areas, collection centre and mechanical composter shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.
 - (xviii) Recharging wells for roof top, run-off from green areas and roads/pavement etc. shall be provided alongwith provision for providing adequate treatment for removing suspended matter and oil & grease etc. before recharging as per the CGWA guidelines.
 - (xix) Green belt of adequate width as proposed shall be provided so as to achieve

attenuation factor conforming to the day & night standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.

- (xx) Solar power plant shall be provided as proposed. Also, solar lights shall be provided as proposed for illumination of common areas.
- (xxi) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.

III. Operation Phase and Entire Life

- i) "Consent to operate" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority at the time of start of operation.
- ii) The total water requirement for the project will be 896 KL/day, out of which 695 KL/day shall be met through GMADA and borewells and remaining 201 KL/day through recycling of treated wastewater.
- iii) a) The total wastewater generation from the project will be 717 KL/day, which will be treated in a STP of capacity 800 KL/day to be installed within the project premises. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below:

Season	Reuse for flushing (KLD)	For irrigation purposes (KLD)	Discharge into sewer (KLD)
Summer	201	60	442
Winter	201	20	482
Rainy	201	6	496

- b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes. Only, the surplus treated wastewater shall be discharged into sewer after maintaining the proper record.
- iv) A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.
- v) Rainwater recharging system provided shall be operated and maintained properly as per CGWA guidelines.
- vi) The chute system for collection of solid waste shall be provided by the project proponent in its existing towers as well as proposed expansion project. Collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors, organic waste shall be composted by mechanical composters and the inert solid waste shall be sent to the concerned collection centre of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.
- vii) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.
- viii) Incremental pollution loads on the ambient air quality, noise, water quality and soil should be periodically monitored as per the MoEF guidelines and should conform to the prescribed standards. Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- ix) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- x) The project proponent shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- xi) The green belt along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use.
- xii) The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The project proponent should take adequate and appropriate measures to contain the

- ambient air quality within the prescribed standards.
- xiii) Solar power plant and other solar energy related equipments shall be operated and maintained properly.
 - xiv) A report on the energy conservation measures conforming to energy conservation norms should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.
 - xv) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.
 - xvi) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.

PART B – General Conditions :

1. Pre-Construction Phase

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.
- iv) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.
- v) The project proponent shall obtain permission from the CGWA for abstraction of groundwater & digging of borewell(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any borewell(s) exist at site.
- vi) The project proponent shall obtain CLU from the competent authority, if any authority insists.
- vii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- viii) The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.
- ix) A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.
- x) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- xi) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented

in letter and spirit.

II. Construction Phase

- i) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- ii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.
- iii) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh.
- iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority, Punjab.
- v) The project proponent shall adhere to the commitments made in the Environment Management Plan for the construction phase and Corporate Social Responsibility and shall spend minimum amount of Rs.81.00 Lacs & Rs.1.2 crore, respectively, as proposed in addition to the amount to be spent under the provisions of the Companies Act 1956.
- vi) The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.

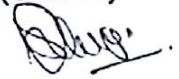
III. Operation Phase and Entire Life

- i) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any Competent Court, to the extent applicable.
- ii)
 - a) The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/residents society under proper MOU under intimation to SEIAA, Punjab.
 - b) The project proponent shall adhere to the commitments made in the proposal for CSR activities.
- iii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.
- iv) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.
- v) 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&CC, SEIAA, Punjab the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels for all the parameters of NAAQM standards shall be

monitored and displayed at a convenient location near the main gate of the company in the public domain.

vi) The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.


Member Secretary (SEIAA)



Endst. No.

Dated

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
4. The Deputy Commissioner, SAS Nagar.
5. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Director (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:
 - a) Name of the applicant : Sh. Diwarker Bansal
 - b) Contact no. : 0172-5044907, 5044910
 - c) E-mail ID : diwarkerbansal1@gmail.com
7. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali
8. Monitoring Cell, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
9. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying this document on the web site of the State Level Environment Impact Assessment Authority.


Member Secretary (SEIAA)