

Date: 15 June 2019

To,
The Regional Officer,
Ministry of Environment, Forest & Climate Change (Northern Region),
Bays No: 24-25, Sector-31 A,
Dakshin Marg, Chandigarh-160030

Sub: Half-yearly Compliance (Session: October, 2018-March, 2019) of the stipulated Environmental Conditions/Safeguards in the Environmental Clearance Letter for Group housing project "Hero Homes" located at Sector-88, Dist. SAS Nagar (Mohali), Punjab.

Ref: Environmental Clearance Ref. Letter No. SEIAA/2805 DATED 28.06.2016.

Dear Sir,

This has reference to the State Level Environment Impact Assessment Authority, Punjab EC Ref. Letter No. SEIAA/2805 DATED 28.06.2016, vide which we have been asked to submit the compliance with the specific and general conditions.

In view of above, we are approaching you by submitting a copy of the following information/ documents for your kind perusal:

1. Point-wise compliance of the stipulated environmental conditions/ safeguards.
2. Environmental monitoring report.

We fully assure you that we will comply with all conditions as specified in the Environment clearance granted to us, Details of Representative are as follows:

Name	Dilpreet Singh
Designation	Senior Manager- Coordination
Contact no.	9988200729
Email ID	dilpreet.singh@herorealty.in

Thanking you,
Yours Sincerely,

For M/s. Hero Realty Pvt. Ltd.

Authorized Signatory

CC:

1. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001
2. The Member Secretary SEIAA, O/o. Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001



Hero Realty Pvt. Ltd.
(A Hero Enterprise)

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Hero Realty Pvt. Ltd.
(A Hero Enterprise)

HALF-YEARLY COMPLIANCE REPORT JUNE 2019

(Ref. Letter No. SEIAA/2805 DATED 28.06.2016.)

Of

**Group Housing Project
"Hero Homes"**

At

**Sector-88, District- SAS Nagar (Mohali),
Punjab.**

By

M/s. Hero Realty Pvt. Ltd.

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HALF – YEARLY COMPLIANCE OF STIPULATED ENVIRONMENTAL CONDITIONS / SAFEGUARDS IN THE ENVIRONMENTAL CLEARANCE

REF. LETTER NO SEIAA/2805 DATED 28.06.2016

**FOR GROUP HOUSING PROJECT "HERO HOMES" LOCATED IN THE REVENUE ESTATE OF SECTOR – 88,
DISTRICT- SAS NAGAR (MOHALI), PUNJAB BY
M/s HERO REALTY PVT. LTD.**

A) COMMON CONDITIONS :		
FOR PRE-CONSTRUCTION, CONSTRUCTION & OPERATION PHASE		
S.No.	CONDITIONS	COMPLIANCE
I.	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.	As of now, No appeal or request for review has been made against the environment clearance no. SEIAA/2805 dated June 28, 2016 granted to the project for carrying out the development activities. All the stipulated conditions mentioned in the EC letter are adhered duly to avoid any kind of obstacle in the way of development of the project.
II.	A first aid room will be provided in the project both during construction and operation phase of the project.	First aid room has been provided during construction phase of the project and same will also be provided during operation phase and is attached as Annexure XIV .
III.	Construction of the STP, solid waste, e-waste, hazardous waste, storage facilities tube well, 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.	Locations earmarked for solid waste storage facilities, DG sets, Diesel tank, surface parking, RWH and First aid room has been mentioned at the key plan of the project. The layout plan showing the locations of the same is enclosed as Annexure I . Soak pits and septic tanks have been constructed for the sewage management in the construction phase of the project. There is no proposal of captive STP in the project premises since 580 KLD of estimated sewage of operation phase will be treated by STP of GMADA.
IV.	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.	All the measure for the effective practice of environmental safeguarding is being followed. PPEs are provided to all persons working at the project site and the photograph showing the same is attached as Annexure XV . All the development activities are being carried out with an objective of no harm to the environment.

V.	<p>Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil should be periodically monitored during construction phase as well as operation & entire life phase as per the Ministry of Environment, Forests & Climate Change guidelines and all the mitigation measures should be taken to bring down the levels within the prescribed standards.</p>	<p>Incremental pollution load on the ambient air and noise quality is closely monitored and the noise sampling is also done to check the noise quality. Monitoring data is attached as Annexure – II.</p> <p>Adequate measures have been taken to reduce ambient air and noise level during construction phase.</p> <ul style="list-style-type: none"> ▪ DG sets with acoustic enclosure have been used at project site. ▪ Low sulphur diesel is used. ▪ Only vehicles with valid PUC certificate are allowed to enter the project site. ▪ All state of the art machinery is used at the site and periodic maintenance is ensured. ▪ Shelter belt has been provided to reduce the noise level within the site.
VI.	<p>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.</p>	<ul style="list-style-type: none"> • NOC dated June 9, 2016 from Aviation Angle for the height of the buildings is enclosed as Annexure III. • An Opinion from Deputy Conservator of Forests & Chief Wildlife Warden along with marked topo sheet mentioning distance is enclosed as Annexure IV which indicates that no wildlife Sanctuary and bird sanctuary lies within 10 km of project site. Hence, clearance from the National Board for Wildlife was not required. • The diesel required for operating DG sets is being stored in HDPE drums at separate designated place. Storage is within the threshold limit hence clearance from chief control of explosive is not required.
VII.	<p>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.</p>	<p>Agreed.</p>

VIII.	A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.	Agreed. Records and documents showing compliance to all conditions of the EC letter will be maintained. Half yearly Compliance Reports for EC letter and Other statutory compliance reports will be submitted within the stipulated period and receipt records of the same will be maintained.
IX.	The project proponent shall also submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions including results of monitored data (both in hard & soft copies) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab on 1st June and 1st December of each calendar year.	Six monthly compliance reports are being submitted to the PPCB and Regional Office of MoEF&CC, GoI, Northern Region, Chandigarh and SEIAA, Punjab. Attached as Annex. 18
X.	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 APCCF, Regional Office of Ministry of Environment & Forests, Chandigarh.	Agreed. All possible assistances and cooperation will be given to the authority/MoEF &CC/board officials during their visits or inspections at the project site.
XI.	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.	Agreed. If any change in the scope of the proposed project will be required then a prior intimation seeking permission for the same will be given to the concerned authority.
XII.	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.	Agreed.
XIII.	The proponent shall upload the status of compliance of the stipulated EC conditions,	Agreed. A copy of the submitted EC compliance report will be

	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.	uploaded periodically at the company's website with the monitoring result of key environmental parameters. A display board of appropriate measurement showing pollutant levels for all the parameters will be erected in the public domain near to the project gate.
		Annexure -19
XIV.	The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.	Agreed. The storm water drains will be well designed to drain the excess rain water from impervious surfaces such as paved areas, car parks, footpaths, and sidewalks properly.
XV.	The unpaved area shall be more than or equal to 20% of the recreational open spaces.	Agreed. The greenbelt for the project will be developed in 21039.214 sqm which is 44.89% of the total plot area of the project. The allocated area for the development of greenbelt is more than 20% of area set for unpaved area.

B) SPECIFIC CONDITIONS :

PRE-CONSTRUCTION PHASE

S.N.	CONDITIONS	COMPLIANCE
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.	'Consent to Establish' dated 16 August, 2016 vide application no. 3943795 has been obtained from Punjab Pollution Control Board. Copy of the CTE is enclosed as Annexure-V . Later, Another 'Consent to Establish' NOC dated 4 October, 2016 with application no. 4524103 has been granted to the project for increasing the time period of the accord for Existing CTE Letter. Copy of the validity extension CTE is enclosed as Annexure-VI .
II.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Agreed. All measures are being taken and adopted to maintain adequate sanitation and hygiene at project site in both construction and operation phase. Activities like water sprinkling, solid waste management, sanitation facilities for workers and officials etc. are in priority.
III.	The approval of competent authority shall be	Letter dated May 11, 2017 approving the structural

	obtained for structural safety of the buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightning.	design of the project has been enclosed as Annexure VII.
IV.	Provision shall be made for the housing of construction labor 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.	A temporary labor colony has been developed near project site for the laborers with all basic amenities like safe drinking water, convenience complex etc. First aid box has been provided and made available 24*7 at site office. The generated sewage from the labor colony and the office is disposed to soak pits. Later in operation phase of the project, An anticipated quantum of 580 KLD of sewage will be treated by STP of GMADA. Picture of labor hutment and drinking water facility is enclosed as Annexure VIII.
CONSTRUCTION PHASE		
I.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Topsoil excavated during the construction activities has been stored and is being used for horticulture/landscape development within the project site.
II.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.	It is being ensured that Disposal of muck and debris during construction phase is not causing any adverse effect to the local environment. Preventive measures are being taken for the proper management of debris disposal.
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.	The solid waste and bituminous material and other hazardous materials are being managed during construction as per MSW rules, 2016 and as per Hazardous Wastes (Management and Handling) Rules, 2016.
IV.	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	All the vehicles engaged in bringing construction material to the site are in good condition and all the vehicles conform to applicable air emission standards.

	air emission standards.	
V.	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.	During Construction period, The water requirement of 186 KLD is being provided by treated water. Record for the same is being maintained.
VI.	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.	Fly ash based material/ products as per the provisions of fly ash notification of September, 1999 and as amended on 27 th August, 2003 is being used at site.
VII.	Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.	It is being complied.
VIII.	Adequate treatment facility for drinking water shall be provided, if required.	During construction phase, provision has been made for safe drinking water for people at project site. And during operation phase, RO water purifiers will be installed by individual occupants.
IX.	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.	Records of supply for both potable and STP treated water by tankers are being maintained daily. And during operation phase, Records for disposed sewage to STP GMADA will be maintained on daily basis.
X.	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 : Green (for reuse) d. Treated wastewater : Yellow (for discharge) e. Storm water : Orange	Dual plumbing will be provided. Treated effluent will meet specified norms and shall be used for flushing, gardening, DG cooling, etc. Dual plumbing plan is attached as Annexure – IX .
XI.	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.	It is being complied.
XII.	Separation of drinking water supply and treated sewage supply should be done by the	It is being complied.

