

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, CHANDIGARH
 Ministry of Environment, Forest & Climate Change, Government of India
 O/O Deptt. of Environment, 3rd Floor, Paryavaran Bhawan
 Sector 19-B, Chandigarh

TEL. 0172-2700065

No. ED/2018/858

Dated: 10/07/18

To

Sh. Jaswinder Singh
 Executive Engineer - I
 Chandigarh Housing Board
 Chandigarh

Subject: "Construction of 492 Flats under General Housing Scheme, Sector 53, Chandigarh by Chandigarh Housing Board, Chandigarh: P. No. SIA/CH/NCP/71731/2017"

This has reference to your proposal No. SIA/CH/NCP/71731/2017 seeking prior environmental clearance under the Environment Impact Assessment (EIA) Notification dated 14.09.2006 and amendments thereof. The proposal was considered by the U.T., Expert Appraisal Committee (EAC), in its meeting held on 10.05.2018, and a recommendation for the grant of EC was forwarded to U.T., Environment Impact Assessment Authority (SEIAA), Chandigarh on 29.05.2018. The project was considered by the SEIAA, Chandigarh in its meeting held on 28th June 2018 wherein the details of the project as per the documents submitted and presented during the aforesaid meetings are as under:

The proposed project is a Housing Scheme under which the Chandigarh Housing Board (CHB) will construct total of 492 flats of different categories such as 3 BR (HIG), 2 BR (MIG), 1 BR (LIG), EWS (2 rooms) and Commercial under General Housing Scheme located at Sector-53, Chandigarh. This proposal is as per the Master plan of Chandigarh. The project falls under S.No. 8(a) - 'Building & Construction Project' of Category "B" as per EIA Notification dated 14th Sept 2006; as the built-up area of the project is 85,504.6 sq.m (i.e. >50,000 m²). The plot area of the project is 8.98 acres (or 36,340.44 sq.m.) and the total cost of project is Rs. 224.131 Crores. The project site is located about 4.5 km from Bird Sanctuary, 9.0 km from Sukhna Wildlife Sanctuary and Approx. 8.5 km from Sukhna Lake. Other details of the project are as follows:

- **Energy Requirement:** Total Power requirement of 4.4 MW to be provided by CHB with package substation and underground cabling. 11 KV HT feeder shall be arranged from nearby Grid substation of UT Electricity Department. Five DG Sets (1 no. of 62.5 KVA and 4 nos. of 125 KVA) are proposed for standby use for operating lifts and common area lighting, fire fighting system and water pumps.

Water Management: The total design population of the project is 2,760 persons. The domestic water requirement as per Manual on Water Supply & Treatment, Government of India @ 200 lpcd for residential and @ 45 lpcd for floating will be 506 KLD approx. 405

KLD of sewage will be generated from the project and this waste-water will be treated within project premises in an STP having capacity of 425 KLD and operated as per the standards laid by the Ministry of Environment Forest & Climate Change and Chandigarh Pollution Control Committee, as amended from time to time.

Municipal Waste Management: Solid waste of about 1,044 kg/day will be generated @ 0.40 kg/capita/day for residential and 0.20 kg/capita/day for floating population. The solid waste to be generated from the flats will be segregated in 2 different dustbins reserved for wet & dry waste. The solid waste will be collected from door to door by MCC and shifted to Sector Sehaj Safai Kendra from where waste will be picked for disposal and further treatment in Sector-38, Daddu Majra dumping plant.

Construction/Demolition Waste: The construction waste consists of excess earth and construction debris along with cement bags, steel in bits and pieces, including insulating and packaging materials, etc. Recyclable waste in the form of construction materials will be sold to recyclers. Un-usable and excess construction debris will be disposed at designated places in tune with the local norms.

Hazardous Waste Management: The project will not use any hazardous substances/chemicals except for the used Oil from DG set (Hazardous Waste category 5.1). The same shall be stored in HDPE tanks and will be sold to the authorized recyclers in the region.

- **Emissions from combustion of fossil fuels:** The unit shall install 5 DG Sets (1 no. of 62.5 KVA and 4 nos. of 125 KVA) which shall run on Diesel. These are to be used only as Standby & shall comply with emission limits as given in GSR No 520(E) dated 1st July, 2003; GSR 448(E), dated 12th July 2004; GSR 315(E) dated 16th May, 2005; GSR 464(E) dated 7th August, 2006; GSR 566(E) dated 29th August, 2007 and GSR 752(E) dated 24th October, 2008; G.S.R. 215 (E), dated 15th March, 2011 under the Environment (Protection) Act, 1986 at the manufacturing stage itself. DG sets shall be procured from agencies complying the noise emission standards at manufacturing stage itself as per G.S.R. 371(E), the Environment (Protection) second Amendment Rules, 2002.
- **Noise Management:** The traffic during construction phase may be around 20-25 vehicles/day. This shall not have any significant impact. During the operational phase, only personnel vehicles as cars/two wheelers i.e. 981 ECS shall be provided. All the workers will be equipped with Personal Protective Equipments (PPE's) during construction phase and D.G. sets will be installed in acoustic enclosure with proper padding system to reduce vibration impact.

