

**Agenda for the 144<sup>th</sup> meeting of State Expert Appraisal Committee to be held on 08.04.2016 at 10.00 AM in the Committee Room, Punjab Pollution Control Board, Nabha Road, Patiala.**

**PART-I (OFFLINE CASES)**

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**Item no.144.01: Confirmation of the proceedings of 143<sup>rd</sup> meeting of SEAC held on 30.03.2016.**

The SEAC noted that the proceedings of 143<sup>rd</sup> meeting of State Level Expert Appraisal Committee held on 30.03.2016 were circulated to all concerned vide letter no. 2287-98 dated 07.04.2016. No observations have been received from any of the member. As such, the SEAC confirmed the proceedings of said meeting.



**Item no.144.02: Action taken on the proceedings of 143<sup>rd</sup> meetings of State Level Expert Appraisal Committee held on 30.03.2016.**

The action on the proceedings of 143<sup>rd</sup> meeting held on 30.03.2016 has been taken and the detail of the same is placed below:-

**Action taken on the proceedings of 143<sup>rd</sup> meeting held on 30.03.2016  
(PART-1 OFFLINE CASES)**

<b>Item No.</b>	<b>Description</b>	<b>Decision of the 143<sup>rd</sup> meeting held on 30.03.2016</b>	<b>Action Taken</b>
143.01	Confirmation of the proceedings of 142 <sup>nd</sup> meeting of SEAC held on 11.03.2016.	The SEAC confirmed the proceedings of said meeting.	No further action is required to be taken.
143.02	Action taken on the proceedings of 142 <sup>nd</sup> meetings of State Level Expert Appraisal Committee held on 11.03.2016.	The details of the action on the proceedings of 142 <sup>nd</sup> meeting held on 11.03.2016 were seen by the SEAC.	No further action is required to be taken.
143.03	Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Gravel) from the bed of river Beas in the revenue estate of Village Tagar Kalan, Tehsil Mukerian, District Hoshiarpur of General Manager cum Mining Officer, District Industries Centre, Hoshiarpur.	The SEAC decided to defer the case till the project proponent submits reply to the aforesaid observations.	The Project Proponent has been conveyed the decision of SEAC vide letter no. 2307 dated 08.04.2016 .
143.04	Application for environmental clearance under EIA notification dated 14.09.2006 for an already existing educational institute namely "Chandigarh University" at Village Gharuan and Mamupur, Tehsil Kharar, Distt S.A.S.	The SEAC decided to categorize this project as category B-1 and to finalize and issue the "Terms of Reference" to the project proponent for preparation of the draft Rapid EIA report	Terms of Reference" has been issued to the project proponent for preparation of the draft Rapid EIA report vide letter no. 2302-06 dated 08.04.2016

	Nagar, by M/s Chandigarh Education Trust.		
143.05	Application for environmental clearance under EIA notification dated 14.09.2006 for the expansion projects namely "Leaf Stone Apartment" at Village Nabha, NAC Zirakpur by M/s MD Builders & Developers, Zirakpur, Mohali.	The SEAC decided that case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for the expansion of group housing project	The case has been sent to SEIAA for further necessary action.
143.06	Application for environmental clearance under EIA notification dated 14.09.2006 for construction of a Commercial complex namely "Tricity Trade Center" in the revenue estate of Village Nabha, District SAS Nagar by M/s G.S Promoters & Developers.	The SEAC decided that case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for the development of commercial complex.	The case has been sent to SEIAA for further necessary action.
143.07	Application for environmental clearance under EIA notification dated 14.09.2006 for the expansion projects namely "Riverdale" at Zirakpur by M/s Barnala Realtech, Zirakpur, SAS Nagar.	The SEAC decided that case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for the expansion of Group Housing Project.	The case has been sent to SEIAA for further necessary action.

**Action taken on the proceedings of 143<sup>rd</sup> meeting held on 30.03.2016  
(PART-II ON LINE CASES)**

<b>Item No.</b>	<b>Description</b>	<b>Decision of the 143<sup>rd</sup> meeting held on 30.03.2016</b>	<b>Action Taken</b>
143.08	Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Sushma Crescent" in the revenue estate of Zirakpur, Tehsil Derabassi, Distt. Mohali by M/s	The SEAC decided that case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for the expansion of group housing project	The case has been sent to SEIAA for further necessary action.

	Sushma Buildtech Ltd. (Proposal no. SIA/PB/NCP/32360/2015)		
143.09	Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Sushma Elite Cross" in the revenue estate of Zirakpur, Tehsil Derabassi, Distt. Mohali by M/s Sushma Buildtech Ltd. (Proposal no. SIA/PB/NCP/42935/2016)	The SEAC decided that case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for the expansion of group housing project	The case has been sent to SEIAA for further necessary action
143.10	Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Western Tower (Ratio Heights)" in the revenue estate of Village Kharar, Tehsil Kharar, Distt. Mohali by M/s Star Realtech & Developers Pvt. Ltd. (Proposal no. SIA/PB/NCP/40910/2016)	When the project proponent was called to present the case at his turn, he sought some time to procure some documents required for the presentation. The SEAC agreed and decided to take up the case at the end. However, the case could not be taken up in the end due to paucity of time and the same was deferred.	The case is being placed in the instant Agenda
143.11	Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for expansion of existing Punjab Institute of Medical Science" Project at Garha Road, Jalandhar, Punjab by M/s PIMS Medical and Education Charitable Society. (SIA/PB/NCP/9253/2016)	The SEAC decided to defer the case till the project proponent submits the reply to the aforesaid observations.	The Project Proponent has been conveyed the decision of SEAC vide letter no. 2300 dated 08.04.2016
143.12	Application for environmental clearance granted under EIA notification dated	The SEAC decided to defer the case till the verification report from the SEAC members and	SEAC members Er. Malvinder Singh and Dr. V.K Singhal have been

	14.09.2006 for the commercial cum residential project namely "GBP Centrum" at Vill. Singhpura, Tehsil Dera Bassi, Zirakpur, Distt. Mohali by M/s Gupta Builders & Promoters Pvt. Ltd. (Proposal No. SIA/PB/NCP/34616/2015)	reply to the aforesaid observations from the project proponent is received	requested vide email dated 08.04.2016 to visit the project & send verification report. The Project Proponent has been conveyed decision of the SEAC vide letter no. 2301 dated 08.04.2016
143.13	Application for environmental clearance under EIA notification dated 14.09.2006 for establishing a LPG Bottling Plant NRPL TOP, on Bathinda - Mansa Highway in the revenue estate of Village Phoos Mandi, Tehsil & District Bathinda by M/s Indian Oil Corporation Ltd.	The SEAC decided to defer the case till the project proponent submits the reply to the aforesaid observations	The Project Proponent has been conveyed the decision of SEAC vide letter no. 2299 dated 8.04.2016
143.14	Application for environmental clearance granted under EIA notification dated 14.09.2006 for the "Integrated Paint Manufacturing Facility" in the revenue estate of Goindwal Sahib Village, Tarntaran District, Punjab by M/s. Kansai Nerolac Paints Ltd. (Proposal no. SIA/PB/IND2/10477/2016)	The SEAC decided to issue the "Terms of Reference" to the project proponent for preparation of the draft Rapid EIA report.	The case has been sent to SEIAA for further necessary action.
143.15	Application for environmental clearance under EIA notification dated 14.09.2006 for expansion of a residential complex namely "Sandwoods Opulencia" in the revenue estate of Village Bhago Majra, Landran-Banur Road, Sector-110, Distt. S.A.S.	The SEAC decided to defer the case in light of Office Memorandum dated 25.02.2010 of MoEF, Govt. of India and ask the project proponent to attend the next meeting as and when called for	The case is being placed in the instant Agenda