	use of different colors.	
XIII.	(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 at least 30% of the open roof top area in the premises shall be installed for utilizing maximum solar energy. Also, solar lights shall be provided as proposed for illumination of common areas.	CFL and solar lights will be used for the saving of energy in both phases of project. After the Quantification of energy saving for operation phase, it is calculated that has 15.79% of total energy will be saved by the application of CFL and solar lights. Document reflecting same is enclosed as Annexure- X . 1548 sqm of area as 39% of total terrace area will be utilized to install solar panels which will generate 191 KW of solar power energy.
XIV.	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.	The diesel generators sets used during construction phase are run by low sulphur diesel and canopy/exhaust conform to the provision of Environment (Protection) Act, 1986 prescribed for air and noise emission standards as per CPCB.
XV.	Chute system, separate wet & dry bins at ground level and for common areas for facilitating segregation of waste, collection center and mechanical composter (with a minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.	Color bins will be placed for proper collection and segregation of generated solid waste on the basis of waste's nature. There is an estimate of 1,518 kg/day of solid waste will be generated at time of operation phase; which will be duly segregated into biodegradable and non-biodegradable through chute system. A separate area is earmarked for segregation of solid waste in the project. Photograph showing the same is attached as Annexure- XVI .
XVI.	A rainwater harvesting plan shall be designed where the re-charge bores (minimum one per 5000 sqm of built up area) shall be provided. Recharging wells for roof top run-off shall have provision of adequate treatment for removing suspended matter etc. before recharging as per the CGWA guidelines. Run-off from areas other than roof top such as green areas and roads/pavement etc. may also be recharged but only after providing adequate treatment to remove suspended matter, oil & grease etc. and ensuring that rainwater being recharged from these areas is not contaminated with pesticides, insecticides, chemical fertilizer etc.	Practice of rainwater harvesting will be done as per the plan discussed in the Conceptual Plan submitted to SEIAA, Punjab dated March 10, 2016 and CGWB guidelines. Rainwater harvesting will be done from roof top area which will be used to recharge aquifer. For the roof top area @8,231.390 sq.mt with annual average rainfall of 1061 mm and assuming run off coefficient 0.8, total runoff available will be 69,86,803.832 cum/year.
XVII.	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.	Green belt is being developed in the area of 21,039.214 sqm which is 44.89% of total plot area 46861.50 sqm allocated for the project. Green belt is being developed as per the approved layout plan by competent authority.

The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. A minimum of one tree for every 80 sqm of land shall be planted and maintained. The existing trees may be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of three trees for every one tree that is cut) shall be done with the obligation to continue maintenance.

Indigenous species of trees will be planted and efforts will be made to achieve higher level of survival rate of the saplings of the trees. Pictures of the green belt are enclosed as **Annexure-XI**.

OPERATION PHASE :

I.	<p>"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.</p>	<p>Consent to Operate (Air & Water) will be obtained before operation of the project from Punjab Pollution Control Board.</p> <p>Copy of the granted CTO will be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority at the time of start of operation.</p> <p>As of the present date, project is in its construction phase and pictures of the construction activity have been enclosed as Annexure-XII</p>																
II.	<p>The total water requirement for the project will be 725 KL/day out of which 535 will be met through water supply of GMADA and 190 KLD will met through treated waste water from STP of GMADA.</p>	<p>Agreed.</p> <p>During operation phase, water supply will be provided by GMADA. The total water requirement is 725 KLD out of which 535 will be required as potable water and 190 KLD of STP treaded water will be required for flushing and horticulture purpose. Treated sewage water will be supplied by the STP of GMADA.</p>																
III.	<p>a) The total wastewater generation from the project will be 580 KL/day, which will be treated in a STP of GMADA. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as below.</p> <table><tr><td>Season</td><td>Reuse for flushing (KLD)</td><td>For irrigation purposes (KLD)</td><td>Discharge into GMADA sewer (KLD)</td></tr><tr><td>Summer</td><td>190</td><td>116</td><td>262</td></tr><tr><td>Winter</td><td>190</td><td>38</td><td>340</td></tr><tr><td>Rainy</td><td>190</td><td>11</td><td>367</td></tr></table> <p>b) Storage tank of adequate capacity shall be provided for the storage of treated</p>	Season	Reuse for flushing (KLD)	For irrigation purposes (KLD)	Discharge into GMADA sewer (KLD)	Summer	190	116	262	Winter	190	38	340	Rainy	190	11	367	<p>Agreed.</p> <p>580 KLD of sewage will be generated from the project in operation phase and will be treated in the GMADA STP.</p> <p>The reuse of treated water and its surplus discharge in the GMADA sewer will done as per the description in the Environment Clearance letter granted to the project. The quantum for treated water to be reused and surplus treated water to be discharged will be differ on the basis of seasons of a year. Description for the same has been mentioned in the EC letter. Records for intake of treated water and disposal of wastewater will be maintained on daily basis.</p> <p>Storage tanks of adequate capacity for storing of STP treated water will be provided.</p>
Season	Reuse for flushing (KLD)	For irrigation purposes (KLD)	Discharge into GMADA sewer (KLD)															
Summer	190	116	262															
Winter	190	38	340															
Rainy	190	11	367															

	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.	During Construction period, a demand of 186 KLD of water for construction activities is being fulfilled by the treated water from STP of GMADA.
IV.	The project proponent shall ensure safe drinking water supply to the habitants.	Agreed.
V.	The wastewater generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC etc.	Agreed. Waste water generated from the swimming pool will be used for greenbelt and DG cooling.
VI.	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.	Agreed. Proper record will be maintained for water consumption and disposal on daily basis.
VII.	Rainwater harvesting/recharging systems shall be operated and maintained properly as per CGWA guidelines.	Agreed. Rainwater harvesting system will be developed, operated and maintained as per the CGWB guidelines.
VIII.	The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as chute system, wet & dry bins, collection Centre & mechanical composter etc. shall be properly maintained chute system provided for collection of solid waste. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors for which a written tie-up must be done with the authorized recyclers. Organic waste shall be composted by mechanical composters with a minimum capacity of 0.3kg/tenement/day and the inert solid waste shall be sent to the concerned collection center of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.	Measures will be adopted for proper collection and segregation of generated solid waste on the basis of waste's nature. The generated solid waste will be duly segregated into biodegradable and non-biodegradable through chute system. A separate area will be earmarked for segregation of solid waste in the project site. The recyclable waste will be sold to the resellers. Records for the same will be maintained. Biodegradable waste will be composited by use of mechanical composter.
IX.	Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.	Used oil generated from DG sets will be disposed as per the Hazardous waste (Management, Handling and Trans boundary Movement) Rules, 2016. For disposal of E waste, E waste (Management) Rules,

		2016 will be followed.
X.	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.	No traffic congestion will be allowed to happen near the entry and-exit points. Parking will be fully internalized. No public space will be used for the same.
XI.	The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.	Completion and occupancy certificate will be obtained from GMADA before any occupancy and a copy of the same will be submitted to SEIAA, Punjab.
XII.	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.	Green belt will be developed along the periphery of the project site which will act as a sound barrier.
XIII.	Solar power plant and other solar energy related equipment's shall be operated and maintained properly.	Agreed.
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 &CC, the Zonal Office of CPCB and the SPCB/SEIAA in three months' time.	Report on energy conservation measure conforming to energy conservation norms finalized by BEE will be prepared and submitted to SEIAA, Punjab in due course of time.
XV.	Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.	Environmental Management Cell has been set up and it is supervising and monitoring the environment related aspects of the project.

C) : GENERAL CONDITIONS :

PRE-CONSTRUCTION PHASE

S.N.	CONDITIONS	COMPLIANCE
I.	This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.	Agreed.

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 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.	Advertisements have been made in the newspapers about the granting of the environment clearance letter to the project by SEIAA, Punjab. Record for the same has been maintained and enclosed as Annexure-XIII .
III.	The project proponent shall obtain permission from the CGWA for abstraction of groundwater & digging of bore well(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any bore well(s) exist at site.	There will be no groundwater extraction for the fulfillment of water demand for both phases of the project. Water will be supplied from GMADA. Prior permission will be taken from CGWA, if it will be required.
IV.	The project proponent shall obtain CLU from the competent authority.	Since this is a auctioned site purchased from PUDA, CLU is N/A.
V.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila 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.	Agreed.

CONSTRUCTION PHASE

I.	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.375 Lacs towards capital investment, Rs.21.9 Lacs/annum towards recurring expenditure and Rs.300 Lacs towards CSR activities as proposed in addition to the amount to be spent under the provisions of the Companies Act 1956.	Agreed. CSR activities will be done as per the commitment made and reflected in the EC letter to adhere Companies Act 1956. Details of the activities done will be intimated to the SEIAA, Punjab and other concerned authorities.
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OPERATION PHASE

I.	a) The entire cost of the environmental management plan will continue to be borne	Agreed. The entire cost of the environmental management plan
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	<p>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. The project proponent shall spend minimum amount of Rs.21.9 Lacs/annum towards recurring expenditure as proposed in the EMP.</p> <p>b) The project proponent shall adhere to the commitments made in the proposal for CSR activities and shall spend a minimum amount of Rs.300 Lacs towards following CSR activities:</p> <p>(i) Developing and maintenance of landscaping work in green park in an area of 4.5 acres in Sector-88, SAS Nagar.</p> <p>(ii) Landscaping and maintenance of 4 no. island intersection of Sector roads 150 ft. and 170 ft. wide roads.</p>	<p>(i.e. capital costs well as recurring cost) will be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/residents society under MoU.</p>
II.	<p>The diesel generator sets to be provided shall conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986. The exhaust pipe of DG set if installed must be minimum 10 m away from the building or in case it is less than 10 m away, the exhaust pipe shall be taken up to 3 m above the building.</p>	<p>The installations and operations of DG sets will conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.</p> <p>The exhaust pipe or stack will be erected as per the CPCB norms.</p>

2.0 Compliance to Environmental Impact Assessment Guidance Manual, 2010 of MoEF&CC

S. No.	Points as per EIA Guidance Manual	Status of Compliance
A.	Air Environment	
1.	<p>Wind erosion is a serious problem in areas where the ground is virtually bare and devoid of vegetation. Vegetation methods are found to be most effective in the form of windbreaks and shelterbelts.</p>	<p>To prevent wind erosion boundary wall of 3m is built around the project site.</p>

S. No.	Points as per EIA Guidance Manual	Status of Compliance
2.	Sprinkling of water and fine spray from nozzles to suppress the dust.	Water sprinkling is regularly carried out through water tanker at site for dust suppression. Photographs showing the same is attached as Annexure- XVII .
3.	On-Road-Inspection should be done for black smoke generating machinery.	All the machineries deployed at site are of highest standard and of reputed make and comply with emission & noise standards within the permissible ranges.
4.	Promotion of use of cleaner fuel should be done.	DG sets of latest technology based on low sulphur diesel are being used. Log books are maintained for the same.
5.	All DG sets should comply emission norms notified by MoEF.	The DG sets are installed in factory made acoustic enclosures which conform to the permissible air emission and noise standards notified by MOEF&CC. Monitoring of emissions of DG sets is also carried out periodically. Adequate stack height will be provided as per CPCB guidelines during operation phase.
6.	Vehicles having pollution under control certificate may be allowed to ply.	Agreed. Vehicles having PUC are only allowed inside the project site during construction stage.
7.	Use of covering sheet to prevent dust dispersion at buildings and infrastructure sites, which are being constructed.	The exposed areas are sprinkled to prevent dust emissions due to the wind. Greenery will be developed during the operation phase of the project for binding the loose soil. The site is enclosed with 3 m high barricade wall around the project boundary which acts as a wind breaker. Tarpaulin sheets are used to cover construction material.
8.	Use of covering sheets should be done for trucks to prevent dust dispersion from the trucks, implemented by district offices.	Trucks are being covered with sheets to prevent dust dispersion from the trucks.
9.	Paving is a more permanent solution to dust control, suitable for longer duration projects. High cost is the major drawback to paving.	For construction phase, access roads have been covered with gravels to prevent dust emission.
10.	Reducing the speed of a vehicle to 20 km/h can reduce emissions by a large extent. Speed bumps are commonly used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, it may be necessary to divert traffic to nearby paved areas.	Temporary speed breakers/barriers have been provided to reduce the speed of vehicles.