Tree felling: Project involves clearance of existing vegetation and number of trees would have to be cut. Tree cutting will also be done after obtaining permission from the competent authority. Additional trees will be planted in the ratio of 3:1. There will be no significant impact on the loss of native species or genetic diversity.

After detailed deliberations, the committee unanimously recommended the grant of Environmental Clearance to the project for the "Construction of 492 Flats under General Housing Scheme, Sector 53, Chandigarh" by Chandigarh Housing Board, Chandigarh: P. No. SIA/CH/NCP/71731/2017" under S. No. 8 (a) Category "B" of EIA Notification, 2006 subject to compliance with the EMP and other stipulated conditions. The SEIAA, Chandigarh (UT) therefore hereby accords necessary environmental clearance to the project, subject to the strict compliance with the specific and general conditions mentioned below:

Part-A: Specific condition:-

That this environmental clearance is subject to obtaining prior clearance from forestry and wildlife angle including clearance from the Standing committee of National Board for Wildlife, as applicable and if required under Eco Sensitive Zone Notification (Chandigarh). It is categorically stated that grant of environmental clearance would not necessarily imply that forestry and wildlife clearance shall be granted to the project and that their proposals for forestry and wildlife clearance shall be considered by the respective authority on merit 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 SEIAA shall not be responsible in this regard, in any manner.

I. Construction Phase:

- i. This environmental clearance is for the total plot area of 8.98 acres (or 36,340.44 m²) with total built up area of 85,504.6 m² allotted for housing as per approved zoning plan. Any additional construction above this shall require revised environmental clearance as an expansion project.
- ii. The project proponent shall obtain all necessary clearance/permissions from all relevant agencies including town planning authority before commencement of work. The construction activities shall be done in accordance with the Chandigarh building byelaws and their amendments issued from time to time.
- iii. Structured Drawings of the project should be vetted by the structured engineer of Chandigarh Housing Board and duly certified for the structural stability by the reputed institution such as IIT Roorkee, NITTTTR-etc. before the start of construction.
- iv. The unit shall start construction only after obtaining consent to establish from Chandigarh Pollution Control Committee (CPCC) under Water (Prevention and Control of Pollution), Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.
- v. The construction activities should be started after intimation to the regional office of MoEF & CC, Chandigarh so that suitable monitoring of the construction work can be done.

- vi. All the top soil excavated during construction activities should be stored for use in horticulture / landscape developments with the project site. The excavated soil except top soil shall be used for top cover of at dumping ground.
- vii. Water demand during construction shall be reduced by use of premixed concrete, curing agents and other best practices.
- viii. It is recommended to use Tertiary treated water during construction phase, as much as possible.
- ix. Permission to draw and use ground water for construction work shall be obtained from competent authority prior to construction / operation of the project.
- x. 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.
- xi. The building envelop for all air conditioned buildings/spaces shall be complied with the Energy Conservation Building Code (ECBC). Roof and opaque walls shall comply with the minimum insulation R-value as well as lighting systems and equipments shall comply with the provisions of ECBC.
- xii. The design of the buildings and their execution shall be done as per the guidelines of CWPD for ^{achieving} ~~planning~~ minimum three stars GRIHA rating in all public buildings, as adopted by the Chandigarh Administration.
- xiii. The Rain Water Harvesting & Ground Water Recharging plan of the project, duly certified by the Central Ground Water Board, Chandigarh should be submitted before starting construction.
- xiv. All required sanitary and hygienic measures including portable toilets/septic tank, first aid room etc. for labour should be in place before starting construction activities and to be maintained throughout the construction phase.
- xv. Adequate drinking water facility should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- xvi. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighbouring communities and be disposed-off taking the necessary precautions for general safety and health aspects of people.
- xvii. Diesel power generating sets used during construction phase should be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) Act, 1986, prescribed for air and noise emission standards.
- xviii. Ambient noise levels should conform to standards both during day and night at the site as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- xix. The construction agencies shall use fly ash based material / products as per the provisions of fly ash notification of 14.09.1999 as amended on 27.08.2003 and its amendments, if any.

- xx. Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check" (PUC) certificate and conform to applicable air and noise emission standards. These should be operated only during non-peak hours.
- xxi. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.
- xxii. Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the Chandigarh Pollution Control Committee.
- xxiii. The diesel required for operating DG set shall be stored in underground tanks and if required, clearance from the Chief controller of Explosives shall be taken.
- xxiv. The approval of the competent authority shall be obtained for structural safety of the building due to earthquake, adequacy of fire fighting equipments (Fire Services Department) etc. as per National Building Code including protection measures from lightning etc.
- xxv. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase so as to avoid disturbance to the surroundings.