	Nagar by M/s Sandwoods Infratech Projects Pvt. Ltd.		
143.16	Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Emerging Heights III" at Kharar- Landran Road, Sector 115 in the revenue estate of Village Santemajra, Tehsil Kharar, Distt. Mohali by M/s Emerging India Housing Corporation Pvt Ltd. (Proposal no. SIA/PB/NCP/42969/2016)	When the project proponent was called to present the case at his turn, he sought some time to procure some documents required for the presentation. The SEAC agreed and decided to take up the case at the end. However, the case could not be taken up in the end due to paucity of time and the same was deferred	The case is being placed in the instant Agenda
143.17	Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for area development project namely "Multi-Storey Residential Complex" in revenue estate of Village Birmi, Tehsil Mullanpur, Distt. Ludhiana by M/s Hero Realty Ltd., Ludhiana (Proposal no. SIA/PB/NCP/4973/2015)	The SEAC decided to defer the case till the verification report from the SEAC members is received.	SEAC members Sh. N.S. Kahlon and Dr. S.S Viridi have been requested vide email dated 08.04.2016 to visit the project & send verification report
143.18	Application for environmental clearance granted 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)	The SEAC decided to forward the case to SEIAA with the following recommendations: a) To ask the project proponent to submit, within 60 days, a formal resolution passed by the Board of Directors of the Company or to the Managing Committee / CEO of the Society, Trust, partnership / individually owned concern, mentioning that violations in respect of starting construction activities without obtaining environmental clearance under EIA notification dated 14.09.2006, are un-	The case has been sent to SEIAA for further necessary action

		<p>intentional and will not be repeated in future. In the meantime, the project be delisted. In case, the project proponent fails to submit the said resolution within a period of 60 days, it will be presumed that the project proponent is no longer interested in pursuing the project further and the project file will be closed and the project proponent will have to initiate the procedure <i>de novo</i> for obtaining environmental clearance.</p> <p>(b) To initiate credible action against project proponent(s), responsible person(s) &amp; promoter company by invoking powers u/s 19 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment &amp; Forests vide notification No. S.O. 638 (E) dated 28.02.2014 due to start of construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006. Punjab Pollution Control Board be written in this regard for taking necessary legal action u/s 15 of the Environment (Protection) Act, 1986 for the period for which the violation has taken place.</p> <p>(c) To issue directions under section 5 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment &amp; Forests vide notification No. S.O. 637 (E) dated 28.02.2014 to restrain the promoter company from carrying out any further construction or operation activity of the project till the environmental</p>	
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		<p>clearance under EIA notification dated 14.09.2006 is obtained.</p> <p>(d) To inform the project proponent that the application for environmental clearance under EIA Notification dated 14.09.2006 will be considered only after the compliance of decision (a) above and action is initiated for violating the provisions of the EIA notification dated 14.09.2006 due to start of construction work of the project without obtaining environmental clearance.</p>	
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**Item No.144.03: Application for environmental clearance under EIA Notification dated 14.09.2006 for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala by M/s Ajanta Chemical Industries.**

The facts of the case are as under:

M/s Ajanta Chemical Industries has applied vide letter dated 22.08.2014 (received on 15.09.2014) for obtaining environmental clearance as required under EIA Notification dated 14.09.2006 for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala. The project of the promoter pertains to category 'B' and it falls under category 5 (f) of the Schedule appended to the said Notification. As per application submitted by the industry, the details of the project are as under:

- The area of the existing chemical manufacturing unit is 4048 sqm and expansion is to be carried out in the existing manufacturing unit.
- The industry has proposed to increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA.
- The total water requirement of the project after expansion will be 86 KLD, which will be met through SIEL Complex water supply. Out of which, 11 KLD will be used for domestic purpose, 68 KLD will be used in the process and 7 KLD will be used for cooling purpose.
- About 8.8 KLD of domestic effluent will be generated, which will be treated in an existing septic tank. The treated wastewater will be discharged onto land for irrigation.
- The existing power requirement available is 99.8 KW and about 125.2 KW additional powers required. Total power requirement will be 225 KW after expansion.

The case was considered by the SEAC in its 101<sup>st</sup> meeting held on 18.09.2014. The following were present on behalf of the project proponent:



- (i) Sh. Narinder Sharma, of promoter company
- (ii) Ms Sheetal of M/s Vardan Environet Gurgaon, Environmental Consultant of the promoter company

After the presentation, the SEAC raised certain observations and the project proponent submitted the reply to the same as below:

Sr. No	Observations raised by the SEAC	Reply given by the project proponent
1.	Regarding obtaining varied consents to operate under Water Act, 1974 and Air Act, 1981 in the year 2011.	Unit namely M/s Swastic Polymers, 2-B, SIEL Complex was merged with M/s Ajanta Chemicals, 2-A, SIEL Complex, hence varied consents were obtained from Punjab Pollution Control Board and no expansion has been carried out.
2.	Regarding use of adjoining plots 2-C & 2-D	Two plots i.e. 2-C & 2-D have been taken from firms namely M/s Adarsh Chemical Industries and M/s Apex Plastic Industries, respectively for using them for parking and office use purposes only.
3.	Regarding permission of CGWA for abstraction of groundwater.	Daily fresh water demand of 86 KLD will be supplied by SIEL and no groundwater will be abstracted by the project proponent. Moreover, SIEL is getting its water supply from Bhakhra Canal.

Sh. Narinder Sharma requested that the Committee may issue ToRs for carrying out the EIA study.

After detailed deliberations in the matter, SEAC decided as under:

- i) Categorize this project as category **B-1** and issue "Terms of Reference" to the project proponent for preparation of the draft Rapid EIA report. However, before the issuance of ToRs, a team comprising of following shall visit the site including SIEL complex:

- (a) Sh. A.S. Reddy, Member (SEAC)
- (b) Secretary (SEAC)
- (c) Environmental Engineer (SEAC)
- (d) Asstt. Environmental Engineer (SEAC)

The scope of visit of the team will be as under:

- (a) Status of compliance of pollution control norms by the project proponent
- (b) Status of compliance of environmental laws and pollution control norms/Acts including capacity of existing pollution control equipments viz-a-viz adequacy to handle the additional pollution load.

- (c) The team may also gather additional information from Punjab Pollution Control Board if felt necessary.
  - (d) The team based on its report shall finalize the ToRs.
- ii) The ToRs be issued after the approval by Chairman (SEAC) on case file of the project proponent.
  - iii) Since the project proposal of M/s Flowtech Chemicals (P) Ltd., is of similar nature to whom ToRs were issued in the last meeting of SEAC, as such, both the project are required to be dealt on identical lines, therefore, the project proponent of M/s Flowtech Chemicals (P) Ltd., be intimated to put on hold the work of starting of the EIA study till be ToRs in the present case are finalized and the amended, if necessary, be issued to M/s Flowtech Chemicals (P) Ltd.

In compliance to the decisions, M/s Ajanta Chemical Industries including SIEL complex, was visited by the team and submitted a report, which is reproduced as under;

SIEL chemicals and the premises of the two chlorinated paraffin wax units were visited by the following:

- (a) Sh. A.S. Reddy, Member (SEAC)
- (b) Er. S.K Goel, Secretary (SEAC)
- (c) Er. Rajiv Sharma, Environmental Engineer (SEAC)
- (d) Er. Gulshan Kumar, Asstt. Environmental Engineer (SEAC)

#### **The activities observed**

1. SIEL Chemicals has 8 chlorinated paraffin wax units associated with it. These units obtain piped vaporized chlorine gas and liquid chlorine bullets of 900 kg chemicals. Paraffin wax reactor off gases are scrubbed by these units in water for the recovery of the HCL, and then conveyed back to the SIEL chemicals for further handling and disposal.
2. SIEL chemicals at its end vaporizes liquid chlorine in a vaporizer and supplies to these units. Further, it scrubs the conveyed off gases first in a 2 stage water scrubber and then in 3 stage caustic scrubber. The scrubbed gases are then vented out.
3. The oil to be chlorinated is heated to the desired temperature in a heater and supplied to the reactor. Chlorination is a batch process, wherein chlorine is bubbled through the oil while regulating the temperature till the chlorination reaction is completed. Chlorination results in the formation of HCL vapors. All the units have the provision of using chlorine either in bullets or in piped supply.
4. Two of the units are expanding and increasing their present capacity from the present 14 tons/day chlorine supply to 34 ton/day supply.
5. The SIEL chemical has limited vaporizing and piped chlorine gas supply capacity (70/80 tons/day). Rest of the chlorine, SIEL chemicals is planning to supply as liquid chlorine in 900 kg capacity bullets.