S. No.	Points as per EIA Guidance Manual	Status of Compliance
11.	Material storages/ warehouses-Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust/ particulate emissions. Fabrics and plastics for covering piles of soils and debris is an effective means to reduce fugitive dust.	Construction materials like cement, sand and aggregates are properly covered and stored at site.
B.	Noise Environment	
1.	Setting up the barriers: National Building Code 2005 suggests that design solutions such as barrier blocks should be used to reduce external LA10 noise levels to at least 60-70dB(A) at any point 1.0 m from any inward looking façade.	The DG sets are acoustically enclosed which conform to the noise standards notified by MoEF & CC
C.	Water Environment	
1.	Curing water should be sprayed on concrete structures; free flow of water should not be allowed for curing.	Curing water will be sprayed to reduce water consumption.
2.	After liberal curing on the first day, all concrete structures should be painted with curing chemical to save water. This will stop daily water curing hence save water.	Agreed and will be complied with.
3.	Concrete structures should be covered with thick cloth/gunny bags and then water should be sprayed on them. This would avoid water rebound and will ensure sustained and complete curing.	Agreed and will be complied with.
4.	Ponds should be made using cement and sand mortar to avoid water flowing away from the flat surface while curing	Ponds have been made using cement and sand mortar to avoid water flowing away from the flat surface while curing.
5.	Water ponding should be done on all sunken slabs; this would also highlight the importance of having an impervious formwork.	Agreed.

ANNEXURES

Test Report

Report Code: A20190401-006

Issue Date: 01.04.2019

Issued To: Group Housing project, "Hero Homes", Sector- 88,
SAS Nagar, Mohali Punjab.

Analysis Duration: 06.03.2019 to 30.03.2019

Sample Description: Ambient Air

RESULTS

Ambient Air Quality Analysis

SAMPLING DETAILS

Sampling Location	: Project Site
Sample Collected by	: Mr. Rahul Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Location w.r.t. Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle / Zip Polybag & HH/MAR/A001-008

S. No.	Date	Test Parameter				
		Particulate Matter (PM2.5); $\mu\text{g}/\text{m}^3$	Particulate Matter (PM10); $\mu\text{g}/\text{m}^3$	Sulphur Dioxide (SO ₂); $\mu\text{g}/\text{m}^3$	Nitrogen Dioxide (NO ₂); $\mu\text{g}/\text{m}^3$	Carbon Monoxide, (CO) $\mu\text{g}/\text{m}^3$
		GRC/LAB/SOP/AIR/03, Gravimetric Method	IS 5182 (Part 23):2006 (RA 2017)	IS 5182 (Part 2):2001, (RA 2017)	IS 5182 (Part 6):2006 (RA 2017)	IS 5182 (Part 10):1999, (RA 2014)
1	04.03.2019	36.8	74.2	6.4	18.8	740
2	07.03.2019	53.9	90.7	7.4	22.7	730
3	11.03.2019	55.4	84.3	6.6	21.2	820
4	14.03.2019	57.8	89.2	5.9	24.5	770
5	18.03.2019	43.4	85.1	7.7	24.2	750
6	22.03.2019	54.9	94.7	6.4	21.3	850
7	25.03.2019	41.5	80.9	7.1	24.5	950
8	28.03.2019	37.8	66.3	6.3	17.8	870
NAAQS, For 24 Hourly Monitoring		60	100	80	80	4000

****End of Report****

Narender Singh (Chemist)

Authorized Signatory
(Seal & Signature)

Note:

1. The results indicated only refer to the tested samples and listed parameters and do not endorse any product
2. This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.
3. This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory
4. The samples received shall be destroyed after 30 days from the date of issue of the certificate unless specified otherwise and sample for biological testing will be destroyed after one week of testing.



GRC India

GRC INDIA TRAINING & ANALYTICAL LABORATORY

(A unit of Grass Roots Research & Creation India (P) Ltd.)

An ISO 9001: 2008, ISO 14001: 2004 & OHSAS 18001: 2007 Certified Lab.

Recognized by Ministry of Environment, Forest & Climate Change (MoEF&CC, GOI) under the E (P) Act, 1986
NABL Accredited Laboratory (A Constituent Board of QCI), TC 7501

Head Office: F-375, Sector-63, Noida, Gautam Budh Nagar, U.P - 201 301

Phone No.: 0120 - 4044630, 4044660, 4323120, Fax: 0120 - 2406519, 0120 - 4044675

Website: <https://www.grc-india.com>, E-mail: lab@grc-india.com; info@grc-india.com

Test Report

Report Code: S20190319-006

Issued To: Group Housing project, "Hero Homes", Sector- 88,

SAS Nagar, Mohali Punjab.

Sample Description: Soil

Issue Date: 19.03.2019

Sample Received on: 08.03.2019

Analysis Duration: 08.03.2019 to 18.03.2019

RESULTS

Soil Quality Analysis

SAMPLING DETAILS

Date of Sampling

Sampling Location

Sample Collected by

Sampling Protocol

Weather Condition

Sample Quantity

Sample Packing & Marking

: 07.03.2019

: Project Site

: Mr. Rahul Singh

: GRC/LAB/STP/SOIL/01

: Clear Sky

: 5 kg

: Zip Polybag; HH/MAR/SQ1

S. No.	Parameters	Units	Results	Test Method
1	Texture*	-	Sandy Clay Loam	IS: 2720 (part-4), 1985 (RA 2015)
	Sand	%	55.4	
	Silt	%	17.1	
	clay	%	27.5	
2	pH (1:2)	-	7.85	IS: 2720 (part-26), 1987 (RA 2011)
3	Electrical Conductivity (1:2)	µmhos/cm	475	IS: 1476 2002 (RA 2016)
4	Cation exchange capacity*	meq/100 gm	14.0	IS : 2720 (Part-24)-1976(RA 2015)
5	Exchangeable Potassium	meq/100 gm	0.32	GRC/LAB/SOP/SOIL/07 dt: 2011
6	Exchangeable Sodium	meq/100 gm	0.63	GRC/LAB/SOP/SOIL/06 dt: 2011
7	Exchangeable Calcium	meq/100 gm	9.51	GRC/LAB/SOP/SOIL/08 dt: 2011
8	Exchangeable Magnesium	meq/100 gm	3.56	GRC/LAB/SOP/SOIL/08 dt: 2011
9	Sodium Absorption Ratio*	-	0.78	GRC/LAB/SOP/SOIL/20 dt: 2011
10	Water Holding Capacity*	%	28.7	GRC/LAB/SOP/SOIL/13 dt: 2011
11	Porosity*	%	38.8	GRC/LAB/SOP/SOIL/19 dt: 2011
12	Permeability*	cm/hrs	2.5	IS : 2720 (Part-17)-1986 (RA 2016)
13	Total kjehdahl Nitrogen	%	0.047	GRC/LAB/SOP/SOIL/18 dt: 2011
14	Phosphorus(Olsen's)	mg/kg	7.8	GRC/LAB/SOP/SOIL/10 dt: 2011
15	Organic Matter	%	0.33	IS : 2720 (Part-22)-1972(RA 2015)
16	Bulk Density *	gm/cc	1.32	IS: 2720 (part-28), 1974 (RA 2015)

Note:- The Parameter Mark with an * are not accredited by NABL.

****End of Report****


R.S. Bhawar (DGM)
Authorized Signatory
(Seal & Signature)

Note: 1. The results indicated only refer to the tested samples and listed parameters and do not endorse any product

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3. This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory

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Test Report

Report Code: N20190309-006

Issue Date: 09.03.2019

Issued To : Group Housing project, "Hero Homes", Sector- 88,
SAS Nagar, Mohali Punjab.

Data Received on: 08.03.2019

Sample Description: Ambient Noise

RESULTS

Ambient Noise Level

MONITORING DETAILS

Date of Monitoring : 07.03.2019
Monitoring Done by : Mr. Rahul Singh
Monitoring Protocol : GRC/LAB/STP/NOISE/01 dated: 05.01.2011
Weather Condition : Clear Sky
Monitoring Duration : 24 Hours

S. No.	LOCATION	ZONE	Limit for As Per E(P)A,1986 ; Leq, dB (A)		Observed Value Leq, dB (A)	
			Day Time*	Night Time**	Day Time*	Night Time**
1	Project Site	Residential Area	55	45	58.7	45.6
	* Day Time	6.00 a.m. to 10.00 p.m				
	**Night Time	10.00 p.m. to 6.00 a.m.				

****End of Report****

Narender Singh (Chemist)

**Authorized Signatory
(Seal & Signature)**

Note: 1. The results indicated only refer to the tested samples and listed parameters and do not endorse any product
 2. This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.
 3. This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory
 4. The samples received shall be destroyed after 30 days from the date of issue of the certificate unless specified otherwise and sample for biological testing will be destroyed after one week of testing.

Annexure -III

Regd Post/Fax


Wg Cdr

Tele: 011-23010231/5218 (Extn)

Dte of Ops (ATS)
Air Headquarters
Vayu Bhawan
Rafi Marg
New Delhi -110106

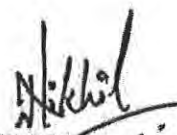
Air HQ/S 17726/4/1/ATS (BM-V)

Jul 16

Hero Realty Pvt Ltd
264, Ground Floor
Okhla Industrial Estate,
Phase-III,
New Delhi-110020
(Fax:011-47467070)

NOC FROM AVIATION ANGEL FOR CONSTRUCTION OF BUILDING

1. Please refer your letter dated 13 Jul 16.
2. Annexed herewith please find a duplicate copy of NOC issued by this HQs vide our letter No. Air HQ/S 17726/4/ATS (Ty BM-MMCDXLI) dated 09 Jun 16 as desired vide your ibid letter dated 13 Jul 16.
3. Forwarded for your information & further necessary action.