II. Operational Phase:

- i. The unit shall operate after obtaining consent to operate from Chandigarh Pollution Control Committee (CPCC) u/s 25/26 of Water (Prevention and Control of Pollution) Act, 1974; Air (Prevention and Control of Pollution) Act, 1981 and authorization under Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008.
- ii. Ambient noise levels should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the proposed institution.
- iii. The waste water generated shall be treated in a Sewage Treatment Plant (self installed).
- iv. Installation of Dual Piping System is recommended for the project, so as to make use of treated water for flushing/gardening/cleaning etc. to achieve "zero discharge".
- v. Only 5 DG sets (1 no. of 62.5 KVA and 4 nos. of 125 KVA) as per the proposal shall be installed which shall be provided with acoustic enclosures, stacks and sampling platforms as required under Air (Prevention and Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and laid down by Central Pollution Control Board. The stack emissions from the DG sets shall be monitored for PM, SO₂, NO_x, CO and HC once every six months from a NABL accredited/ MoEF&CC approved laboratory. Regular maintenance and service of the DG sets shall be undertaken to ensure that there is no substantial increase in emissions in subsequent monitoring. DG sets shall be used only as standby in case of failure of electricity.

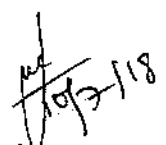
- vi. Installation of at-least 75 kWp rooftop SPV plant is highly recommended, as proposed in the project and possibility for more installation should be explored. Maximum use of renewable energy should be the integral part of the project.
- vii. Energy conservation measures like installation of LEDs for the lighting should be the integral part of the project design.
- viii. The solid waste shall be segregated on site into recyclable and biodegradable components and disposed off as per the conditions imposed by CPCB. The hazardous wastes including e-waste (if generated) shall also be disposed as per the conditions imposed by CPCB and appropriate records shall be maintained. An audit of the waste generation shall be undertaken over a period of time (two years) and attempts shall be made to minimize the waste generation.
- ix. Installation of Solar Photo-voltaic (SPV), as per National Building Code - 2016 guidelines, within the project area for the generation of solar power.
- x. Weep holes shall be provided in the compound walls to ensure there is no obstruction to natural drainage of rainwater in the catchment area during the monsoon period.
- xi. The greenbelt and landscaping as per the proposed plan shall be provided and its land use shall not be altered. The sites like boundary wall and DG set area should have thick belt of ever green trees with at least three rows forming three tier canopies to mitigate environment hazards. The other areas like parks, vehicle parking, road sides etc., may be planted with evergreen deciduous fruit trees as per requirement of the site. A report on the status of plantation, including no. and variety of trees shall be submitted to monitoring authority every six months.
- xii. The net fresh water demand shall be met from the municipal supply mainly and no tube well shall be installed within the project site.
- xiii. The ground water levels and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- xiv. The building should have adequate distance between them to allow movement of fresh air and passage of light to the residential premises
- xv. A report on the energy conservation measures should be prepared incorporating details with regard to compliance with ECBC guidelines and or as provided in the documents submitted for environmental clearance and shall be submitted to the monitoring authority in six months time. An energy audit shall be conducted to verify the energy consumption and to suggest measures to reduce it further.

Part- B General Conditions:

- i. The environmental safeguards contained in the documents should be implemented in letter and spirit.
- ii. Activities, regarding the Environment Management Plan & Environment & Social Responsibility, as proposed in the EIA/EMP report of the project should be implemented in letter and spirit.
- iii. The project proponent, within seven days from the day of issue of the clearance letter, 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 SEIAA, CPCC and Regional Office of MoEF&CC, North Chandigarh and may also be seen at the website of the project.

- iv. Reports including that of air, and noise shall be submitted to the Regional Office North of MoEF&CC on compliance to environmental conditions, every 6 months from the grant of environmental clearance and shall also be placed on the website of the project proponent. A display board shall also be provided at the gate of the unit showing date of granting of consents and its validity and key pollution related parameters for the information of the general public as per the guidelines given by CPCC.
- v. The unit shall obtain clearances as for fire safety, structural safety, storage of fuel, etc. as applicable prior to start of operations.
- vi. Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications
- vii. Officials from the Regional Office of MoEF&CC, Chandigarh 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 SEIAA/SEAC should be forwarded to the Regional office North of MoEF&CC, Chandigarh.
- viii. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this SEAC.
- ix. The SEIAA reserves the right to modify/add additional environmental safeguards subsequently, if found necessary, Environment Clearance granted will be revoked if it is found that false information has been given for approval of the project.
- x. A First Aid Room will be provided at the project site both during construction and operation of the project.
- xi. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991. The stricter of the conditions as imposed under the Acts as above or as imposed in environmental clearance shall apply.
- xii. The project proponent will take measures and actions to improve upon its environmental performance and may go for voluntary accreditations as ISO-14000/Green rating systems.


 (SANTOSH KUMAR, IFS)
 Member Secretary
 SEIAA, Chandigarh

A copy is forwarded to the following for information and necessary action:-

1. The Director (EIA Division), Ministry of Environment, Forest & Climate Change, New Delhi
2. The Additional Principal Chief Conservator of Forest, Regional Office, Ministry of Environment, Forest & Climate Change, Chandigarh
3. The Director, Regional Office, Central Ground Water Board, Sector-27A, Chandigarh
4. The Director (EIA), Northern Region Office, Ministry of Environment, Forest & Climate Change, Chandigarh
5. The Secretary Environment, Chandigarh Administration
6. The Conservator of Forests, U.T., Chandigarh
7. The Member Secretary, Chandigarh Pollution Control Committee, U.T., Chandigarh
8. The Chief Architect, U.T., Chandigarh
9. Member Secretary, SEIAA, U.T., Chandigarh
10. Circular File

(SANTOSH KUMAR, IFS)
Member Secretary
SEIAA, Chandigarh

No.EE-I/CHB/2020/ 64

Dated: 02/02/2021

To

The Member Secretary,
Chandigarh Pollution Control Committee,
Paryavaran Bhawan, Madhya Marg, Sector-19-B
Chandigarh.