ToRs for the EIA studies may also include risk assessment of the chlorine gas and liquid chlorine handling, and of the chlorination reactor off gases. The following suggestions have also made:-

1. SIEL chemicals should give in writing about its total capacities available for supplying the piped chlorine gas and the liquid chlorine bullet, and make a commitment in writing that it is capable of the supplying the piped chlorine gas and the liquid chlorine bullets to the industrial unit in question without making any expansions and capacities increase at its end.
2. SIEL chemicals should also make a written statement on its existing capacity to handle the chlorination off gases from the 8 chlorinated paraffin wax manufacturing units. Further, the SIEL chemicals should provide a written commitment to the effect that it can handle the chlorination off gases from all the 8 units even after the proposed capacity increase by the two chlorinated paraffin wax units, and, for this the SIEL chemicals does not require increasing its existing off gases handling capacities.
3. SIEL chemicals should also submit a copy of the environmental clearance it obtained from the MOEF, and it should clearly state its permitted capacities of piped chlorine gas supply, liquid chlorine bullets supply and of chlorination off gases handling.

Accordingly, the amended ToRs after including suggestions was issued vide SEAC/355 dated 02.12.2014 to M/s Ajanta Chemical Industries for for carrying out EIA Study to obtain environmental clearance under EIA Notification dated 14.09.2006 for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala.

Thereafter, the Project Propent vide letter dated 14/07/2015 submitted the final EIA/EMP report after incorporating TORs points for obtaining Environmental Clearance.

The case was considered by the SEAC in its 125<sup>th</sup> meeting held on 11.08.2015. The following were present on behalf of the project proponent:

- (i) Sh. Narinder Sharma, of promoter company
- (ii) Sh. R.S. Rana of M/s Envirotech India, Environmental Consultant of the promoter company

Sh. R.S. Rana, Environmental Consultant of the project proponent presented the EIA study report before the SEAC.

The SEAC observed that being an expansion project, compliance report verified by the Northern Regional Office of MoEF&CC is required. To this observation, the project proponent clarified that the industrial unit was established in the year 1999 i.e. prior to issuance of EIA notification, as such, environmental clearance was not required that at stage.

The SEAC further observed that the presentation made by the project proponent is not satisfactory on the following grounds:

Sr. No.	EIA report required to be submitted by the project proponent	Observations of SEAC
i)	Identify various project related sources, quantifying their impact on the environment and proposed mitigation measures thereof.	Compliance of ToR of generalized nature has been presented
ii)	EIA study should include risk assessment of the chlorine gas and liquid chlorine handling, and of the chlorination reactor off gases.	No presentation in this regard has been made.
iii)	SIEL chemicals should also make a written statement on its existing capacity to handle the chlorination off gases from the 8 chlorinated paraffin wax manufacturing units. Further, the SIEL chemicals should provide a written commitment to the effect that it can handle the chlorination off gases from all the 8 units even after the proposed capacity increase by the two chlorinated paraffin wax units, and, for this the SIEL chemicals does not require increasing its existing off gases handling capacities.	SIEL Complex has issued a certificate to M/s Ajanta Chemical Industries dated 24.02.2015 and 21.05.2014 wherein, it has been mentioned that SIEL Complex has 45 TPD capacity for neutralization of sniff gases and it can handle the proposed expanded capacity of 20 TPD of M/s Ajanta Chemical Industries of chlorinated paraffin wax production. However, SIEL Complex was required to mention the

		existing capacity of all the 8 CPW units including proposed expanded capacity of both the units i.e. M/s Ajanta Chemical Industries & M/s Flowtech Chemicals viz-a-viz installed handling capacity in its premises.
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After detailed deliberations the SEAC decided to defer the case till the project proponent submits the above mentioned information/documents.

The decision of SEAC has been conveyed to the project proponent vide letter No. 4550 dated 03/09/2015.

The case was considered by the SEAC in its 129<sup>th</sup> meeting held on 11.09.2015. The following were present on behalf of the project proponent:

- (i) Sh. Narinder Sharma, of promoter company
- (ii) Sh. R.S. Rana of M/s Envirotech India, Environmental Consultant of the promoter company

Environmental Consultant of the promoter company submitted the reply to observation raised by the SEAC.

The SEAC observed that quantification of existing capacity of all the 8 CPW units including proposed expanded capacity of both the units i.e. M/s Ajanta Chemical Industries & M/s Flowtech Chemicals viz-a-viz installed handling capacity in its premises submitted by the Project Propoent is still not in order. To this observation of the SEAC, the Project Propoent submitted the revised information/clarification given by the M/s SIEL, which was taken on record.

The Committee observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided that the case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala subject to the submission of quantification of existing capacity of all the 8 CPW units including proposed expanded capacity of both the units i.e. M/s Ajanta Chemical Industries & M/s

Flowtech Chemicals viz-a-viz installed handling capacity and the certain conditions as mentioned therein.

The proceedings of item no. 129.21 (M/s Ajanta Chemicals) and 129.22 (M/s Flowtech Chemicals) of 129<sup>th</sup> meeting were not confirmed by SEAC in its 130<sup>th</sup> meeting. It was decided to issue the amended proceedings for the said items. Accordingly, the amended proceedings were circulated to all the members, which included details of the visit report of the SEAC members.

Sh. J.S. Sekhon, Member (SEAC) raised his observation to the amended proceedings and emailed the same to all the members of SEAC, Chairman (SEIAA), Member Secretary (SEIAA) and Member (SEIAA).

The SEAC in its 131st meeting held on 05.10.2015 was appraised that since proceedings of item no. 129.21 and 129.22 were not confirmed in its 130<sup>th</sup> meeting, as such cases have not been forwarded to SEIAA and have been withheld. After deliberations, the SEAC decided that decision in respect of these two items need to be reviewed and the same may be placed before the SEAC in the next meeting.

The case was considered by the SEAC in its 134<sup>th</sup> meeting held on 23.10.2015, which was attended by Sh. Narender Sharma, Manager of the promoter company and Sh. Sumitara Datta of M/s Envirotech India, Environmental Consultant of the promoter company and Sh. Sital Singh of M/s Chandigarh Pollution Testing Lab which has conducted the monitoring for the EIA study report. Sh. Sital Singh submitted that a show cause notice was issued by the SEIAA Punjab to the Lab on the recommendations of the SEAC based on the report submitted by a team of SEAC members. He further submitted that a written reply to the show cause notice has already been submitted by the Lab to SEIAA and submitted a copy of the said reply before the SEAC which was taken on record. The project proponent requested to consider their case sympathetically and recommended the same for environmental clearance.

After deliberations, the SEAC decided to ask the project proponent to carry out these monitoring of groundwater, ambient and noise for all the locations atleast for one week after following due procedure including 72 hours advance intimation to the SEAC.

Thereafter, the project proponent vide letter dated 04.11.2015 submitted the monitoring reports of groundwater, ambient air and noise alongwith the data sheets and location maps.

The case was considered by the SEAC in its 137<sup>th</sup> meeting held on 04.12.2015. The following were present on behalf of the project proponent:

- (i) Sh. Narinder Sharma, of promoter company
- (ii) Sh. R.S. Rana of M/s Envirotech India, Environmental Consultant of the promoter company

However, the case could not be taken up by the SEAC due to paucity of time and the SEAC decided that the case will be taken up in the next meeting of SEAC.

