

21.12.18

The Scientist In charge

Northern Regional office

Ministry of Environment Forests & Climate Change

Bays No. 24-25, Sector 31A

Dakshin Marg, Chandigarh 160 030

Sub: Submission of six monthly Compliance Report SEIAA/HR/1053 dated 25/03/2010 Amravati Enclave, Panchkula – Expansion project

Sir,

Kindly find enclosed compliance report ending 30.9.18

At present, no work is undertaken and we have applied for EC for the left area of 2.6 acres.

Thanking you,

Sincerely,


Authorized Signatory

For M/s Amara Nath Aggarwal Investments (P) Ltd.

CC:

Secretary

State Environment Impact Assessment Authority

Haryana Bays No. 55-58, Paryatan Bhawan,

Sector-2, Panchkula, Haryana



Compliance report on conditions imposed in Environmental Clearance for the Period ending 30.9.18- Expansion project	
Project Type:	Amravati Enclave
Name of the Project:	Amravati Apartments ,Village Bhagwanpur, Islamnagar and Chandimandir, Ambala-Kalka National Highway, Panchkula
Clearance letter (s) O.M. No. & Date:	SEIAA/HR/1053 dated 25/03/2010
Status:	Under construction Expansion project

Part A : Specific conditions:		
I	Construction phase	
	Conditions	Reply
i	A first aid room as proposed in the project report will be provide in both during construction and operation of the project.	First aid at site is made available. A poly clinic is running in existing Amravati enclave as the project is expansion only.
ii	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for the mobile toilets. Open defection by the labors is strictly prohibited. The safe disposal of waste water and solids wastes generated during the construction phase should be ensured.	Yes, bathrooms and toilets are made available in the existing colony, which are attached to STP. Drinking water is also made available
iii	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site in the project.	Excavation is done only for foundations as no basement is involved. The excavated soil is used in cut and fills purpose.
iv	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	No muck is generated. The project does not have basement or any other deep excavation. Normal excavation for foundation done and material is used for cut and fill purpose.
v	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.	Agreed, This is a residential project and does not involve use of any specific hazardous material; the various construction materials are stored in properly earmarked place, so as to prevent any pollution.
vi	The diesel generator sets to be used during construction phase should be low (Protection) Rules prescribed for air and noise emission standards.	Yes, No DG set is used for construction as being an expansion project electrical supply is available.
vii	The diesel required for operating DG sets shall be stored in under ground tanks and if required, clearance from Cheif Controller of Explosives shall be taken.	Not applicable

viii	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air and noise levels during construction phase, so to conform to the stipulated standards.	The various environment parameters are monitored every six months and test reports are enclosed
ix	Fly ash should be used as building material in the construction as per the provisions of fly ash notification of September, 1999 and 2003.	We are using PPC cement which is made from fly ash. Similarly brick used have fly ash component.
x	Ready mixed concrete must be used in buildings construction.	Yes, ready mix concrete is used in building construction.
xi	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water in place as per drawing approved by Town and Country Planning Department
xii	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices as referred.	Noted, ready mix concrete, curing agents are used in construction.
xiii	Permission from competent authority for supply of water shall be obtained prior to operation of the project.	We have applied to CGWA for the same and documents are submitted
xiv	Roof should meet prescribed requirement as per Energy Conservation Building code by using appropriate thermal insulation material to fulfill requirement.	The buildings are not air conditioned; normal insulation is provided.
xv	Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non air-conditional spaces by use of appropriate thermal insulation material to fulfill requirement.	Not applicable, building is not air conditioned.
xvi	The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. If any forest land is involved in the proposed site, clearance under Forest conservation Act shall be taken from the competent authority.	Yes, the drawing are duly approved by Town & Country planning, Govt. of Haryana
xvii	The project proponent will use the water for construction phase through tankers. However, prior permission from CGWA will be taken before using the bore well water for construction purpose.	Water is used from existing borewell only.
xviii	The project proponent will construct rain water harvesting pits @ 1pit per acre for recharging the ground water within the project premises.	Rain Water harvesting pits as per drawings approved by HUDA are provided
xix	The PP obtain and submit permission of the airport authority about the height of the building to SEIAA before starting construction process of their project if required.	Already submitted.

Operation phase: The partial completion certificates are attached.