Subject: Notice under section 21 of Air (Prevention & Control of Pollution), section 25 of Water (prevention & Control of Pollution) Act, 1974 and section 5 of Environment (Protection) Act, 1986 for violation of provisions of said Acts.

Reference your letter No. CPCC/OLBC/1270/2020/6674 dated 21.01.2021.

It is submitted that Consent to Establish for Housing Project of 8896 Small Flats at Maloya, U.T, Chandigarh was obtained from Chandigarh Pollution Control Committee vide letter No. CPCC/GLMC/1270/2014/09/42 dated 7.4.2014. It is further submitted that CHB has constructed 4960 Small Flats out of 8896 Small Flats due to the curtailment of project. The said Slum Rehabilitation Project was executed on behalf of Chandigarh Administration with grant received from Govt. of India under JNNURM. The said project was executed in four groups and the work of each group completed except fittings & fixtures etc. to be installed at the time of possession as per the following detail:-

S.No.	Name of work	Date of start	Stipulate date of completion	Date of completion
1.	Const. of 1536 Small Flats (Two Rooms) at Maloya-I(Gr-II)	21.6.14	20.12.2015	21.07.2016
	Const. of 1088 Small Flats (Two rooms) at Maloya-I)	21.6.14	20.12.2015	31.03.2017
3.	Const. of 1216 small Flats (Two rooms) at Maloya (Gr-II)	21.6.14	20.12.15	4.5.2016
4.	Const. of 1120 small Flats (Two rooms) at Maloya (Gr-II)	21.6.2014	20.12.2015	23.9.2016

It is also informed that CHB has handed over the possession of these flats to the allottees from time to time and further maintenance of these flats allotted under Chandigarh Small Flats scheme is to be done by the allottees themselves.

Handed over to Sh. Harbhajan Singh
SDE-N

Executive Engineer-I,
Chandigarh Housing Board,
Chandigarh

No. C.H.B/EE/2021/31

Dated: 2-1-21

To

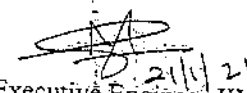
The Member Secretary,
Chandigarh Pollution Control Committee,
Paryavaran Bhawan, Madhya Marg,
Sector 19-B, Chandigarh-160019.

Subject:- Show Cause Notice u/s 21 of Air (Prevention and Control of Pollution Act, 1981, u/s 25 of Water (Prevention and Control of Pollution) Act, 1974 and Environment (Protection) Act, 1986.

The consent to Establish was issued vide your office letter No.CPCC/OLB/3446/2017/520/2339, dated 18.12.2017 for establishment of a Housing Colony i.e. 200 Two Bed Room Flats(S+4) Category-II at Sector 51-A, Chandigarh.

In this regard, it is submitted that the construction of dwelling units has already been completed in month of December, 2019 and dwelling units were handed over to the end-users in the month of January, 2020.

This is for kind information please.


21/1/21
o/c Executive Engineer-III,
Chandigarh Housing Board,
Chandigarh.



Chandigarh Pollution Control Committee

Ground Floor, Paryavaran Bhawan, Madhya Marg,
Sector 19-B, Chandigarh-160 019

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Consent No. CPCC/GLMC/1270/2014/09/42

Dated: 7-4-14

Consent to Establish under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and under Section 21 of Air (Prevention and Control of Pollution) Act, 1981, as amended (to be referred as Water Act and Air Act respectively).

Consent is granted to Chandigarh Housing Board, Sector-9, Chandigarh located in the area declared under the provisions of the Water Act/Air Act subject to provisions of the Act and the orders that may be framed and subject to the following terms and conditions:-

1. The Consent to establish is valid up to one year from the date of issue this consent order or till the date of start of operation whichever is earlier.
2. The Consent to Establish is valid for the establishment of a Housing Colony (8896 Two Rooms Tenements) at Maloya U.T. Chandigarh with proposed gross capital investment of Rs. 428.20 Crores only.
3. The Consent to Establish has been approved by CPCC from pollution angle and the industry shall obtain all other formal consents from other concerned departments (if needed).

4. Conditions under the Water-Act:

All required sanitary and hygienic measures including portable toilets/septic tank etc. for labour should be in place before starting construction activities and to be maintained throughout the construction phase. The sewage generated during construction phase should be properly disposed off in Municipal Sewer.

5. Conditions under the Air Act (During construction phase):

(i) The applicant shall maintain the chimney/stack of the following specification:-

Sr. No.	Chimney/stack attached to	Height	Location
1.	07-No. D.G. Sets (160 KVA)	5.0 meter from ground level	Chandigarh Housing Board, Sector 9, Chandigarh.