(Nikhil Kumar)
Wg Cdr
JD Ops (ATS)

Annexure:- As stated.

Regd Post

Tele: 23010231/5216

Directorate of Ops (ATS)
Air Headquarters
Vayu Bhawan
Rafi Marg
New Delhi -110106

Air HQ/S 17726/4/ATS (Ty BM-MMCDXLI)

09 Jun 16

✓
Hero Realty Pvt Ltd
C/o 264, Ground Floor, Okhla Industrial Estate,
Phase 3, New Delhi-110020

**NOC FROM AVIATION ANGLE FOR
CONSTRUCTION OF BUILDING**

Dear Sir,

1. Please refer your application on the subject.
2. The application has been examined under Gazette of India GSR-751 (E), Works of Defence Act 1903 and other relevant orders on the subject. Air HQ has no objection for construction of 80 metres high Building at Hero Homes, Group Housing Site N.1, Sector -88, SAS Nagar, Punjab **subject to the following conditions:**
 - (a) The NOC is from 'Aviation angle' with respect to Air Force Station Chandigarh cannot be used as document for any other purpose/ claim whatsoever, including ownership of land.
 - (b) The applicant is responsible to obtain NOC/ all statutory clearances from the concerned authorities including approval of building plans. Clearance shall also be obtained separately from any other defence establishment in the vicinity of proposed construction.
 - (c) The site elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation of the proposed structure. If, however, at any stage it is established that the actual site elevation and site coordinates are different from those provided by the applicant, the NOC will be invalid.
 - (d) The issue of the NOC is further subject to the provisions of Sec 9 A of the Indian Aircraft Act, 1934 and those of any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by buildings and trees etc) Rules, 1994.
 - (e) Vertical extent (highest point) of the building(s) proposed at below mentioned coordinates shall not exceed 390 metres above mean sea level or 80 metres above ground level **whichever is lower**. No extension or structure permanent or temporary (eg. Cranes, Antennas, mumtee, Lighting Arresters, lift machine room, overhead water tank, cooling towers, sign

boards, any attachment of fixtures of any kind) shall be permitted above the cleared height.

(f) Standard obstruction lightings as per IS 5613 notification and International Civil Aviation Organization (ICAO) standards as stipulated in ICAO-Annex-14 is to be provided by the company. The lights shall be kept 'ON' at all times. Provision shall be made for standby power supply to keep the lights 'ON' during power failure. Company shall carry out periodic maintenance of the lights to keep them in serviceable and visible condition.

(g) A garbage treatment plant shall be installed prior to the construction of buildings for the purpose of avoiding bird activity. The plant shall be shown to the AOC or his nominated representative at Air Force Station Chandigarh on installation.

(h) No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time during or after the construction of the building.

(j) The commencement and completion of construction including installation of obstruction lights shall be intimated to AOC, AF Station Chandigarh and CATCO, WAC, IAF, Subroto Park, New Delhi-110010. Failure to render these certificates within the stipulated time shall lead to cancellation of NOC.

(k) The NOC is valid for five years from the date of its issue. If the building/ structure/ chimney is not constructed and completed within this period, the applicant shall be required to obtain a fresh NOC from Indian Air Force. Request for revalidation of NOC will not be entertained after the expiry of validity period.

(l) The applicant shall obtain necessary security clearance from MHA/IB prior to employing any foreign National at the site.

Yours faithfully,


(BJ Mammen)
Group Captain
Director Operations (ATS)

**DEPARTMENT OF FORESTS & WILDLIFE
CHANDIGARH ADMINISTRATION**

Off.: Paryavaran Bhawan (2nd Floor), Sector-19-B, Madhya Marg, Chandigarh - 160019
E-mail address: cf.chandigarh@gmail.com Tel: 0172-2700217 Fax: 2700264

No. For/16/3748

Dated: 02/03/2016

To

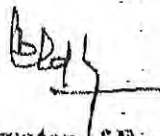
Hero Realty Private Limited,
Hero Homes,
Site No.1, Sector-88,
SAS Nagar, Mohali.

Subject: Opinion of Wildlife clearance from NBWL for our Group Housing project "Hero Homes" Site No.1, located at Sector-88, Distt.S/S Nagar, Punjab.

Reference your Letter No. HRPL/HH/SAS/2016/05 dated 01.02.2016, on the subject cited above.

Please find enclosed herewith 5 copies of map, duly authenticated the distance of your project as shown by you, from Sukhna Wildlife Sanctuary and City Bird Sanctuary as desired.

Encl./As above


Deputy Conservator of Forests &
Deputy Chief Wildlife Warden,
Chandigarh Administration. *AK*



PUNJAB POLLUTION CONTROL BOARD ZONAL OFFICE-I, PATIALA

Website:- www.ppcb.gov.in

Industry ID: R16SAS3917486

Date : 16/08/2016

Application No : 3943795

To

M/s Hero homes
Residential group housing site-1, hero homes, sector- 88, sas nagar, punjab
Mohali
160055
Tehsil: Mohali
District: Sas nagar

Subject : Grant of 'Consent to Establish' (NOC) for an industrial unit u/s 25 of Water(Prevention & Control of Pollution)Act, 1974 and u/s 21 of Air(Prevention & Control of Pollution)Act, 1981.

With reference to your application for 'Consent to Establish'(NOC) an industrial plant u/s 25 of Water(Prevention & Control of Pollution)Act, 1974 and u/s 21 of Air(Prevention & Control of Pollution)Act, 1981, you are, hereby, permitted to establish the industrial or an expansion addition to discharge the effluent(s) & emission(s) arising out of your premises subject to the following conditions:

A. Particulars of the Industry

Name of the Applicant				Yogesh Verma	
Address of industrial premises				M/s Hero homes Residential group housing site-1, hero homes, sector- 88, sas nagar, punjab Mohali 160055 Tehsil : Mohali District : Sas nagar	
Capital investment of the industry				37601.25 lakhs	
Scale of the industry				Large	
Office District				SAS Nagar	
NOC fee details				Rs. 9,00,000/- vide UTR no. KKBKR52016031800797414 dated 18/03/2016.	
Fee For	Bank Name	Branch Name	Draft No./Money Receipt No.	Date	Amount (In Rupees)
Raw Materials name with quantity per day				Not applicable being construction project.	

Products with quantity per day	Dwelling Units @ 719 Number Community building @ 2475.30 Sq.m Convenient Shopping @ 374.10 Sq.m
By-Products, if any, with quantity per day	Not applicable
Details of machinery and process	As per NOC application no. 3943795.
Details of Effluent Treatment plant	Domestic Effluent @ 643.0 KLD to be treated in STP of 1013 KLD capacity as per the scheme submitted.
Mode of Disposal	To be reused for flushing by adopting dual plumbing system, onto land for maintaining green area of 5.198 acres & excess to GMADA sewer.
Standards to be achieved under Water(Prevention & Control of Pollution) Act, 1974	As prescribed by MOEF / Board.
Sources of emissions and type of pollutants	-
Mode of disposal of emissions with stack height	-
Quantity of fuel required in TPD	-
Type of Air Pollution Control Devices to be installed	-
Standards to be achieved under Air(Prevention & Control of Pollution) Act, 1981	As prescribed by MOEF / Board.

B. Particulars of Consent to Establish (NOC) granted to the industry

No. R16SASCTE3943795	Date of issue :16/08/2016
	Date of expiry :15/08/2017

C. Main Conditions :

1. The Punjab Pollution Control Board has no objection for development / establishment of residential group housing project of 719 dwelling units on 74,826.3 sq.mt. land in Sector-88, SAS Nagar having built up area 1,44,925.274 sqm. in the name of "Hero Homes RH-1".
2. The project has been approved by the Board from pollution angle and the promoter shall obtain the approval of site etc. from other concerned departments.
3. The project proponent shall obtain Environmental Clearance as required under the provisions of EIA notification dated 14/09/2006 and shall not carry out any development / construction activity without obtaining the same.
4. The project proponent shall provide STP, as per scheme submitted, to treat the wastewater of its project to the standards prescribed by the Board, in case of non provision of adequate and appropriate STP by GMADA to treat wastewater to be generated from the project.
5. The project proponent shall provide dual plumbing system for use of treated wastewater in the flushing as per the proposal and shall use 190 KLD treated wastewater for flushing, 11 KLD to 116 KLD for maintaining green belt of 21,039 sq.mt. and the balance from 324 KLD to 429 KLD into GMADA sewer, after treatment.
6. The promoter shall develop its residential complex strictly in accordance with the plans approved by the Competent Authority.
7. The project proponent shall obtain permission from the CGWA for the abstraction of groundwater.
8. The project proponent shall obtain the permission from the Airports Authority regarding allowable height of the

building.

9. The project proponent shall laid-down network of pipelines for carrying treated wastewater from STP to the plantation area / green belt of different pockets for proper utilization.

10. The promoter shall provide the septic tank(s) of adequate capacity for treatment of wastewater to be generated in the initial stages of occupancy in addition to construction of STP for full discharge to be generated from the residential complex at its full occupancy simultaneously alongwith the development of the residential complex and the treated wastewater shall conform to the effluent standards adopted by the Board for such discharges.

11. The adequacy and efficacy of the septic tanks / sewage treatment plant will be the entire responsibility of the promoter.

12. The promoter shall regularly operate and maintain its septic tanks/ sewage treatment plant and ensure that the treated sewage conforms to the effluent standards prescribed by the Board for such discharges.

13. (i) The promoter shall lay down pucca distribution network/pipe grid from the STPs to the various green lawns / stretches / flushing and the land available for utilization of treated domestic effluent onto land for horticulture / gardening / flushing and shall not allow it to stagnate anywhere inside or outside the residential complex.

(ii) The promoter shall use treated wastewater for flushing purposes and irrigation of green area upto maximum extent within the complex conforming to the effluent standards prescribed by the Board.

14. The project proponent shall not discharge the treated effluent into any drain.

15. The promoter shall irrigate the green belt / area to be developed within the residential complex with the treated wastewater only and no fresh water will be used for this purpose. The promoter shall make adequate arrangements i.e. lay down separate network of pipelines for this purpose simultaneously, alongwith the development of the residential complex.

16. The promoter shall install separate energy meter for its sewage treatment plant and maintain the record on daily basis of consumption of energy for the running and maintenance of sewage treatment plant.

17. The promoter shall adopt a suitable management system for collection, segregation, treatment and disposal of solid waste as per provisions contained in the Municipal Solid Waste (Management & Handling) Rules, 2000.