S.No.	Compliance conditions	Compliance reply
i	The STP shall be installed for the treatment of the sewage generated to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The STP should be installed at the farthest place in the project area.	The unit has a STP which is expanded to take care of additional load, details of which were already submitted. A STP of 1250KLD is now operating. A total STP of 2150 KLD is proposed and a holding tank of 2 lac litre is also provided. The construction on second part of STP is also being initiated. It shall be completed prior to completion of project Following improvements in existing STP are also initiated: Installation of UV Disinfection System
ii.	Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the recirculated water should have BOD maximum 10 ppm and the recycled water will be used for flushing, gardening and DG set cooling.	As per the drawings approved by Town and planning, the entire wastewater goes to STP and treated as per norms given by pollution board and further polished through filters and recycled for irrigation in parks.
iii	For disinfection of the treated wastewater ultra violet radiation or ozonisation should be used.	The existing STP uses chlorination. We have initiated installation of UV system.
iv.	The solid waste generated should be properly collected and segregated. Biodegradable wastes will be decomposed at site and dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material	The solid waste is collected from house to house, segregated and taken to ear marked site. A solid waste treatment facility for generating gas is installed. The Composter shall be installed before the completion of the project once the construction starts again.
v.	Diesel power generating sets proposed as source of backup power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the EPA 1986. The location of the DG sets should be in the basement as promised by the project proponent with appropriate stack height i.e above the roof level of the building as per the CPCB norms. The diesel used for DG sets should be of low sulphur contents (maximum 0.25%)	DG Sets as per CPCB norms are provided. The diesel as available in the local market is used.
vi	Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the proposed township project	Yes monitoring of noise levels every six months is done
viiia	The project proponent should consult a good landscaping consultant and prepare a detailed plantation pattern for the entire township	The project has engaged people to do proper landscaping. See pictures enclosed
b	The project proponent should maintain atleast 20% as green cover area for tree plantation. The project proponent shall grow suitable trees in open spaces and along the roads in project area as well as in the existing areas preferably with local species so as to provide protection against particulates	As on date @ 5000 trees are planted. Landscaped areas as per approved plan are left and developed.

	and noise. The open spaces inside the plots should be preferably landscaped and covered with vegetation/ grass	
viii	Weep holes in the compound front walls shall be provided to ensure natural drainage of rain water in the catchments area during monsoon period	Weep holes are provided
ix	The project proponent shall setup rain water harvesting pits @ 1 pit/acre having 400 mm bore and 200 mm slotted pipe as proposed for roof, run-off and surface run-off as per plan submitted should be implemented. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept atleast 5 mts above the highest ground water table.	Rainwater harvesting pits are provided. Photographs have been submitted previously
x	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority	The ground water quality is monitored every six months
xi	There should be no traffic congestion near the entry and exist points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.	No traffic congestion is there. Parking places as per approved drawings are provided. Photographs enclosed
xii	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials and technology; R & U factors etc. and submit to SEIAA Haryana in three months time	The blocks under construction are non air conditioned and constructed as per approved drawings. Details submitted at the time of EIA.
xiii	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the maximum extent possible	CFLs/TFLs are used in common areas and collected and disposed off properly.
xiv	The solid waste generated should be properly collected and segregated as per the requirements of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be composted at the site earmarked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material	The solid waste is collected from house to house, segregated and taken to ear marked site. A solid waste treatment facility for generating gas/ compost is also being installed.
xv	The provision of the solar water heating system shall be as per the norms specified by HAREDA and shall be made operational in each building block	No centralized solar water heating system is approved. Individual flats are there. No instructions so far received from HAREDA. However Solar Water Heating Systems for flats are provided.
xvi	The project proponent will use the water from the already existing tube wells for domestic purposes and commercial purpose only after getting permission from CGWA or will use water supply from municipality whichever is earlier during operational phase.	Existing tube wells for domestic water are only used.

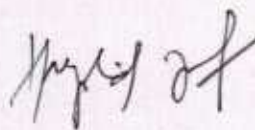
xvii	The traffic plan and the parking plan proposed by the PP should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.	No traffic congestion is there. Parking places as per approved drawings are provided. Photographs enclosed
xx	The project proponent shall comply with ECBC norms	As on date of approval of project the drawings got approved from Town and Planning Department. The blocks being constructed are non air conditioned.