Air Standards:-

S.No.	Stack attached to	Parameter	Permissible Limits
1.	DG Sets	Particulate Matter (PM)	150 mg/Nm ³

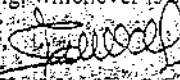
Noise Standards:-

The maximum permissible sound pressure level for new diesel generator (DG) sets with rated capacity upto 1000 KVA, manufactured on or after the 1st January, 2005 shall be 75 dB(A) at 1 meter from the enclosure surface.

6. The applicant shall take adequate measures for control of noise from its own sources so as to comply with the standards.
7. Special Conditions:-
 - a. Rain water harvesting shall be practiced in the entire building drawing of which shall be submitted along with application for consent to operate. Rain water harvesting for roof run-off and surface run-off, as submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. Above the highest ground water table.

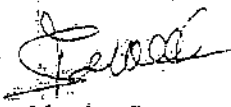
*H. N. N. 8896 Maloya & 226
Soc 23/2/14*

- b. DG Sets shall be installed as per guidelines of CPCB/MoEF and shall be used as standby system.
- c. The building shall implement environment management system such as ISO 14001 within a time-framed schedule. The action plan shall be submitted to this office before the start of operation.
- d. The building shall make all necessary arrangements for handling, storage/disposal of hazardous waste before starting the operation.
- e. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).
- f. The unit shall quarterly submit details of construction activity at site inclusive of progress made in the implementation of various environmental aspects.
8. The Chandigarh Housing Board, Chandigarh shall properly comply with the conditions of Environment Clearance issued by Department of Environment, Chandigarh.
9. The Chandigarh Housing Board, Chandigarh will give the Hazardous Waste (if generated) to authorized recycler only.
10. Unit shall apply for renewal of consent for establish in the prescribed form at least 30 days before the date of expiry of this consent order or shall submit an application for consent to operate at least 90 days before the date of commissioning, whichever is earlier.


Member Secretary

GENERAL CONDITIONS FOR CONSENT TO DISCHARGE - EFFLUENT/ EMISSIONS/ HAZARDOUS WASTE -

- a) Any upset conditions in operations/process in the premises, which may cause increased effluent or result in violation of standards prescribed in the Consent Order be reported to the Chandigarh Pollution Control Committee at the first instance.
- b) The applicant shall practice good housekeeping. All pipes/valves/drains/ conduits/sewers shall be kept leak proof. Floor washings from operation/ process area shall not be allowed to find their way in storm-water drains or open areas. The unit shall not throw any solid waste in open inside/outside its premises to the nuisance of the public or to be deterrent to the environment in any manner.
- c) The applicant shall go in for recycling/reuse of water as far as practicable to minimize the discharge of wastes into the environment and shall work to adopt clean technology to reduce the generation of environmental pollutants.
- d) The unit shall take necessary steps to ensure that noise pollution is not caused from its operations to the nuisance of the public or workers. The unit shall not burn any material on the road side and/or inside/outside its premises to the nuisance of the public or to be deterrent to the environment in any manner.
- e) The applicant Chandigarh Housing Board, Sector-9, Chandigarh shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made thereunder.


Member Secretary



Chandigarh Pollution Control Committee

Paryavaran Bhawan, Madhya Marg,
Sector-19-B, Chandigarh-160 019

CPCC/GLMC/2013/ 06

Date: 01/04/2013

To

Sh. Ajay Grover
Executive Engineer-I
Chandigarh Housing Board
Sector 9, Chandigarh.

Sub: Consent to establish for Housing Colony (8896 two rooms tenements) at Maloya-I, Chandigarh.

This is with reference to your application for consent to establish under Air Act, Water Act and Authorization under Hazardous Waste rules dated 25.03.2013.

In this connection, you are hereby asked to provide Environment Clearance under EIA Notification alongwith feasibility report of Sewage Treatment Plant within 15 days from the date of issue of this letter, only after receiving the same your application for consent will be processed further.

Member Secretary

SDE-I - for file

4/3/13

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24/13

322-5

113 D.F.A has already been sent to you for approval please

662

4/4/13

The Superintending Engineer,
M.C.P.H. Circle, Chandigarh.

The Superintending Engineer,
Chandigarh Housing Board,
Chandigarh.

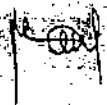
Memo no. 5355

Dated: 28/8/12

Construction of 8896 Small Flats at Maloya-I and 3648 small Flats at
Maloya-II- Provision of STP.

Your office memo no. 1594 dated 28.8.12.

In this regard, it is intimated that a 5 MGD STP is proposed to be
located at Maloya. The site of proposed STP shown on the plan (enclosed). This
constructed at site can cater to the sewage effluent of Flats being constructed by
Chandigarh Housing Board.


Superintending Engineer,
M.C.P.H. Circle, Chandigarh.

2/0/12

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, CHANDIGARH

Ministry of Environment & Forests, Government of India

1st Floor, Paryavaran Bhawan,
Sector 19-B, Chandigarh.