The case was considered by the SEAC in its 138<sup>th</sup> meeting held on 11.12.2015. The following were present on behalf of the project proponent:

- (i) Sh. Narinder Sharma, of promoter company
- (ii) Sh. S.Dutta of M/s Envirotech India, Environmental Consultant of the promoter company

The project proponent submitted the monitoring results of ground water samples, ambient noise and air monitoring for the period of one week. The SEAC observed that the ambient air monitoring has been got done from M/s Chandigarh Pollution testing laboratory and the analysis results indicate that the concentration of various pollutants such as PM10, SO2, NO2 and CO have been measured. Also, ambient noise monitoring has been got done from the said firm and the analysis results indicate that the noise levels during day have been measured at project site 1 and project site 2 as 71.1 dB(A) leq and 71.5 dB(A) leq, respectively, against the prescribed standards of 75 dB(A) leq. respectively. In reply to the query of the SEAC, the project proponent marked the location of the ground water monitoring station on the layout map.

The committee observed that Project Propoent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided that the case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala subject to the submission of

quantification of existing capacity of all the 8 CPW units including proposed expanded capacity of both the units i.e. M/s Ajanta Chemical Industries & M/s Flowtech Chemicals viz-a-viz installed handling capacity and the following conditions in addition to the proposed measures.

- (i) The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 as amended from time to time should be followed.
- (ii) Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
- (iii) Vehicular pollution due to transportation of raw material and finished product should be controlled. Proper arrangements should also be made to control dust emissions during loading and unloading of the raw material and finished product.
- (iv) The net water requirement shall not exceed 86 KLD, which will be met through SIEL Complex water supply. Out of this 86 KLD, 11 KLD will be used for domestic purposes, 68 KLD in the process and 7 KLD as make up water for cooling purposes. No effluent shall be discharged and 'zero' discharge shall be adopted. The domestic effluent @ 8.8 KLD will be used onto land for irrigation after passing through existing septic tank.
- (v) Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the groundwater recharging system.
- (vi) Regular monitoring of surface, sub-surface and ground water should be ensured and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Chandigarh, SEIAA, Punjab, PPCB and CPCB.
- (vii) Risk and Disaster Management Plan along with the mitigation measures as proposed shall be implemented.
- (viii) Green belt shall be developed as proposed. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- (ix) All the commitments made to the public during the Public Hearing / Public Consultation meeting should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Chandigarh & SEIAA, Punjab.
- (x) The project proponent shall spend an amount of Rs.6.3 Lacs/annum for the activities to be undertaken under the Corporate Social Responsibility programme. This amount will be in addition to the amount to be spent under the provisions of the Companies Act, 2013 and Companies (Corporate social Responsibility Policy) Rules, 2014.
- (xi) The company should provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile



toilets, 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.

- (xii) The project proponent shall adhere to the commitments made in the Environment Management Plan. The Environment Management Cell will be responsible for implementation of EMP. Rs.8.5 Lacs will be incurred on account of capital cost and Rs.2.0 lacs/annum will be incurred as recurring cost for implementation of EMP.
- (xiii) Seismic hazard & flood hazard history & management plan and trace element analysis for groundwater shall be submitted to the Ministry's Regional Office at Chandigarh, Punjab Pollution Control Board and CPCB within 3 months of issue of environmental clearance letter.
- (xiv) Piped vapourised chlorine gas and liquid chlorine bullets of 900 kg will be obtained from SIEL Chemicals. Paraffin wax reactor off gases will be scrubbed by the industry in its premises in the water for recovery of HCL and then conveyed back to SIEL Chemicals for further handling and disposal.
- (xv) SIEL Chemical at its end will vapourise liquid chlorine in a vaporizer and supply to the industry. SIEL Chemical will further scrub the conveyed off gases first in a two stage scrubber and then in three stage caustic scrubber. The scrubbed gases will be then vented out.

**General Conditions :**

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SEIAA/Punjab Pollution Control Board.
- iv) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.
- v) 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.
- vi) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.

- vii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.
- viii) 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.
- ix) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- x) 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.
- xi) The project proponent shall obtain CLU from the competent authority, if any authority insists.
- xii) The project proponent shall not abstract any groundwater and total water requirement shall be met through SIEL Complex water supply.
- xiii) 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.
- xiv) 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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xv) The State Environment Impact Assessment Authority 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.

- xvi) 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.

The case was considered by the SEIAA in its 102<sup>nd</sup> meeting held on 21.01.2016. The following were present on behalf of the project proponent:

- (i) Sh. Narinder Sharma, Manager of promoter company
- (ii) Sh. S. Datta of M/s Envirotech India, Environmental Consultant of the promoter company

Environmental Consultant of the promoter company presented the salient features of the project before the SEIAA.

The SEIAA observed that industry is a high risk chlorine gas leakage unit and complete detail of mechanism in place at site to handle the gas leakage incident are required to be provided and looked into.

To this observation of SEIAA, the project proponent sought some time for submission of written reply.

After deliberations, the SEIAA decided to remand the case to SEAC and re-examine the same on receipt of written reply from the project proponent regarding arrangements available at site to handle the gas leakage incident.

The industry vide letter dated Nil has submitted the reply to the observations raised by the SEIAA. A copy of the same is annexed in the agenda of the meeting.

The case was considered by the SEAC in its 141<sup>st</sup> meeting held on 27.02.2016. The following were present on behalf of the project proponent:

- (i) Sh. Narinder Sharma, Factory Manager of promoter company
- (ii) Sh. S.Dutta of M/s Envirotech India, Environmental Consultant of the promoter company

Environmental Consultant of the promoter company made a presentation on the risk assessment report of the project before the SEAC.

The SEAC observed that only identification of the risk assessment has been made. However, quantification, assessment of risk and action plan for reducing the same is required to be given. In this regard, the consultant of the promoter company sought time for the same as they have prepared the presentation only on the arrangements available at site to handle the gas leakage incident.

After deliberations, the SEAC accepted the request of the project proponent and decided to defer the case till next meeting.

Accordingly, the project proponent requested vide letter no. 2088 dated 09.03.2016 to submit the reply of above noted observation.

The industry vide letter dated 31.03.2016 has submitted the reply to the observations raised by the SEAC. A copy of the same is annexed herewith as **Annexure-A.**

**Item No.144.04: Application for environmental clearance under EIA Notification dated 14.09.2006 for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala by M/s Flowtech Chemicals (P) Ltd.**

The facts of the case are as under:

1. M/s Flowtech Chemicals (P) Ltd., has applied for obtaining environmental clearance as required under EIA Notification dated 14.09.2006 for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala. The project of the promoter pertains to category 'B' and it falls under category 5 (f) of the Schedule appended to the said Notification. As per application submitted by the industry, the details of the project are as under:
  - The area of the existing chemical manufacturing unit is 4048 sqm and expansion is to be carried out in the existing manufacturing unit.
  - The industry has proposed to increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA.
  - The total water requirement of the project after expansion will be 85 KLD, which will be met through SIEL Complex water supply. Out of which, 11 KLD will be used for domestic purpose, 67 KLD will be used in the process and 7 KLD will be used for cooling purpose.
  - About 8.8 KLD of domestic effluent will be generated, which will be treated in an existing septic tank. The treated wastewater will be discharged onto land for irrigation.
  - The existing power requirement available is 97 KW and about 103 KW additional powers required. Total power requirement will be 200 KW after expansion.

The case was considered by the SEAC in its 100<sup>th</sup> meeting held on 03.09.2014. The following were present on behalf of the project proponent:

- (i) Sh. R.K. Verma, Technical Adviser
- (ii) Sh. Sumitara Dutta of M/s Vardan Environet Gurgaon, Environmental Consultant of the promoter company

Sh. Sumitara Dutta, Environmental Consultant of the promoter company requested that the Committee may issue ToRs for carrying out the EIA study.

After detailed deliberations in the matter, it was decided to:

- i) Categorize this project as category **B-1** and to issue "Terms of Reference" to the project proponent for preparation of the draft Rapid EIA report.
- ii) To write to Punjab Pollution Control Board to verify and send compliance status of the industry w.r.t. Water & Air Act, within 15 days.