Part B: General conditions

S.No.	Compliance conditions	Compliance reply
i	The environment safe guards contained in the EIA/EMP report should be implemented in letter and spirit.	Agreed, We do best to comply with various environment conditions.
ii	Six monthly compliance reports should be submitted to the HSPCB and Regional Office, MoEF, GOI, Northern Region Chandigarh and a copy to the SEIAA, Haryana	Yes, six monthly compliance report is regularly submitted to Regional office of MoEF&CC, Chandigarh.
iii	The SEIAA, Haryana reserves the right to add additional safeguards measures subsequently, if found necessary. Environment clearance granted will be revoked if it is found that false information has been given for getting approval of this project.	Agreed
iv	All other statutory clearances such as approvals for storage of diesel from Chief Aviation Department, Forest Conservation Act, 1927 etc. shall be obtained as applicable by project proponents from the respective authorities prior to construction of the project.	Already submitted as applicable
v	The project proponent will not violate any judicial orders /pronouncements issued by the Hon'ble Supreme Court/High Courts.	Agreed, as intimated and applicable to us

Enclosures:

Annexure I- Test Reports





CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

Website : www.cptl.co.in

H.O. : #372, Sec. 15-A, Chandigarh-160 015 ☎ : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055 ☎ : 0172-5090312; e-mail : sital_cptlmohali@yahoo.co.in, cptle126@gmail.com, lab@cptl.co.in



NABET accredited EIA consultant, MoEF & CC & PPCB recognized
ISO 9001 : 2015, ISO 14001:2015 and OHSAS 18001:2007 certified laboratory

TEST CERTIFICATE

NAME OF INDUSTRY: M/s. AMARNATH AGGARWAL INVESTMENTS PVT. LTD.
CONSTRUCTION PROJECT (EXPANSION)-AMRAVATI ENCLAVE AT NH-22
PANCHKULA H.P

SAMPLE PARTICULARS

Type of Sample	Ambient Air
Point of Sample Collection	(I) Upside of Salvia Block (II) Near SBI Bank
Date of Sample Collection	05.09.2018
Date of Sample Received in Lab	06.09.2018
Date of Reporting	10.09.2018
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.

TEST RESULTS

S. No.	Test Parameters	Units	Results		Test Method
			Loc-I	Loc-II	
1.	Particulate Matter (PM ₁₀)	µg/m ³	81.1	82.2	IS: 5182 (P-23) 2006
2.	Particulate Matter (PM _{2.5})	µg/m ³	39.1	39.4	SP-61, Issue Date-04-08-2017
3.	Sulphur Dioxide (SO ₂)	µg/m ³	7.7	8.3	IS: 5182 (P-2) 2001 (DL-6.0)
4.	Nitrogen Oxides (NO ₂)	µg/m ³	12.1	14.2	IS: 5182 (P-6) 2006 RA-2017(DL-6.0)

R. S. Rana
(Chemist In-Charge)
Date: 10/9/18

R.S. Rana
General Manager

Chandigarh Pollution Testing Lab

Sital Singh
(Authorized Sign.)
Date: 10/09/18

Sital Singh
CEO

Chandigarh Pollution Testing Lab

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
- Sample will be destroyed after retention time unless otherwise specified specially.

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PANCHKULA H.P

SAMPLE PARTICULARS

Type of Sample	Noise Level (Ambient)
Point of Sample Collection	Average Noise Level Around Boundary of Expansion area
Date of Sample Collection	05.09.2018
Date of Sample Received in Lab	06.09.2018
Date of Reporting	10.09.2018
Sampling Protocol	IS: 9989:1981 R-2002 and as per customers requirements

TEST RESULTS

S. No.	Test	Location	Unit	Results	Test method
1.	Ambient Day Time Noise Level 1 Hour L_{eq}	Average Noise Level Around Boundary of Expansion area	dB(A)	50.1	IS: 9989:1981 R-2002