TEL. 0172-2700065

No SA-ED-2013/EC/1411

Dated:- 26/8/13

Er. Ajay Grove,
Executive Engineer,
Chandigarh Housing Board,
Chandigarh.

Subject: Environmental Clearance for Housing scheme at Maloya - I (two Room Tenement), Chandigarh.

Dear Sir

I am directed to refer to your application seeking prior environmental clearance for the above project under the EIA notification 2006. The above proposal has been appraised as per prescribed procedure on the basis of the documents enclosed with the application viz Form 1, Form 1A, conceptual Plan and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee and Environment Impact Assessment Authority, Chandigarh.

2 The proposed project is a Housing scheme under which the project proponent will construct Two room tenements at Village Maloya - I, Chandigarh over a plot of 163.12 acres (654607.03 m²) with the estimated cost of 473.12 Crores. The project consists of construction of two room tenements-houses of ground-plus-3-floors having total 6696 units which also include construction of roads, parks, parking and landscaping. Total number of block 278 and each block comprising of 32 units. Project also provide area of 74727.27 Sq.m for school, shops community center, Dispensary, Aganwaris, 341530.15 Sq.m for roads, open spaces & parking, 149133.48 Sq.m for landscaping. The height of building is 40 feet. The source of water supply is Municipal Corporation and 5 Nos. Tubewells will also be installed. The total water requirement is 240 KLD in construction phase and 9445 KLD in operation phase. The power requirement during construction phase is 1120 KVA and operation phase is 7 MW which will be supplied by Electricity Department, Chandigarh. Seven (7) Nos. DG set of 160 KVA shall be provided during Construction Phase. The total solid waste generation from entire project is 13.63 TPD. Total 220 trees to be axed and as per plan the compensatory plantation has been proposed on road berm & Central Park provided in the project.

3 The Expert Appraisal Committee after due consideration of the relevant documents submitted by the project and additional clarifications furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions. Accordingly, the State Environment Impact Assessment Authority, Chandigarh hereby accords necessary environmental clearance for the project under category 8 (b) of EIA Notifications, 2006 subject to the strict compliance with the specific and general conditions mentioned below:

Part - A Specific condition:-

That this environmental clearance is subject to obtaining prior clearance from forestry and wildlife angle including clearance from the Standing committee of National Board for Wildlife, as applicable, as the Proposed site falls within 10 K.M. of notified Wildlife Sanctuary (Sukhna Wildlife Sanctuary and City Bird Sanctuary) and Eco sensitive zone around these sanctuaries have not been notified as yet. It is categorically stated that grant of environmental clearance would not necessarily imply that forestry and wildlife clearance shall be granted to the project and that their proposals for forestry and wildlife clearance shall be considered by the respective authority on merit 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

Signature

26/8/13

Noted PL

21/9/13

Chandigarh

at the cost and risk of the project proponent and SEIAA shall not be responsible in this regard, in any manner.

I. Construction Phase:

- i. This environmental clearance is for the total plot area of 163.18 acres (654887.03 sq m) and any additional construction above this shall require revised environmental clearance as an expansion project.
- ii. The unit shall start construction only after obtaining consent to establish from Chandigarh Pollution Control Committee (CPCC), under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1961.
- iii. Vehicles hired for construction activities should be operated only during non-peak hours.
- iv. All the top soil excavated during construction activities should be stored for use in horticulture / landscape developments with the project site. The excavated soil except top soil shall be used for top cover of at dumping ground.
- v. Ready mixed concrete shall be used in building constructions.
- vi. Water demand during construction shall be reduced by use of premixed concrete, curing agents and other best practices.
- vii. Roof should meet the prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.
- viii. All required sanitary and hygienic measures including portable toilets/septic tank etc. for labour should be in place before starting construction activities and to be maintained throughout the construction phase.
- ix. Adequate drinking water facility should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- x. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.
- xi. Seven (7) DG Set 160 KVA shall be installed which shall be provided with acoustic enclosure, stack and sampling platform as required under Air (Prevention and Control of Pollution) Act, 1981, and Environment (Protection) Act, 1986. The stack emissions from the DG sets shall be monitored for PM, SO₂, NO_x, CO and HC once every six months from a NABL accredited / MoEF approved laboratory. Regular maintenance and service of the DG sets shall be undertaken to ensure that there is no substantial increase in emissions in subsequent monitoring. DG sets shall be used only as standby in case of failure of electricity.
- xii. Diesel power generating sets used during construction phase should be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) Act, 1986, prescribed for air and noise emission standards.
- xiii. Ambient noise levels should conform to standards both during day and night at the site. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- xiv. The construction agencies shall use fly ash based material / products as per the provisions of fly ash notification of 14.09.1999 as amended on 27.08.2003.
- xv. Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check" (PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- xvi. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.
- xvii. Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the Chandigarh Pollution Control Committee.
- xviii. The diesel required for operating DG set shall be stored in underground tanks and if required, clearance from the Chief controller of Explosives shall be taken.

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, CHANDIGARH

Ministry of Environment & Forests, Government of India

3rd Floor, Paryavaran Bhawan,
Sector 19-B, Chandigarh.