D. General Conditions :

1. The project proponent will not allow any occupancy in the project till such time adequate and appropriate arrangements are made for the treatment and disposal of treated effluent and solid waste.

2. The promoter shall provide proper and adequate arrangements for rainwater harvesting to take care of ground water re-charging in the area.

3. The promoter shall put up enclosure (canopy) around its DG set(s) and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admn./SA-2/F.No.783/2010/448 dated 8/6/2010.

4. The promoter shall take all necessary measures to prevent and control environmental pollution during the construction / development activities of the residential complex.

5. The promoter shall construct a pucca storage tank of sufficient capacity to hold back the wastewater in case of failure of sewage treatment plant.

6. The promoter shall obtain the authorization under Solid Waste Management Rules, 2016 (if applicable) and dispose-off solid waste to be generated from the residential complex to the satisfaction of the Board.

7. The promoter shall submit the compliance report of the conditions of this NOC to the Board to ensure that adequate arrangements for treatment and disposal of sewage and solid waste have been made.

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8. The promoter shall provide sufficient thick green belt within the premises of the residential complex as per the norms of PUDA.
9. The promoter shall obtain the 'consent to operate' of the Board as required under the provisions of Water (Prevention & Control of Pollution) Act, 1974 before operating an outlet.
10. Nothing in this N.O.C. shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities or penalties to which the applicant is or may be subjected under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Environment (Protection) Act, 1986.
11. The promoter shall provide terminal manhole at the end of collection system and a manhole upstream of final outlet (s) out of the residential complex for measurement of flow and for taking samples.
12. All the underground water retaining structures shall be lined with an impervious layer so as to avoid seepage and contamination of sub-soil/water.
13. The promoter shall, for the purpose of measuring and recording the quantity of water consumed, affix meters of such standards at such places as approved by the Environmental Engineer, Punjab Pollution Control Board, Regional Office, S.A.S. Nagar.
14. All amendments/revisions made by the Board in the effluent standards shall be applicable to the promoter from the date of such amendments/revisions.
15. The promoter shall furnish returns of water consumption as required u/s 5 of the Water (Prevention & Control of Pollution) Cess Act, 1977 and comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977.
16. The promoter shall adopt proper technology for converting organic solid waste into manure and use this as manure alongwith the STP sludge.
17. The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odour problem on the nearby residential area.
18. The promoter shall ensure that there is no obstruction to natural flow of rainwater due to construction of boundary of the residential complex.
19. The Board reserves the right to revoke this 'consent to establish' (NOC) at any time, in case, the promoter is found violating any of the conditions of the 'consent to establish' (NOC) and/or provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986.

for & on behalf of

Pb. Pollution Control Board

Endst. No. _____ Dated _____

A copy of the above is forwarded to the Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar for information & necessary action.

for & on behalf of

Pb. Pollution Control Board

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PUNJAB POLLUTION CONTROL BOARD
ZONAL OFFICE-I, PATIALA

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R16SAS3917486

Application No : 4524103

To,

Yogesh Verma
M/s. Hero Realty Pvt. Ltd. # 264, Ground Floor, Okhla Phase-3, New Delhi-110020
Delhi, Delhi-110020

Subject: Extension in the validity of 'consent to establish' (NOC) no. R16SASCTE3943795 dated 16/08/2016 granted under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981.

1. Particulars of Consent to Establish (NOC) for Extension granted to the Industry

Certificate No.	CTE/Ext/SAS/2016/4524103
Date of issue :	04/10/2016
Date of expiry :	15/08/2021
Certificate Type :	Extension
Previous CTE/CTO No. & Validity :	R16SASCTE3943795 From: 16/08/2016 To: 15/08/2017

2. Particulars of the Industry

Name & Designation of the Applicant	Mr Dilpreet Singh, (Authorized Signatory)
Address of Industrial premises	Hero homes, Residential group housing site-1, hero homes, sector- 88, sas nagar, punjab, Mohali, Sas nagar-160055
Category of Industry	Red
Type of Industry	Building, Const. projects, Township & Area development covered under EIA notification dated 14/9/06
Scale of the Industry	Large
Office District	Sas nagar

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Hero homes, Residential group housing site-1, hero homes, sector- 88, sas nagar, punjab, Mohali, Sas nagar, 160055

Page 1

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This has reference to the application made by the project proponent for extension in the validity of 'consent to establish' (NOC) granted by the Board under the Water Act, 1974 & the Air Act, 1981.

The consent to establish (NOC) no. R16SASCTE3943795 dated 16/08/2016 granted to the project proponent under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, is hereby, extended upto 15/08/2021 with the same conditions mentioned therein.

All other contents shall remain unchanged. This letter be appended with the original NOC no. R16SASCTE3943795 dated 16/08/2016 issued to the project proponent vide letter no. 4742 dated 16/08/2016 under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.

**ENVIRONMENTAL ENGINEER,
ZONAL OFFICE-I, PATIALA**

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

1. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar.



**ENVIRONMENTAL ENGINEER,
ZONAL OFFICE-I, PATIALA**

For & on behalf

of

(Punjab Pollution Control Board)

Date: 28.01.2019

Project - Hero Homes-Phase-1, Plot bearing Group housing Society Plot-01, S A S Nagar, Sector-88, Mohali (Punjab).

With Reference: IITD/BCVL/SHBIS/CW14016/002 subject-Report on structure designs of Towers 2,3 and 5. And my site visit to mentioned project on 03.10.2018 for getting project status report of Phase-1 i.e. Tower 2,3,4,5,6,7 and 8.

We confirm that:

1. The provisions of the National Building Code of India framed by the Bureau of Indian Standards/any other statutory authority in force and/or as amended from time to time or any statutory re-enactment thereof have been complied with in relation to the Project.
2. The structural design of the buildings and/or structures proposed to be constructed (forming part of the Project) with respect to wind load and earth quake loads.
3. The structural design with wind load and earth quake loads are / shall be incorporated in the actual construction of the Project (applicable to both new construction to the entire range of housing construction, buildings and non-buildings) as per Good for Construction drawings released by us.
4. All the rules, regulations, notifications, guidelines or directives of the National Disaster Management Authority / any other statutory authority in force and/or as amended from time to time or any statutory re-enactment thereof governing disaster management have been complied with in relation to the project.
5. This certification by undersigned, Dr. Rajeev Dua, is on the basis of physical site visit on 03.10.2018 for site status and vetting by Dr. Shashank Bishnoi (Associate Professor) of IIT Delhi for Towers 2, 3 and 5. As noted from the office of Hero Realty Pvt. Ltd., Towers 4, 6, 7 and 8, the structural and architectural designs are same as mentioned in the report given by Associate Professor of IIT Delhi on 11.05.2017.

Thanking you.

Yours faithfully,



Dr. Rajeev Dua

Dr. Shashank Bishnoi
Associate Professor
Department of Civil Engineering
Indian Institute of Technology Delhi
Haus Khas, New Delhi 110016
India
Phone: +91-11-2659-1185 (O)
e-mail: shashank.bishnoi@civil.iitd.ac.in



To,
Hero Realty Pvt. Ltd.
264, Ground Floor,
Okhla Industrial Estate, Phase III,
New Delhi 110020

Dated: 11.05.2017

Ref: IITD/BCVL/SHBIS/CW14016/002

Subject: Report on structural designs of Towers 2, 3 and 5 Hero Homes, Mohali

Dear Sir,

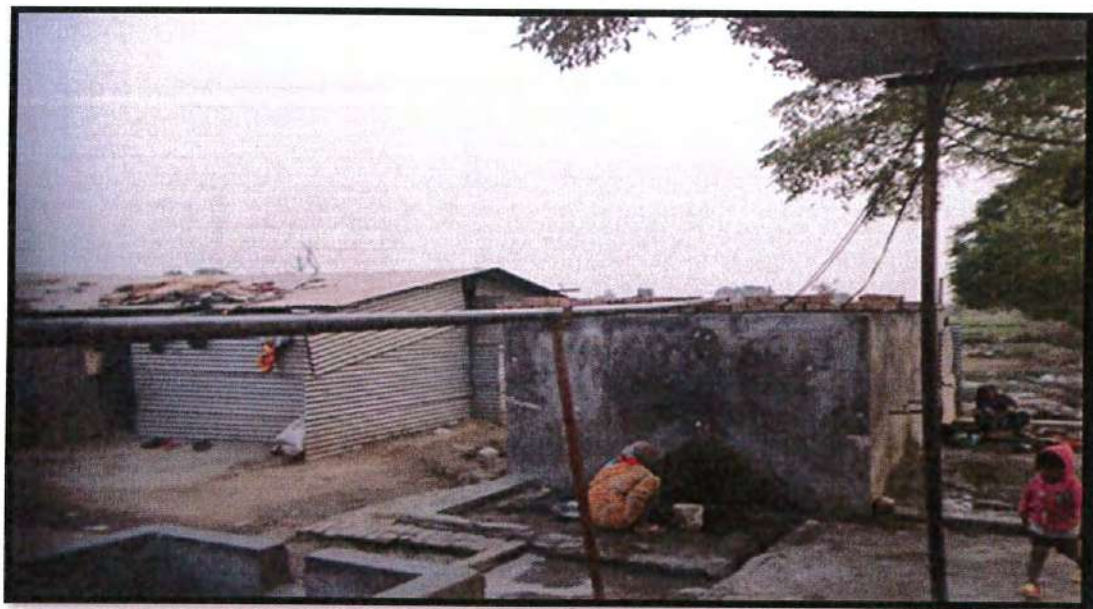
With reference to your letter dated 10.03.2017, requesting advice on the structural design of the Towers 2, 3 and 5 of Hero Homes, Mohali Project, please find enclosed the drawings of the designs carried out by the structural designer Optimization Consultants. The modelling carried out by the structural designer in ETabs and Safe were checked and compared with the designs carried out. The calculations of the structural designs were found to meet the requirements of the Indian standards particularly with respect to wind and earthquake loads. The checked drawing sheets have been signed and stamped by me. These drawings may be used for the construction of the above buildings.