As decided, the ToRs were issued to the project proponent vide letter No. 2722 dated 10.09.2014.

Also, the Punjab Pollution Control Board was written to visit the site of the project.

Thereafter, M/s Ajanta Chemical Industries applied for obtaining environmental clearance under EIA notification dated 14.09.2006 and the case was considered by the SEAC in its 101<sup>st</sup> meeting held on 18.09.2014. After detailed deliberations in the matter, SEAC decided as under:

- i) Categorize this project as category **B-1** and issue "Terms of Reference" to the project proponent for preparation of the draft Rapid EIA report. However, before the issuance of ToRs, a team comprising of following shall visit the site including SIEL complex:
  - (a) Sh. A.S. Reddy, Member (SEAC)
  - (b) Secretary (SEAC)
  - (c) Environmental Engineer (SEAC)
  - (d) Asstt. Environmental Engineer (SEAC)

The scope of visit of the team will be as under:

- (a) Status of compliance of pollution control norms by the project proponent
- (b) Status of compliance of environmental laws and pollution control norms/Acts including capacity of existing pollution control equipments viz-a-viz adequacy to handle the additional pollution load.
- (c) The team may also gather additional information from Punjab Pollution Control Board if felt necessary.

- (d) The team based on its report shall finalize the ToRs.
- i) The ToRs be issued after the approval by Chairman (SEAC) on case file of the project proponent (M/s Ajanta Chemical Industries).
  - ii) Since the project proposal of M/s Flowtech Chemicals (P) Ltd., is of similar nature to whom ToRs were issued in the last meeting of SEAC, as such, both the project are required to be dealt on identical lines, therefore, the project proponent of M/s Flowtech Chemicals (P) Ltd., be intimated to put on hold the work of starting of the EIA study till be ToRs in the present case are finalized and the amended, if necessary, be issued to M/s Flowtech Chemicals (P) Ltd.

In compliance to the decisions, ToRs issued to M/s Flowtech Chemicals (P) Ltd were put on hold and project proponent was intimated vide letter no. 3049 dated 29.09.2014. M/s Ajanta Chemical Industries including SIEL complex, was visited by the team and submitted a report, which is reproduced as under:

SIEL Chemicals and the premises of the two chlorinated paraffin wax units were visited by the following:

- (a) Sh. A.S. Reddy, Member (SEAC)
- (b) Er. S.K Goel, Secretary (SEAC)
- (c) Er. Rajiv Sharma, Environmental Engineer (SEAC)
- (d) Er. Gulshan Kumar, Asstt. Environmental Engineer (SEAC)

**The activities observed**

1. SIEL Chemicals has 8 chlorinated paraffin wax units associated with it. These units obtain piped vaporized chlorine gas and liquid chlorine bullets of 900 kg chemicals. Paraffin wax reactor off gases are scrubbed by these units in water for the recovery of the HCL, and then conveyed back to the SIEL chemicals for further handling and disposal.
2. SIEL chemicals at its end vaporizes liquid chlorine in a vaporizer and supplies to these units. Further, it scrubs the conveyed off gases first in a 2 stage water scrubber and then in 3 stage caustic scrubber. The scrubbed gases are then vented out.
3. The oil to be chlorinated is heated to the desired temperature in a heater and supplied to the reactor. Chlorination is a batch process, wherein chlorine is bubbled through the oil while regulating the temperature till the chlorination reaction is completed. Chlorination results in the formation of HCL vapors. All the units have the provision of using chlorine either in bullets or in piped supply.
4. Two of the units are expanding and increasing their present capacity from the present 14 tons/day chlorine supply to 34 ton/day supply.

5. The SIEL chemical has limited vaporizing and piped chlorine gas supply capacity (70/80 tons/day). Rest of the chlorine, SIEL chemicals is planning to supply as liquid chlorine in 900 kg capacity bullets.

ToRs for the EIA studies may also include risk assessment of the chlorine gas and liquid chlorine handling, and of the chlorination reactor off gases.

### **Suggestions made**

- 1) SIEL chemicals should give in writing about its total capacities available for supplying the piped chlorine gas and the liquid chlorine bullet, and make a commitment in writing that it is capable of the supplying the piped chlorine gas and the liquid chlorine bullets to the industrial unit in question without making any expansions and capacities increase at its end.
- 2) SIEL chemicals should also make a written statement on its existing capacity to handle the chlorination off gases from the 8 chlorinated paraffin wax manufacturing units. Further, the SIEL chemicals should provide a written commitment to the effect that it can handle the chlorination off gases from all the 8 units even after the proposed capacity increase by the two chlorinated paraffin wax units, and, for this the SIEL chemicals does not require increasing its existing off gases handling capacities.
- 3) SIEL chemicals should also submit a copy of the environmental clearance it obtained from the MOEF, and it should clearly state its permitted capacities of piped chlorine gas supply, liquid chlorine bullets supply and of chlorination off gases handling.

Thereafter amended ToRs were issued to the project proponent vide letter no. 3550 dated 02.12.2014.

The project proponent vide letter dated 15.06.2015 has submitted the EIA report.

The case was considered by the SEAC in its 121<sup>st</sup> meeting held on 26.06.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. S.S.Dahiya, M.D of the industry
- (ii) Sh. Sital Singh of M/s Envirotech (India), Environmental Consultant of the project proponent



Sh. Sital Singh Environmental Consultant of the project proponent presented the EIA study report before the SEAC.

The SEAC observed that being an expansion project, compliance report verified by the Northern Regional Office of MoEF&CC is required. To this observation, the project proponent clarified that the industrial unit was established in the year 1999 i.e. prior to issuance of EIA notification, as such, environmental clearance was not required that at stage.

The SEAC further observed that:

1. Presentation made by the project proponent is not upto mark as various reports have not been linked with the main ToR points.
2. The visiting SEAC members have reported that sampling was not being done at site during their visit to surprise check the sampling and the project proponent is required to prove that monitoring/sampling was actually carried out at site.

After detailed deliberations the SEAC decided to defer the case till the project proponent submits the above mentioned information/documents.

The Project Proponent has submitted a letter dated 22/07/2015 to prove that monitoring/sampling was actually carried out at site.

The case was considered by the SEAC in its 125<sup>th</sup> meeting held on 11.08.2015. The following were present on behalf of the project proponent:

- (i) Sh. R.K. Verma, Technical Manager of promoter company
- (ii) Sh. R.S. Rana of M/s Envirotech India, Environmental Consultant of the promoter company

The SEAC observed that the present case is of similar nature and is required to be dealt after assessing the combined capacities of both the units (M/s Ajanta Chemical Industries & M/s Flowtech Chemicals) viz-a-viz installed capacities of all the 8 CPW units of the SIEL Complex and capacity available with M/s SIEL.

After deliberations, the SEAC decided to defer the case till the project proponent submits the reply to the above mentioned observations of SEAC.

The decision of SEAC has been conveyed to the project proponent vide letter No. 4551 dated 03/09/2015.

The case was considered by the SEAC in its 129<sup>th</sup> meeting held on 11.09.2015. The following were present on behalf of the project proponent:

- (i) Sh. R.K Verma, Manager of promoter company

- (ii) Sh. R.S. Rana of M/s Envirotech India, Environmental Consultant of the promoter company

Environmental Consultant of the promoter company submitted the reply to observation raised by the SEAC.

The SEAC observed that quantification of existing capacity of all the 8 CPW units including proposed expanded capacity of both the units i.e. M/s Ajanta Chemical Industries & M/s Flowtech Chemicals viz-a-viz installed handling capacity in its premises submitted by the Project Propoent is still not in order. To this observation of the SEAC, the Project Propoent submitted the revised information/clarification given by the M/s SIEL, which was taken on record.. .

The Committee observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided that the case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala subject to the submission of quantification of existing capacity of all the 8 CPW units including proposed expanded capacity of both the units i.e. M/s Ajanta Chemical Industries & M/s Flowtech Chemicals viz-a-viz installed handling capacity and the certain conditions as mentioned therein.