TELE 0172-2700065

3244
27-8-13
No. SA/ED-2013/EC/141

Dated:- 26/8/13

To

Er. Ajay Grover,
Executive Engineer,
Chandigarh Housing Board,
Chandigarh

Subject:- Environmental Clearance for Housing scheme at Maloya - I (two Room Tenement) Chandigarh.

Dear Sir,

I am directed to refer to your application seeking prior environmental clearance for the above project under the EIA notification 2006. The above proposal has been appraised as per prescribed procedure on the basis of the documents enclosed with the application viz Form 1, Form 1A, conceptual Plan and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee and Environment Impact Assessment Authority, Chandigarh.

2. The proposed project is a Housing scheme under which the project proponent will construct Two room tenements at Village Maloya - I, Chandigarh over a plot of 163.18 acres (954867.03 m²) with the estimated cost of 473.12 Crores. The project consists of construction of two room tenements houses of ground plus 3 floors having total 6696 units which also include construction of roads, parks, parking and landscaping. Total number of block 278 and each block comprising of 32 units. Project also provide area of 74727.27 Sq.m for school, shops community center, Dispensary, Aganwaris, 341500 15 Sq.m for roads, open spaces & parking, 149133.48 Sq.m for landscaping. The height of building is 40 feet. The source of water supply is Municipal Corporation and 5 Nos. Tubewells will also be installed. The total water requirement is 240 KLD in construction phase and 9445 KLD in operation phase. The power requirement during construction phase is 1120 KVA and operation phase is 7 MW which will be supplied by Electricity Department, Chandigarh. Seven (7) Nos. DG set of 160 KVA shall be provided during Construction Phase. The total solid waste generation from entire project is 13.63 TPD. Total 220 trees to be axed and as per plan the compensatory plantation has been proposed on road-berm & Central Park provided in the project.

3. The Expert Appraisal Committee after due consideration of the relevant documents submitted by the project and additional clarifications furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions. According to the State Environment Impact Assessment Authority, Chandigarh hereby accord its necessary environmental clearance for the project under category 8 (b) of EIA Notifications 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

Part - A Specific conditions:-

That this environmental clearance is subject to obtaining prior clearance from forestry and wildlife angle including clearance from the Standing committee of National Board for Wildlife as applicable as the Proposed site falls within 10 K.M. of notified Wildlife Sanctuary (Sukhna Wildlife Sanctuary and City Bird Sanctuary) and Eco sensitive zone around these sanctuaries have not been notified as yet. It is categorically stated that grant of environmental clearance would not necessarily imply that forestry and wildlife clearance shall be granted to the project and that their proposals for forestry and wildlife clearance shall be considered by the respective authority on merit 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

AE's / SDC

Noted JPL

2/9/13

Chandigarh
Chandigarh.

at the cost and risk of the project proponent and SEIAA shall not be responsible in this regard in any manner.

I. Construction Phase:

- i. This environmental clearance is for the total plot area of 163.18 acres (654887.03 sq.m) and any additional construction above this shall require revised environmental clearance as an expansion project.
- ii. The unit shall start construction only after obtaining consent to establish from Chandigarh Pollution Control Committee (CPC) under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.
- iii. Vehicles hired for construction activities should be operated only during non-peak hours.
- iv. All the top soil excavated during construction activities should be stored for use in horticulture / landscape developments with the project site. The excavated soil except top soil shall be used for top cover of a dumping ground.
- v. Ready mixed concrete shall be used in building constructions.
- vi. Water demand during construction shall be reduced by use of premixed concrete, curing agents and other best practices.
- vii. Roof should meet the prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.
- viii. All required sanitary and hygienic measures including portable toilets/septic tank etc. for labour should be in place before starting construction activities and to be maintained throughout the construction phase.
- ix. Adequate drinking water facility should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- x. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.
- xi. Seven (7) DG Set 160 KVA shall be installed which shall be provided with acoustic enclosure, stack and sampling platform as required under Air (Prevention and Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986. The stack emissions from the DG sets shall be monitored for PM, SO₂, NO_x, CO and HC once every six months from a NABL accredited/MoEF approved laboratory. Regular maintenance and service of the DG sets shall be undertaken to ensure that there is no substantial increase in emissions in subsequent monitoring. DG sets shall be used only as standby in case of failure of electricity.
- xii. Diesel power generating sets used during construction phase should be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) Act, 1986, prescribed for air and noise emission standards.
- xiii. Ambient noise levels should conform to standards both during day and night at the site. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- xiv. The construction agencies shall use fly ash based material/products as per the provisions of fly ash notification of 14.09.1999 as amended on 27.08.2003.
- xv. Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check" (PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- xvi. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.
- xvii. Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the Chandigarh Pollution Control Committee.
- xviii. The diesel required for operating DG set shall be stored in underground tanks and if required, clearance from the Chief controller of Explosives shall be taken.