Yours truly,

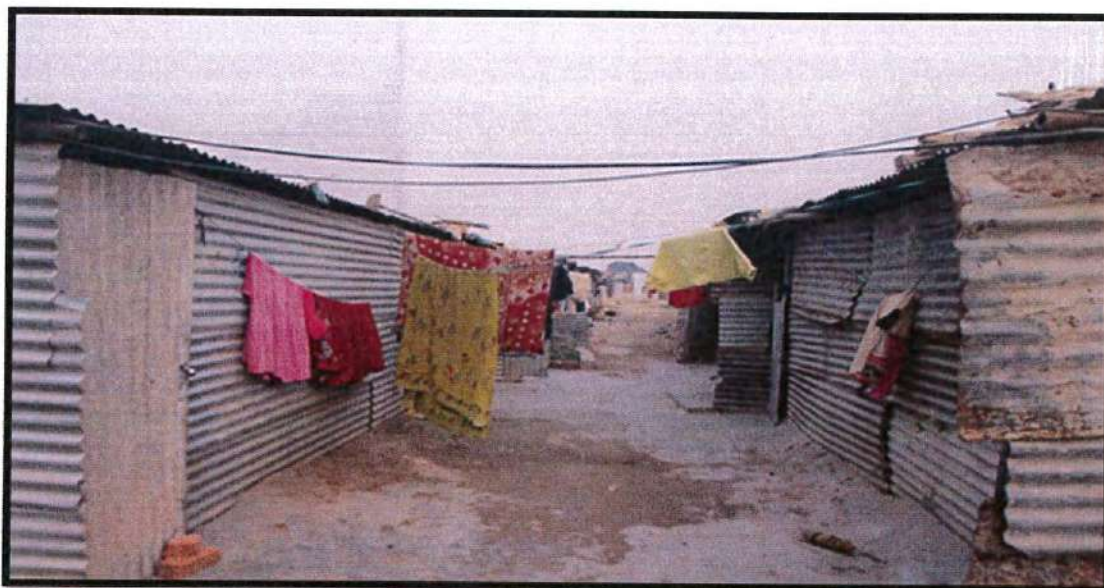
A handwritten signature in black ink, appearing to read 'Shashank', is written over a horizontal line.

(Shashank Bishnoi)

S. BISHNOI, Ph.D.
Associate Professor
Department of Civil Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016 (India)



Water Tank for Drinking



Labour Hutment

TAX INVOICE



GST NO-03AABCF7055J1ZQ
CIN NO-U45209PB2011PTC034883
Pan No-AABCF7055J

Original Copy
Phone No.+91 92162-23423
Email id:hemantkumar@fatehgroup.net

FATEH BUSINESS HOUSE PVT LTD,

SCO-2,Model Town Phase-1,Opp.TV Tower,
Bathinda-151 001 (PB) India
ISO 9001:2008

M/s.Krishna Buldestaes Pvt.Ltd. Hero Homes Sector-88, SAS Nagar Mohall GST NO-03AADCK2409D1Z8					Invoice No. : 929		DATE- 31.01.2019	
					P.O.Number :			
					P.O. Date :			
					FROM. :		NPL.RAJPURA(PB)	
					TO. :		Hero Homes (Mohall)	
					Billing Period		01.01.2019 to 31.01.2019	
Sl.No	Description of Goods	HSN CODE	DELIVERY CHALLAN NO	Vehicle No	Dispatch Date	QTY.IN MT.	Rate Per MT (In ₹)	AMOUNT (In ₹)
1	Dry Flyash	26219000	1610	7255	15.01.2019	31.835	900.00	28651.50
2	Dry Flyash	26219000	1634	5545	20.01.2019	32.190	900.00	28971.00
3	Dry Flyash	26219000	1656	5545	25.01.2019	32.970	900.00	29673.00
TOTAL QTY IN M.T.						96.995		
						Taxable Amount	87,295.50	
						CGST @ 2.5%	2,182.39	
						SGST/UTGST @ 2.5%	2,182.39	
						IGST @ 0 %	0.00	
						Total Taxes (CGST+SGST+IGST)	4,364.78	
						Net Invoice Value	91,660.28	

INR:- Ninety One Thousand Six Hundred Sixty & Twenty Eight Paise Only.

- (A) Our responsibility ceases on delivery of goods to the consignee.
(B) Any Shortage or defective goods must be reported within same day from the Receipt of the Consignment .
(C) if the bill is not paid within 7 days interest will be charged @24% Per annum .
(D) All Claims to be settled at Bathinda Courts Only.

For FATEH BUSINESS HOUSE PVT.LTD

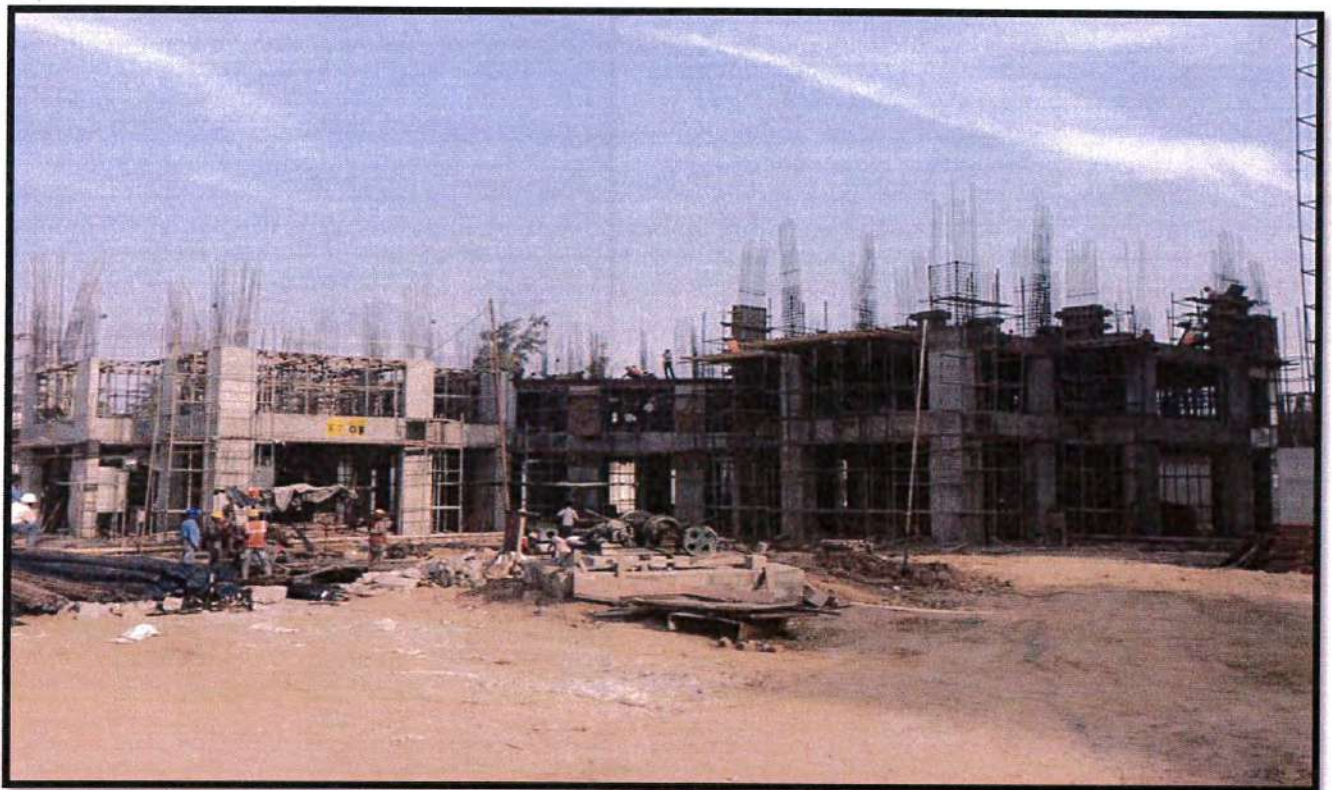
Authorised Signatory

E.& O.E.

Corporate Office SCO.2,1st & 2nd Floor,Model Town Phase-1,Opp.TV Tower,Bathinda-151001 (PB) India



Greenbelt Development at Project Site



Construction Works at Project Site

PUBLIC NOTICE

This is to inform the general public that Hero Homes, Sector 88, Distt SAS Nagar, (Mohali) Punjab, a project of Hero Realty Pvt. Ltd., New Delhi, has been accorded Environmental Clearance by the SEIAA, Punjab, Ministry of Environment, Forest and Climate Change (Govt. of India) for 7 years vide memo no. SEIAA/2805 dated 28.06.2016. The copy of the letter is available at the office of SEIAA, Patiala, Punjab.