The proceedings of item no. 129.21 (M/s Ajanta Chemicals) and 129.22 (M/s Flowtech Chemicals) of 129<sup>th</sup> meeting were not confirmed by SEAC in its 130<sup>th</sup> meeting. It was decided to issue the amended proceedings for the said items. Accordingly, the amended proceedings were circulated to all the members, which included details of the visit report of the SEAC members.

Sh. J.S. Sekhon, Member (SEAC) raised his observation to the amended proceedings and emailed the same to all the members of SEAC, Chairman (SEIAA), Member Secretary (SEIAA) and Member (SEIAA).

The SEAC in its 131st meeting held on 05.10.2015 was apparised that since proceedings of item no. 129.21 and 129.22 were not confirmed in its 130<sup>th</sup> meeting, as such cases have not been forwarded to SEIAA and have been withheld.

After deliberations, the SEAC decided that decision in respect of these two items need to be reviewed and the same may be placed before the SEAC in the next meeting.

The case was considered by the SEAC in its 134<sup>th</sup> meeting held on 23.10.2015, which was attended by Sh. S.S. Dahiya of the promoter company and Sh. Sumitara Datta of M/s Envirotech India, Environmental Consultant of the promoter company and Sh. Sital Singh of M/s Chandigarh Pollution Testing Lab which has conducted the monitoring for the EIA study report. Sh. Sital Singh submitted that a show cause notice was issued by the SEIAA Punjab to the Lab on the recommendations of the SEAC based on the report submitted by a team of SEAC members. He further submitted that a written reply to the show cause notice has already been submitted by the Lab to SEIAA and submitted a copy of the said reply before the SEAC which was taken on record. The project proponent requested to consider their case sympathetically and recommended the same for environmental clearance.

After deliberations, the SEAC decided to ask the project proponent to carry out these monitoring of groundwater, ambient and noise for all the locations atleast for one week after following due procedure including 72 hours advance intimation to the SEAC.

Thereafter, the project proponent vide letter dated 04.11.2015 submitted the monitoring reports of groundwater, ambient air and noise alongwith the data sheets and location maps.

The case was considered by the SEAC in its 137<sup>th</sup> meeting held on 04.12.2015. The following were present on behalf of the project proponent:

- (i) Sh. R.K. Verma, Technical Manager of promoter company
- (ii) Sh. R.S. Rana of M/s Envirotech India, Environmental Consultant of the promoter company

However, the case could not be taken up by the SEAC due to paucity of time and the SEAC decided that the case will be taken up in the next meeting of SEAC.

The case was considered by the SEAC in its 138<sup>th</sup> meeting held on 11.12.2015. The following were present on behalf of the project proponent:

- (i) Sh. R.K. Verma, Technical Manager of promoter company
- (ii) Sh. S.Dutta of M/s Envirotech India, Environmental Consultant of the promoter company

The project proponent submitted the monitoring results of ground water samples ambient noise and air monitoring for the period of one week. The SEAC observed that the ambient air monitoring has been got done from M/s Chandigarh Pollution testing laboratory and the analysis results indicate that the concentration of various pollutants such as PM10, SO2, NO2 and CO have been measured. Also, ambient noise monitoring has been got done from the said firm and the analysis results indicate that the noise levels during day have been measured at project site 1 and project site 2 as 71.1 dB(A) leq and 71.5 dB(A) leq, respectively, against the prescribed standards of 75 dB(A) leq. respectively. In reply to the query of the SEAC, the project proponent marked the location of the ground water monitoring station layout map .

The Committee observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided that the case be forwarded to the SEIAA with the recommendation to grant environmental clearance to the project proponent for increase in the production capacity of Chlorinated Paraffin from 5040 MTA to 14560 MTA and hydrochloric acid from 10080 MTA to 29120 MTA in the SIEL Industrial Estate, in the revenue estate of Village Damanheri, Tehsil Rajpura, District Patiala subject to the submission of quantification of existing capacity of all the 8 CPW units including proposed expanded capacity of both the units i.e. M/s Ajanta Chemical Industries & M/s Flowtech Chemicals viz-a-viz installed handling capacity and the following conditions in addition to the proposed measures.

- (i) The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 as amended from time to time should be followed.
- (ii) Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
- (iii) Vehicular pollution due to transportation of raw material and finished product should be controlled. Proper arrangements should also be made to control dust emissions during loading and unloading of the raw material and finished product.
- (iv) The net water requirement shall not exceed 85 KLD, which will be met through SIEL Complex water supply. Out of this 85 KLD, 11 KLD will be used for domestic purposes, 67 KLD in the process and 7 KLD as make up water for cooling purposes. No effluent shall be discharged and 'zero' discharge

shall be adopted. The domestic effluent @ 8.8 KLD will be used onto land for irrigation after passing through existing septic tank.

- (v) Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the groundwater recharging system.
- (vi) Regular monitoring of surface, sub-surface and ground water should be ensured and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Chandigarh, SEIAA, Punjab, PPCB and CPCB.
- (vii) Risk and Disaster Management Plan along with the mitigation measures as proposed shall be implemented.
- (viii) Green belt shall be developed as proposed. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- (ix) All the commitments made to the public during the Public Hearing / Public Consultation meeting should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Chandigarh & SEIAA, Punjab.
- (x) The project proponent shall spend an amount of Rs.6.4 Lacs for the activities to be undertaken under the Corporate Social Responsibility programme. This amount will be in addition to the amount to be spent under the provisions of the Companies Act, 2013 and Companies (Corporate social Responsibility Policy) Rules, 2014.
- (xi) The company should provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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.
- (xii) The project proponent shall adhere to the commitments made in the Environment Management Plan. The Environment Management Cell will be responsible for implementation of EMP. Rs.10.5 Lacs will be incurred on account of capital cost and Rs.2.5 lacs/annum will be incurred as recurring cost for implementation of EMP.
- (xiii) Seismic hazard & flood hazard history & management plan and trace element analysis for groundwater shall be submitted to the Ministry's Regional Office at Chandigarh, Punjab Pollution Control Board and CPCB within 3 months of issue of environmental clearance letter.
- (xiv) Piped vapourised chlorine gas and liquid chlorine bullets of 900 kg will be obtained from SIEL Chemicals. Paraffin wax reactor off gases will be scrubbed by the industry in its premises in the water for recovery of HCL and then conveyed back to SIEL Chemicals for further handling and disposal.
- (xv) SIEL Chemical at its end will vapourise liquid chlorine in a vaporizer and supply to the industry. SIEL Chemical will further scrub the conveyed off gases first in a two stage scrubber and then in three stage caustic scrubber. The scrubbed gases will be then vented out.

### **General Conditions :**

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SEIAA/Punjab Pollution Control Board.
- iv) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.
- v) 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.
- vi) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.
- vii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.
- viii) 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.
- ix) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

- x) 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.
- xi) The project proponent shall obtain CLU from the competent authority, if any authority insists.
- xii) The project proponent shall not abstract any groundwater and total water requirement shall be met through SIEL Complex water supply.
- xiii) 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.
- xiv) 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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xv) The State Environment Impact Assessment Authority 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.
- xvi) 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.

The case was considered by the SEIAA in its 102<sup>nd</sup> meeting held on 21.01.2016. The following were present on behalf of the project proponent:

- (i) Sh. Shri Bhagwan, representative of the promoter company
- (ii) Sh. S. Datta of M/s Envirotech India, Environmental Consultant of the promoter company

Environmental Consultant of the promoter company presented the salient features of the project before the SEIAA.

The SEIAA observed that industry is a high risk chlorine gas leakage unit and complete detail of mechanism in place at site to handle the gas leakage incident are required to be provided and looked into.

To this observation of SEIAA, the project proponent sought some time for submission of written reply.

After deliberations, the SEIAA decided to remand the case to SEAC and re-examine the same on receipt of written reply from the project proponent regarding arrangements available at site to handle the gas leakage incident.