- xv The approval of the competent authority shall be obtained for structural safety of the building due to earthquake, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightning etc.
- xx Regular supervision of the above and other measures for monitoring should be in place all through the construction phase so as to avoid disturbance to the surroundings.

ii. Operational Phase:

- i. A Sewage Treatment Plant 5 MGD STP as proposed by the Municipal Corporation, Chandigarh at Maloya, Chandigarh shall be installed for the treatment of 7556.01-KLD sewage generated.
- ii. The project shall not be made operational until the commissioning of 5 MGD STP as proposed by the Municipal Corporation, Chandigarh at Maloya, Chandigarh.
- iii. The solid waste shall be segregated on site into recyclable and biodegradable components as disposed off as per the conditions imposed by CPCC. The hazardous wastes including e-waste (if generated) shall also be disposed as per the conditions imposed by CPCC and appropriate records shall be maintained. An audit of the waste generation shall be undertaken over a period of time (two years) and attempts shall be made to minimize the waste generation.
- iv. The rain water harvesting system should be as per proposed plan.
- v. The sleep holes shall be provided in the compound walls to ensure there is no obstruction to natural drainage of rainwater in the catchment area during the monsoon period.
- vi. The greenbelt and landscaping as per the proposed plan shall be provided and its land use shall not be altered. It shall include vegetation of indigenous variety that also helps to reduce noise and dust levels. A report on the status of plantation, including no. and variety of trees shall be submitted to monitoring authority every six months.
- vii. The net fresh water demand shall be met from the municipal supply mainly. Tubewell shall be operated as per the prescribed norms of Central Ground Water Board/Chandigarh Administration.
- viii. The ground water levels and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- ix. The building should have adequate distance between them to allow movement of fresh air and passage of light to the residential premises.
- x. A report on the energy conservation measures should be prepared incorporating details with regard to compliance with ECBC guidelines and as provided in the documents submitted for environmental clearance and shall be submitted to the monitoring authority in six months time. An energy audit shall be conducted to verify the energy consumption and to suggest measures to reduce it further.

Part B General Conditions:

- i. The environmental safeguards contained in the documents should be implemented in letter and spirit.
- ii. 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 State Level Environment Impact Assessment Authority, CPCC and Regional Office of MoEF, North and may also be seen at the website of the unit. 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. The compliance status of stipulated conditions of this clearance shall be uploaded on the website of the company and shall also be displayed in the project premises at a prominent place especially with respect to ambient air quality data.
- iii. Reports shall be submitted to the Regional Office North of MoEF on compliance to environmental conditions every six months. The reports including that of air and noise shall also be placed on the website of the project proponent within a period of six months from the grant of environmental clearance. A display board shall also be provided at the gate of the unit showing date of grant consents and

Secretary
Chandigarh Housing Board
Chandigarh.

its validity and key pollution related parameters for the information of the general public as per the guidelines given by CPCQ.

- iv. The project proponent will ask the Municipal Corporation, Chandigarh to fix the time line for the construction as well as commissioning of 5 MGD sewerage treatment plant under intimation to the SEIAA, Chandigarh.
- v. The unit shall obtain clearances as for fire safety, structural safety, storage of fuel, etc. as applicable prior to start of operations.
- vi. Permission to draw and use ground water for construction work shall be obtained from competent authority prior to construction/operation of the project.
- vii. Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications.
- viii. Officials from the Regional Office of MoEF, Chandigarh 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.
- ix. A complete set of all the documents submitted to SEIAA/SEAC should be forwarded to the Regional Office of MoEF, Chandigarh.
- x. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this SEAC.
- xi. The SEIAA reserves the right to modify/add additional environmental safeguards subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for approval of the project.
- xii. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991. The stricter of the conditions as imposed under the Acts as above or as imposed in environmental clearance shall apply.
- xiii. A First Aid Room will be provided at the project site both during construction and operation of the project.
- xiv. The project proponent will take constant to improve upon its environmental performance and may go for voluntary accreditations as ISO 14000/Green rating systems.
- xv. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 90 days as prescribed under section 11 of the National Environment Appellate Act, 1997.

(SANTOSH KUMAR, IFS)
Member Secretary,
Environment Impact Assessment Authority,
Chandigarh.
Dated: 12/11/17

Endsl No. SA-ED-2013/EC/

A copy is forwarded to the following for information and necessary action:-

1. The Director (EIA Division), Ministry of Environment & Forests, New Delhi;
2. The Additional Principal Chief Conservator of Forest, Regional Office, Ministry of Environment & Forests, Chandigarh;
3. The Director (EIA), Northern Regional Office, Ministry of Environment & Forests, Chandigarh;
4. The Secretary Environment, Chandigarh Administration;
5. The Conservator of Forests, U.T., Chandigarh;
6. The Member Secretary, Chandigarh Pollution Control Committee, U.T., Chandigarh;
7. The Chief Architect, U.T., Chandigarh;
8. Circular file.

(SANTOSH KUMAR, IFS)
Member Secretary,
Environment Impact Assessment Authority,
Chandigarh.

1. Copy to SE CHB.

2. Copy to all EE's

1) EE-I / EE-II / EE-III

2) Asst. Architect

3) EE-IV / EE-V / EE-VI / EE-VII

EE-IV / EE-V / EE-VI / EE-VII

any other place