DGM (Project)
Hero Homes, SAS Nagar

Advertisement in Times of India date July 6, 2016

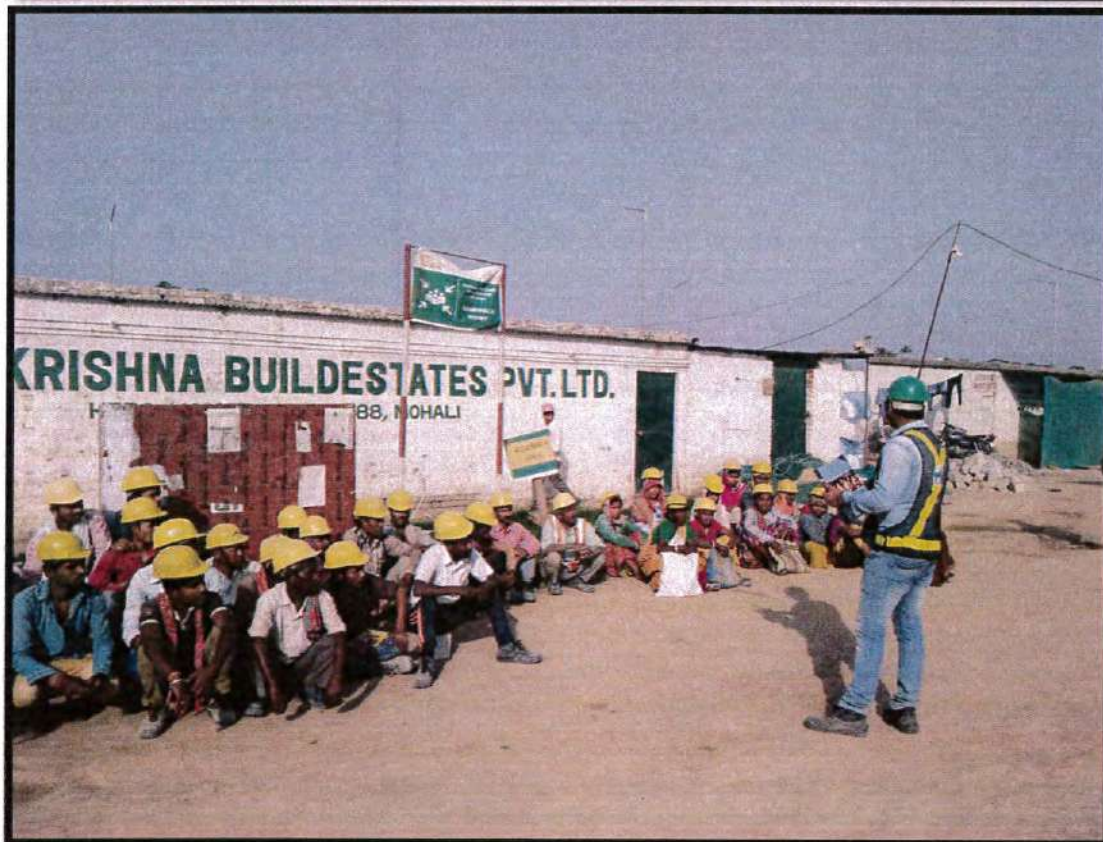
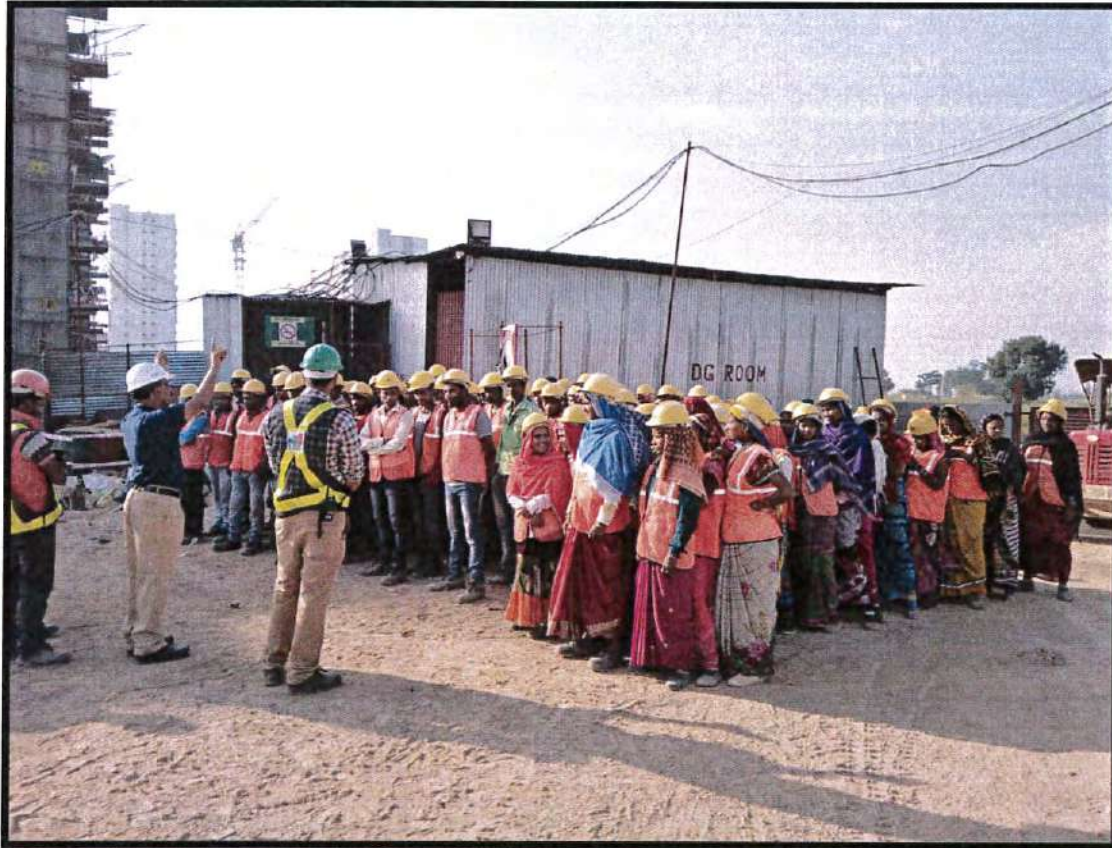
ਸਨਤਕ ਨੋਟਿਸ

ਮਾਮ ਸਨਤਕ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਚੌਥੇ ਹੋਮਸ, ਸੈਕਟਰ 88, ਦਿਸਟ੍ਰਿਕਟ ਮੋਹਾਲੀ, ਪੰਜਾਬ, ਚੌਥੇ ਰਿਜ਼ੋਲਟੀ ਪ੍ਰੋ. ਕੰਮ. ਨਵੀਂ ਦਿੱਲੀ ਦੇ ਹਿਰ ਪ੍ਰੋਜੈਕਟ ਨੂੰ 28.6.2016 ਨੂੰ ਕੀਤੀ ਗਈ ਮੀਟਿੰਗ ਵਿੱਚ ਸਾਰੀ ਮੀਟਿੰਗ ਨੇ. ਐਸ. ਡੀ. ਆਈ. ਡੀ. ਡੀ. 2805 ਅਨੁਸਾਰ 7 ਸਾਲਾਂ ਲਈ ਪੀਐਮ. ਐ. ਆਈ. ਡੀ. ਡੀ. ਪੰਜਾਬ, ਆਰਥਿਕਤਾ ਸੇਵਾਵਾਂ ਦੇ ਮੀਟਿੰਗ ਕਮਿਟੀ ਮਿਲਾਣਾ (ਸਾਰਕ ਸਰਕਾਰ) ਕੀਤੀ ਆਰਥਿਕਤਾ ਕਮਿਟੀ ਪ੍ਰਕਾਸ਼ ਸਦੀ ਦਿੱਤੀ ਗਈ ਹੈ। ਪੰਜਾਬ ਦੇ ਹਿਰ ਪ੍ਰੋਜੈਕਟ ਨੇ. ਐਸ. ਡੀ. ਆਈ. ਡੀ. ਡੀ. ਪੰਜਾਬ, ਪਟਿਆਲਾ ਦੇ ਦਫਤਰ ਵਿਖੇ ਉਪਲਬਧ ਹੈ।

ਡੀ. ਸੀ. ਐੱਮ. (ਪ੍ਰੋਜੈਕਟ)
ਚੌਥੇ ਹੋਮਸ, ਸੈਕਟਰ 88, ਮੋਹਾਲੀ, ਪੰਜਾਬ

Advertisement in Jag Bani date July 6, 2016











STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment and Forests, Government of India

Item No. 109.09
O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala - 147 001
Telefax:- 0175-2215636

No. SEIAA/ 2805

REGISTERED

Date: 28/06/2016

To

M/s Hero Realty Pvt. Ltd.,
264, Ground Floor, Okhla Phase-3,
New Delhi-110020

Subject: Environmental clearance under EIA notification dated 14.09.2006 for the development of group housing project namely "Hero Homes" located at Sector-88, Distt. SAS Nagar (Mohali), Punjab by M/s. Hero Realty Pvt. Ltd. (Proposal no. SIA/PB/NCP/42930/2016).

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the development of group housing project namely "Hero Homes" located at Sector-88, Distt. SAS Nagar (Mohali), Punjab 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 development of group housing project namely "Hero Homes" located at Sector-88, Distt. SAS Nagar (Mohali), Punjab. The total land area of the project is 46861.50 sq.m. (11.50 acres) and the total built up area of the Group Housing Project is 1, 42,449.97 sqm. The project consists of 9 Residential Towers and Convenient shopping area. The total design population of the project is 3720 persons out of which residential population will be 3595 persons and floating population (convenient shopping) will be 125 persons.

The total water requirement for the project will be 725 KL/day, out of which 535 will be met through water supply of GMADA and 190 KLD will met through treated waste water from STP of GMADA. The total wastewater generation

from the project will be 580 KL/day, which will be treated in the STP of GMADA. In summer season, 190 KL/day of treated wastewater for flushing purpose, 116 KL/day for irrigation of green area (21039.214 sqm) will be used and remaining 262 KL/day will be discharge into the GMADA sewer. In winter season, 190 KL/day of treated wastewater for flushing purpose, 38 KL/day for irrigation of green area (21039.214 sqm) will be used and remaining 340 KL/day will be discharged into the GMADA sewer. In rainy season, 190 KL/day of treated wastewater for flushing purpose, 11 KLD for irrigation of green area (21039.214 sqm) will be used and remaining 367 KL/day will be discharged into the GMADA sewer. The main separate line to reuse treated waste water for flushing and irrigation purposes will be provided by the GMADA.

The total quantity of solid waste generation will be 1,518 kg/day, which will be duly segregated into biodegradable and non biodegradable components through chute system. The recyclable waste shall be sold to resellers. Separate area is earmarked for handling biodegradable waste including segregation. Biodegradable waste will be composited by use of Mechanical composter.

The total load of electricity required for group housing will be 4440 KW which will be taken from the PSPCL. There is a proposal to install total five silent DG sets i.e. (4 x 1000 KVA) & 1 x 380 KVA as stand-by arrangement. The project proponent has also submitted that 1548 sqm area i.e. 39% of total terrace area will be utilized to generate 191 KW of solar power energy. The project proponent has also proposed to provide 11 no. of rain water recharging pits to recharge the rain water after adequate treatment. The e-waste generated will be stored in an isolated room and will be sold to the manufacturers. 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. Yogesh Verma of M/s. Hero Realty Pvt. Ltd. will be responsible for implementation of EMP and CSR activities for 5 years and after that the welfare society of "Hero Homes" will be responsible for the same. Rs.375 lacs will be incurred for implementation of EMP on account of capital cost and Rs.21.9 lacs/annum will be incurred on account of recurring charges for implementation of EMP. The project proponent will utilize Rs.300 lacs for following activities under Corporate Social Responsibility:

- Developing and maintenance of landscaping work in Green Park in an

area of 4.5 acres in Sector-88, SAS Nagar.

- Landscaping and maintenance of 4 no. island intersection of Sector roads 150 ft. and 170 ft. wide roads.

The case was considered by the SEAC in its 142nd meeting held on 11.03.2016, 143rd meeting held on 30.03.2016, 144th meeting held on 19.04.2016 and lastly 146th meeting held on 30.05.2016 wherein, the Committee awarded 'Silver Grading' to the project proposal and decided that case be forwarded to the SEIAA with the recommendations to grant environmental clearance to the project proponent subject to certain conditions in addition to the proposed measures.

The case was considered by the SEIAA in its 106th meeting held on 06.05.2016 and 108th meeting held on 03.06.2016, 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 development of group housing project namely "Hero Homes" consisting of 9 Residential Towers and Convenient shopping area in an area of 46861.50 sq.m. (11.50 acres) and having total built up area as 1, 42,449. 97 sqm located at Sector-88, Distt. SAS Nagar (Mohali), Punjab, 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 – Common conditions for all the three phases i.e. Pre-Construction Phase, Construction Phase and Operation Phase & Entire Life:

- (i) 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.
- (ii) A first aid room will be provided in the project both during construction and operation phase of the project.
- (iii) Construction 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.
- (iv) 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.
- (v) Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil

should be periodically monitored during construction phase as well as operation & entire life phase as per the Ministry of Environment, Forests & Climate Change guidelines and all the mitigation measures should be taken to bring down the levels within the prescribed standards.