The industry vide letter dated Nil has submitted the reply to the observations raised by the SEIAA. A copy of the same is annexed in the agenda of the meeting.

The case was considered by the SEAC in its 141<sup>st</sup> meeting held on 27.02.2016. The following were present on behalf of the project proponent:

- (i) Sh. R.K. Verma, Manager (Tech), of promoter company
  - (ii) Sh. S.Dutta of M/s Envirotech India, Environmental Consultant of the promoter company
- Environmental Consultant of the promoter company made a

presnetation on the risk assessment report of the project before the SEAC.

The SEAC observed that only identification of the risk assessment has been made. However, quantification, assessment of risk and action plan for reducing the same is required to be given. In this regard, the consultant of the promoter company sought time for the same as they have prepared the presentation only on the arrangements available at site to handle the gas leakage incident.

After deliberations, the SEAC accepted the request of the project proponent and decided to defer the case till next meeting.

Accordingly, the project proponent requested vide letter no. 2085 dated 09.03.2016 to submit the reply of above noted observation.

The industry vide letter dated 31.03.2016 has submitted the reply to the observations raised by the SEAC. A copy of the same is annexed herewith as **Annexure-B.**



**Item No.144.05: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for area development project namely "Ajitgarh" in revenue estate of Village Rampur Kalan & Kurdi, Tehsil & Distt. Mohali by M/s Panchseel Co.op House Building Society Ltd.**

The facts of the case are as under:

M/s Panchseel Co.op House Building Society Ltd. have applied for obtaining the Environmental Clearance under EIA notification dated 14.09.2006 for area development project namely "Ajitgarh" in revenue estate of Village Rampur Kalan & Kurdi, Tehsil & Distt. Mohali. The project is covered under category 8 (b) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 155.92 acres consisting of group housing area of 3,38,165.43 sqm, EWS area of 5,363.99 sqm, commercial area of 6,977.48 sqm, school area of 13,612.19 sqm, religious area of 4,302.52 sqm, dispensary of 895.776 sqm, community center of area 5,058.57 sqm, green area of 39,363.26 sqm, parking area of 1,17,610.25 sqm and other miscellaneous areas.
- The total water requirement for the project will be 1287 KL/day, out of which 962 KL/day will be met through tubewell and remaining 325 KL/day will be met through recycling of treated wastewater.
- The total wastewater generation from the project will be 1030 KL/day, which will be treated in a STP to be installed within the project premises. The project proponent has proposed to use 325 KL/day of treated wastewater for flushing purpose, 216 KL/day will be used for irrigation of green area and 468 KL/day of remaining treated wastewater will be disposed to 32 acres of adjoining land for irrigation in summer season. In winter season, 325 KL/day of treated wastewater for flushing purpose, 71 KL/day will be used for irrigation of green area and 613 KL/day of remaining treated wastewater will be disposed to 32 acres of adjoining land for irrigation. In rainy season, 325 KL/day of treated wastewater for flushing purpose, 20 KL/day will be used for irrigation of green area and 664 KL/day of remaining treated wastewater will be disposed to 32 acres of adjoining land for irrigation.

- The total load of electricity required for group housing will be 10024.824 KW which will be taken from the PSPCL. There is a proposal to install DG sets for stand-by arrangement.
- 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 as per the provisions of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.
- The project proponent has submitted the "Terms of Reference".

The other details of the project have been given in the Form 1 & 1-A submitted by the promoter and the details of the proposed project are as under:

1.	Properly filled Form 1 & pre-feasibility report	Yes
2.	Proof of ownership of land	Submitted copy of the land deeds.
3.	CLU status	Submitted copy of CLU issued by Deptt. on Housing & Urban Development, Govt. of Punjab vide letter no. 5211 dated 09.11.2001.
4.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted.

Thereafter, Regional Office, Punjab Pollution Control Board, Mohali vide e-mail dated 21.09.2015 was requested to visit the project site and submit report regarding latest construction status.

Environmental Engineer, Regional Office, Mohali vide letter no. 63 dated 04.01.2016 intimated that the site was visited by AEE of his office on 02.01.2016 and Sh. Akashdeep Sharma, Project Engineer was contacted. During visit, it was observed that almost entire development work has been completed with regard to construction of roads , laying of sewerage system, stormwater sewer and provision of infrastructure required to supply electricity. Construction work of boundaries of all the parks and one Sh. Gurudwara Sahib, which is proposed to be constructed at the site, has been completed. Structural work of one house has been

completed and construction work of another house was in progress. The boundary wall of the project has also been completed.

The case was considered by the SEAC in its 139th meeting held on 05.01.2016 which was attended by Sh. Sandeep Garg, Environmental Consultant of the promoter Company.

Sh. Sandeep Garg of Environmental Consultant of the promoter company requested for exemption from obtaining the Environmental Clearance under EIA notification dated 14-09-2006 as the project was completed prior to the EIA notification dated 14-09-2006.

The SEAC, however, observed that the Project Proponent has not produced any documentary evidence to prove that :

- i. Their project was not covered even under EIA notification 1994/2004.
- ii. That no construction activity has been carried out after EIA notification 14.09.2006 or construction activity carried out if any was only ongoing project and no expansion has ever been made so as to decide that no credible action against the project proponent is warranted.

The SEAC decided to defer the case till project proponent submits reply to the above mentioned observations.

Accordingly, the project proponent was asked vide letter no. 410 dated 18.01.2016 to reply the aforesaid observation. Now, the project proponent vide its letter no. SPL(2015-16)-I dated 09.03.2016 submitted the reply of aforesaid observation which has been annexed at Annexure-A of the agenda. The reply submitted by the project proponent, has been summarized as under:

1. The project is residential colony for the 1984 riots affected project members. The project was given Change of Land Use approval by Govt. of Punjab, Department of Housing & Urban Development vide memo no. 13/59/97/2HG-2/s211 dated 09.11.2001. (Annexure-I enclosed with reply)
2. License for our project was approved by Greater Mohali Area Development Authority vide license no. LDS/2002/97 dated 21.02.2002. (Annexure-II enclosed with reply)
3. The consultant/architect in 2002 provided the estimate report regarding the development works. (Annexure-III enclosed with reply)

4. The society called the tenders in 2001 Newspaper advertisement showing notice inviting tender which were published in Indian Express & The tribune newspaper on 02.05.2002. (Annexure-IV enclosed with reply)
5. The development work was awarded to various contractors. (Annexure-V enclosed with reply: Copy of the agreement made with different contractors )
6. Development work was started and as per report of competent authority (PUDA); approx. 40% of the work was completed till September, 2003 i.e. in approx. 1 year time. (Annexure-VI enclosed with reply: Documentary proof )
7. Remaining 60% work was also completed before July, 2004 and the completion certificates were issued to the Executing agencies; (Annexure-VII enclosed with reply)
8. The complete development work was completed in 2004 before the EIA notification.
9. The project proponent submitted that the construction projects were not covered in the EIA Notification, 1994 and the development work of our project was completed before the EIA Notification, 2004.
10. Copy of the EIA Notification dated 27th Jan, 1994 and 7th July, 2004 ; (Annexure- VIII & IX respectively enclosed with reply)
11. The project proponent requested to grant the permission to withdraw environmental clearance application as the same is not applicable.

The case was considered by the SEAC in its 142<sup>nd</sup> meeting held on 11.03.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. A.P Singh, Member managing committee of the Promoter Society.
- (ii) Sh. Sandeep Garg, Environmental Consultant, M/s Eco Labs, Mohali, on behalf of the promoter company.

The Environmental Consultant of the promoter society briefed about the documentary evidences submitted to the SEAC to prove his contention and contended as under:

- i. Their project was also not covered under EIA notification, 1994 as amended in 2004.
- ii. That no construction activity has been carried out after EIA notification 14.09.2006 as the project had been completed before the issuance of said notification as is evident from the various documents submitted in this regard

as per detail provided vide clarificatory letter dated 09.03.2016. As such, no credible action against the project proponent is warranted

The SEAC was satisfied with the documentary evidences submitted and the explanations made thereof before it. After detailed deliberations, SEAC decided to recommend the case to SEIAA to allow the applicant to withdraw his application.