(Chemist In-Charge)
Date: 10/9/18

R.S. Rana
General Manager
Chandigarh Pollution Testing Lab


(Authorized Sign.)
Date: 10/09/18

Sital Singh
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PANCHKULA H.P

SAMPLE PARTICULARS

Type of Sample	Ground Water
Quantity & Packaging	2litre+ 250 ml Plastic Bottle Marked '1' & Glass Bottle '1'
Point of Sample Collection	From Tap (in flats)
Sampling Protocol	IS: 3025 (P-1) 1987 R1998 Amdt-1
Date of Sample Collection	05.09.2018
Date of Sample Received in Lab	06.09.2018
Date of Reporting	10.09.2018
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.31	6.5-8.5	No relaxation	APHA- 4500H ⁺ B, 23rd Edition-2017
2.	Color, HU	<5	5	15	APHA-2120B, 23rd Edition-2017
3.	Odour	Agreeable	Agreeable	Agreeable	APHA-2150B, 23rd Edition-2017
4.	Turbidity, NTU	<1	1 Max.	5	APHA-2130B, 23rd Edition-2017
5.	Total Dissolved Solids, mg/l	210	500 Max.	2000	APHA-2540 C, 23rd Edition-2017
6.	Total Hardness (as CaCO ₃), mg/l	195	200 Max.	600	APHA-2340 C, 23rd Edition-2017
7.	Total Alkalinity (as CaCO ₃), mg/l	180	200 Max.	600	APHA-2320B, 23rd Edition-2017
8.	Chloride (as Cl), mg/l	19.5	250 Max.	1000	APHA-4500 Cl ⁻ B, 23rd Edition-2017
9.	Sulphate (as SO ₄), mg/l	19.1	200 Max.	400	APHA-4500E, 23rd Edition-2017
10.	Iron (as Fe), mg/l	0.12	3 Max.	No relaxation	IS: 3025(Part-53), 2003 & C/1, 10 Phenanthroline Method.
11.	Zinc (as Zn), mg/l	BDL (DL=0.5)	5 Max.	15	APHA-3030 D, 23rd Edition-2017
12.	Nitrate (as NO ₃), mg/l	2.1	45 Max.	No relaxation	IS: 3025(Part-34), 1988, RA 2003
13.	Total Chromium (as Cr), mg/l	BDL (DL=0.04)	0.05 Max.	No relaxation	APHA-3111B, 23rd Edition-2017
14.	Lead (as Pb), mg/l	BDL (DL=0.01)	0.01 Max.	No relaxation	APHA-3030D & 3111B, 23rd Edition-2017



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Type of Sample	Ground Water
Date of Sample Received in Lab	06.09.2018

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
15.	Nickel (as Ni), mg/l	BDL (DL=0.01)	0.02 Max.	No relaxation	APHA-3030 D & 3111 B, 23rd Edition-2017, AAS method.
16.	Fluoride (as F), mg/l	0.14	1.0 Max.	1.5	APHA, 4500- FD, 23rd Edition-2017 SPANDS Method
17.	Ammonia (total ammonia-N),mg/l	BDL (DL=0.5)	0.5 Max.	No relaxation	APHA, 4500- NH ₃ B,C, 23rd Edition-2017
18.	Boron (as B),mg/l	BDL (DL=0.1)	0.5 Max.	1.0	APHA, 4500- B, 23rd Edition-2017
19.	Copper (as Cu),mg/l	BDL (DL=0.04)	0.05	1.5	APHA-3111B, 23rd Edition-2017
20.	Total Arsenic (as As),mg/l	BDL (DL=0.01)	0.01	No relaxation	APHA-3111B, 23rd Edition-2017
21.	Cadmium (as Cd),mg/l	BDL (DL=0.001)	0.003	No relaxation	APHA, 3500- CD-A, 23rd Edition-2017
22.	Manganese (as Mn),mg/l	BDL (DL=0.09)	0.1	0.3	APHA-3030 D & 3111 B, 23rd Edition-2017
23.	E. Coli/100ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981 ,MPN Method
24.	Total Coliforms, MPN /100 ml	<2	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981(RA2009) ,MPN Method

R.S. Rana
(Chemist-in Charge)

Date: 10/09/18

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General Manager

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CONSTRUCTION PROJECT (EXPANSION)-AMRAVATI
ENCLAVE AT NH-22 PANCHKULA H.P

SAMPLE PARTICULARS

Date of Sample Collection	05.09.2018
Sample Received in Lab	06.09.2018
Type of Sample	Treated waste water
Point of Sample Collection	Outlet of Sewage Treatment Plant
Quantity & Packaging	2 ltr + 250ml Plastic Bottles & Sterilized Glass Bottles Marked "Downstream" Mining Area
Date of Reporting	10.09.2018
Visual Observation	Liquid with fine suspended impurities.

TEST RESULTS

S. No.	Parameters	Results	Test Method
1.	pH	6.98	APHA-4500H ⁺ B, 23rd Edition-2017
2.	Total Suspended Solids, mg/l	28.0	APHA-2540 D, 23rd Edition-2017
3.	Chemical Oxygen Demand, mg/l	74.0	APHA-5220 B, 23rd Edition-2017
4.	BOD (at 27°C for 3 Days), mg/l	21.0	IS:3025(Part-44), 1993
5.	Oil & Grease, mg/l	<3	APHA5520 B, 23rd Edition -2017, (DL=1)


(Chemist In-Charge)
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