- (vi) 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.
- (vii) 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.
- (viii) A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.
- (ix) The project proponent shall also submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions including results of monitored data (both in hard & soft copies) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab on 1st June and 1st December of each calendar year.
- (x) 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 APCCF, Regional Office of Ministry of Environment & Forests, Chandigarh.
- (xi) 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.
- (xii) 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.
- (xiii) 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.
- (xiv) The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.
- (xv) The unpaved area shall be more than or equal to 20% of the recreational open spaces.

PART-B – 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) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (iii) 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.
- (iv) 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.

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 neighboring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority. The project proponent will comply with the provisions of Construction & Demolition Waste Rules, 2016. Dust, smoke & debris prevention measures such as wheel washing, screens, barricading and debris chute shall be installed at the site during construction including plastic / tarpaulin sheet covers for trucks bringing in sand & material at the site.
- (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) 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.
- (v) 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.
- (vi) 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.
- (vii) Water demand during construction should be reduced by use of ready mixed concrete, curing agents and other best practices.
- (viii) Adequate treatment facility for drinking water shall be provided, if required.
- (ix) 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.

- (x) 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 : Green
(for reuse)
 - d. Treated wastewater : Yellow
(for discharge)
 - e. Storm water : Orange
- (xi) 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.
- (xii) Separation of drinking water supply and treated sewage supply should be done by the use of different colors.
- (xiii) (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 at least 30% of the open roof top area in the premises shall be installed for utilizing maximum solar energy. Also, solar lights shall be provided as proposed for illumination of common areas.
- (xiv) 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.
- (xv) Chute system, separate wet & dry bins at ground level and for common areas for facilitating segregation of waste, collection centre and mechanical composter (with a minimum capacity of 0.3kg/tenement/day) shall be provided for proper collection, handling, storage, segregation, treatment and disposal of solid waste.
- (xvi) A rainwater harvesting plan shall be designed where the re-charge bores (minimum one per 5000 sqm of built up area) shall be provided. Recharging wells for roof top run-off shall have provision of adequate treatment for removing suspended matter etc. before recharging as per the CGWA guidelines. Run-off from areas other than roof top such as green areas and roads/pavement etc. may also be recharged but only after providing adequate treatment to remove suspended matter, oil & grease etc. and ensuring that rainwater being recharged from these areas is not contaminated with pesticides, insecticides, chemical fertilizer etc.
- (xvii) 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. A minimum of one tree for every 80 sqm of land shall be planted and maintained. The existing trees may be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of three trees for every one tree that is cut) shall be done with the obligation to continue maintenance.

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 725 KL/day out of which 535 will be met through water supply of GMADA and 190 KLD will be met through treated waste water from STP of GMADA.

- iii) a) The total wastewater generation from the project will be 580 KL/day, which will be treated in a STP of GMADA.. 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 GMADA sewer (KLD)
Summer	190	116	262
Winter	190	38	340
Rainy	190	11	367

38

- 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) The project proponent shall ensure safe drinking water supply to the habitants.
- v) The wastewater generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC etc.
- vi) 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.
- vii) Rainwater harvesting/recharging systems shall be operated and maintained properly as per CGWA guidelines.
- viii) The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as chute system, wet & dry bins, collection centre & mechanical composter etc. shall be properly maintained chute system provided for collection of solid waste. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors for which a written tie-up must be done with the authorized recyclers. Organic waste shall be composted by mechanical composters with a minimum capacity of 0.3kg/tenement/day 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.
- ix) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.
- x) 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.
- xi) The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.
- xii) 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.
- 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.

PART C – General Conditions :

I. Pre-Construction Phase

- i) This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier.
- 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 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.
- iii) The project proponent shall obtain permission from the CGWA for abstraction of groundwater & digging of bore well(s) and shall not abstract any groundwater without prior written permission of the CGWA, even if any bore well(s) exist at site.
- iv) The project proponent shall obtain CLU from the competent authority.
- v) 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.

II. Construction Phase

- i) 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.375 Lacs towards capital investment, Rs.21.9 Lacs/annum towards recurring expenditure and Rs.300 Lacs towards CSR activities as proposed in addition to the amount to be spent under the provisions of the Companies Act 1956.

III. Operation Phase and Entire Life

- i) 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. The project proponent shall spend minimum amount of Rs.21.9 Lacs/annum towards recurring expenditure as proposed in the EMP.
b) The project proponent shall adhere to the commitments made in the proposal for CSR activities and shall spend a minimum amount of Rs.300 Lacs towards following CSR activities:

- (i) Developing and maintenance of landscaping work in green park in an area of 4.5 acres in Sector-88, SAS Nagar.
- (ii) Landscaping and maintenance of 4 no. island intersection of Sector roads 150 ft. and 170 ft. wide roads.
- ii) The diesel generator sets to be provided shall conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986. The exhaust pipe of DG set if installed must be minimum 10 m away from the building or in case it is less than 10 m away, the exhaust pipe shall be taken upto 3 m above the building.

Sd/-
Member Secretary (SEIAA)

Endst. No. 2806-14

Date 28/06/2016

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. Dilpreet Singh
 - b) Contact no. : Phone No. 09988200729
 - c) E-mail ID : dilpreet.singh@herorealty.in
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.

Sd/-
Member Secretary (SEIAA)

Ref No. : HRPL/HH/SAS/2018/313

Dated : 26 Dec 2018

To,
 The Joint Director,
 Ministry of Environment, Forest & Climate Change (Northern Region),
 Bays No: 24-25, Sector-31 A,
 Dakshin Marg, Chandigarh-160030

Sub: Half-yearly Compliance (Session: April 2018 – September 2018) of the stipulated Environmental Conditions/Safeguards in the Environmental Clearance Letter for Group housing project "Hero Homes" located at Sector-88, Dist. SAS Nagar (Mohali), Punjab.

Ref: Environmental Clearance Ref. Letter No. SEIAA/2805 DATED 28.06.2016.

Dear Sir,

This has reference to the State Level Environment Impact Assessment Authority, Punjab EC Ref. Letter No. SEIAA/2805 DATED 28.06.2016, vide which we have been asked to submit the compliance with the specific and general conditions.

In view of above, we are approaching you by submitting a copy of the following information/ documents for your kind perusal:

1. Point-wise compliance of the stipulated environmental conditions/ safeguards.
2. Environmental monitoring report.

We fully assure you that we will comply with all conditions as specified in the Environment clearance granted to us. Details of Representative are as follows:

Name	Dilpreet Singh
Designation	Head Coordination
Contact no.	9988200729
Email ID	dilpreet.singh@herorealty.in

Thanking you,
 For M/s. Hero Realty Pvt. Ltd.

Authorized Signatory

CC:

1. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001
2. The Member Secretary SEIAA, O/o. Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001

Received
 Ministry of Environment, Forests & Climate Change
 Northern Regional Office
 Chandigarh

Hero Realty Pvt. Ltd.
 (A Hero Enterprise)



Ref No. : HRPL/HH/SAS/2018/313
Dated : 26 Dec 2018

To,
The Joint Director,
Ministry of Environment, Forest & Climate Change (Northern Region),
Bays No: 24-25, Sector-31 A,
Dakshin Marg, Chandigarh-160030

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Hero Realty Pvt. Ltd.
(A Hero Enterprise)





RefNo. : HRPL/HH/SAS/2018/313
Dated : 26 Dec 2018

To,
The Joint Director,
Ministry of Environment, Forest & Climate Change (Northern Region),
Bays No: 24-25, Sector-31 A,
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Email ID	dilpreet.singh@herorealty.in

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For M/s. Hero Realty Pvt. Ltd.

Authorized Signatory

CC:

1. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001
2. The Member Secretary SEIAA, O/o. Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001



Hero Realty Pvt. Ltd.
(A Hero Enterprise)

Corporate Office: 264, Ground Floor, Okhla Industrial Estate, Phase-III, New Delhi - 110020. Tel +91 11 47467000 Fax: +91 11 47467070
Registered Office: E-2, Qutab Hotel Complex, Shaheed Jeet Singh Marg, New Delhi - 110016. Tel +91 11 46196666 Fax: +91 11 26856118
CIN: U70109DL2006PTC152383 | Email: info.hrl@herorealty.in | Website: www.herohomes.in

Date: 10-07-2018

To,
The Advisor,
Regional Office,
Ministry of Environment, Forest & Climate Change (Northern Region),
Bays No: 24-25, Sector-31 A,
Dakshin Marg, Chandigarh-160030

Sub: Half-yearly Compliance (Session: October 2017 - March 2018) of the stipulated Environmental Conditions/Safeguards in the Environmental Clearance Letter for Group housing project "Hero Homes" located at Sector-88, Dist. SAS Nagar (Mohali), Punjab.

Ref: Environmental Clearance Ref. Letter No. SEIAA/2805 DATED 28.06.2016.

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Thanking you,

Yours Sincerely,

For

M/s. Hero Realty Pvt. Ltd.

(Authorized Signatory)

Name: Dr. Syed Atique Ahmed Naqvi

Designation: GM - Projects & Value Engineering

CC:

1. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001
2. The Member Secretary SEIAA, O/o. Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab - 147001

Hero Realty Pvt. Ltd.
(A Hero Enterprise)

Date: 10-07-2018

ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ
ਨੈਨਲ ਦਫਤਰ-1, ਪਟਿਆਲਾ

To,
The Advisor,
Regional Office,
Ministry of Environment, Forest & Climate Change (Northern Region),
Bays No: 24-25, Sector-31 A,
Dakshin Marg, Chandigarh-160030

14/7/18

Sub: Half-yearly Compliance (Session: October 2017 - March 2018) of the stipulated Environmental Conditions/Safeguards in the Environmental Clearance Letter for Group housing project "Hero Homes" located at Sector-33, Dist. SAS Nagar (Mohali), Punjab.

Ref: Environmental Clearance Ref. Letter No. SEIAA/2805 DATED 28.06.2016.

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Designation: GM - Projects & Value Engineering

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Annexure -20

Hero Homes - Premium Apartments

Annexure-II

Not Secure | www.herohomes.in/hero-homes/project-mohali.php



Hero Homes Mohali

Location : Sector 88, Mohali

Type : 2 BHK, 2 BHK + Study, 3 BHK, 3 BHK + Store + Servant

Expected Delivery : June 2019

SCROLL

QUICK CONNECT

Overview Location Project Highlights Amenities Site Plan Floor Plan Specifications Construction Updates EMI calculator Walkthrough

Site Address Project Approvals