The case was considered by the SEIAA in its 105<sup>th</sup> meeting held on 01.04.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. Akashdeep, Engineer of the Promoter Society.
- (ii) Sh. Ravinder Kumar, Manager of the promoter Society
- (iii) Smt. Priyanka Madan, Environmental Consultant, M/s Eco Labs, Mohali, on behalf of the promoter company.

Smt. Priyanka Madan, Environmental Consultant of the promoter company requested to allow them to withdraw the application as recommended by SEAC.

The SEIAA observed that the project proponent in its application Form-1, basic information column No. (3) that approximately 90% work has been done at site whereas simultaneously the Society has claiming that the entire project was completed prior to March, 2004. Moreover, no concrete documentary evidence such as completion certificate issued by any Govt. Agency or any financial records etc. have been submitted to prove their contention.

After detailed deliberations, the SEIAA decided to remand the case to SEAC for re-consideration in view of the above noted observations.

The case is placed before the SEAC for consideration please.

## **PART-2 (ONLINE CASES)**

**Item no.144.06: Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for area development project in Sector- 88, 89, SAS Nagar, Distt. Mohali by M/s Greater Mohali Area Development Authority. (Proposal No. : SIA/PB/NCP/10610/2015)**

The facts of the case are as under:

M/s Greater Mohali Area Development Authority has applied for obtaining the Environmental Clearance under EIA notification dated 14.09.2006 for area development project in Sector- 88, 89, SAS Nagar, Distt. Mohali. The project is covered under category 8 (b) of the Schedule appended to the said notification.

Regional Office, Punjab Pollution Control Board, Mohali was requested to visit the project site and submit report regarding latest construction status.

Regional Office, Mohali vide e-mail dated 27.07.2015 has intimated that the project was visited by the AEE of the office on 15.07.2015 to check the construction status of the project and it was observed that the project is to be developed as plotted accommodation, commercial establishment and a site for group housing. The site of group housing is being developed by GMADA in the name of "Purab Premium Apartment" in an area of 117.118 acres, in which 1080 flats consisting of 1 BHK, 2520 flats of 2 BHK and 2760 flats of 3 BHK are being constructed having built up area of 10,00,000 sqmtr. The project namely M/s Purab Premium Apartment has been accorded environmental clearance under the EIA notification dated 14.02.2006 vide SEIAA/M.S./2013/889 dated 14.02.2013. The civil construction work of group housing project was in progress at the time of visit, however, no development work has been started in rest of part of the project to be developed as plotted accommodation and commercial establishments.

The case was considered by the SEAC in its 124<sup>th</sup> meeting held on 28.07.2015, but no one from GMADA attended the meeting.

As such, in light of Office Memorandum dated 25.02.2010 of the Ministry of Environment & Forests, Govt. of India, the SEAC decided to defer the case and GMADA be asked to attend the meeting as and when held.

The case was considered by the SEAC in its 125<sup>th</sup> meeting held on 11.08.2015, which was attended by the following on behalf of GMADA:

- (i) Er. D.C. Bansal, Divisional Engineer (PH), GMADA

- (ii) Ms Rupa Roshan of M/s Mitcon Consultancy & Engineering Services Ltd.,,  
Environmental Consultant of GMADA

The SEAC observed that the project proponent is required to submit the following documents to enable the SEAC to appraise the case:

- i. NOC from Chief Wildlife Warden or copy of acknowledgement alongwith copy of complete application submitted for permission from National Wild Life Board.
- ii. NOC from concerned DFO or copy of acknowledgement alongwith copy of complete application submitted online to DFO for obtaining forest clearance under Forest (Conservation) Act, 1980.

After discussions, the SEAC decided to defer the case till the project proponent submits the above noted documents.

The decision of the Committee was conveyed to the project proponent vide letter no. 4552 dated 03.09.2015.

The project proponent vide letter no. 3988 dated 21.09.2015 has submitted the following documents:

1. Copy of the NOC no.5272 dated 08.09.2015 issued by DFO, SAS Nagar.
2. Copy of the application no. 3887 dated 10.09.2015 submitted to the Chief Conservation of Forest-cum-Chief Wild Life Warden for obtaining wildlife clearance from National Wild Life Board.

However, the project proponent has not submitted the copy of the set of the complete documents which has been submitted by him alongwith the application to the Chief Conservation of Forest-cum-Chief Wild Life Warden.

The case was considered by the SEAC in its 134<sup>th</sup> meeting held on 23.10.2015, which was attended by the following on behalf of GMADA:

- (i) Er. D.C. Bansal, Divisional Engineer (PH), GMADA
- (ii) Ms Kavita Zog of M/s Mitcon Consultancy & Engineering Services Ltd.,,  
Environmental Consultant of GMADA
- (iii) Sh. Arun Kumar of M/s Mitcon Consultancy & Engineering Services Ltd.,,  
Environmental Consultant of GMADA

The project proponent submitted a copy of the set of the complete documents which has been submitted by him alongwith the application to the Chief Conservation of Forest-cum-Chief Wild Life Warden, which was taken on record.

Ms Kavita Zog of M/s Mitcon Consultancy & Engineering Services Ltd, who is the Environmental Consultant of the GMADA, presented the case before the SEAC as under:

- The total land area of the project is 15,90,414.574 sqm (393 acres) and the total built up area will be 3,75,255.36 sqm.
- The fresh water requirement for the project will be 7382 KL/day which will be met through GMADA water supply and 5315 KL/day of water requirement will be met through recycling of treated wastewater.
- The total load of electricity required for group housing will be 20,000 KVA which will be taken from the PSPCL. There is a proposal to install DG sets for stand-by arrangement.
- 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 as per the provisions of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.

The project proponent has submitted the "Terms of Reference".

The Committee noted that the case pertains to category 8 (b) of the Schedule appended to the EIA Notification dated 14.9.2006 and such type of projects are to be appraised as category B-1 as per the said notification. Thus, the project proponent is required to be issued '**Terms of Reference**' for preparation of draft Rapid EIA study report.

The representative of the project proponent submitted that EIA study has already been conducted with standard TOR's and requested for accepting the same. The Committee, however, decided that EIA study carried out on standard TOR's cannot be accepted as per the decision taken in a joint meeting of SEIAA & SEAC. However, the project proponent may start the monitoring for preparation of the EIA study report after following the due procedure including the advance intimation of monitoring schedule to the SEIAA & SEAC but without waiting for the formal issuance of the ToRs by the SEAC.



After detailed deliberations in the matter, it was decided to finalize following "**Terms of Reference**" and to convey the same to the project proponent for preparation of detailed draft Rapid EIA report:

- i) The project falls under category B-1 under item 8(b) Township and Area Development projects and requires an Environmental Impact Assessment Study for the entire site area.
- ii) Examine the land use area of the project as per the Master Plan / Local Planning area and its permissible uses.
- iii) Give unit wise breakup of water consumption with their source.
- iv) A site plan showing the project site and its surrounding with physical features, meteorology and topographical details such as land use, contours and drainage pattern along with photographs of the site from all four sides, should be included in background information.
- v) Examine and submit details of buildings to be constructed with details of built up area and infrastructure proposed to be provided.
- vi) Examine in detail the proposed site with reference to impact on existing infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/ raw wastes from the project on land, surface water or sewerage system.
- vii) If the project is coming next to National Highway, then, submit details of connecting the project site with the National Highway and buffer zone to be provided towards the National Highway in consultation with NHAI.
- viii) Examine entry/exit of the project including the crossings from the Highway and provision of service roads.
- ix) Furnish details on precautions & road safety measures as per NHAI guidelines.
- x) Study the socio-economic situation of the project area and its surroundings and their impact on the project design and operation.
- xi) Study the existing flora and fauna of the area and the impact of the project on them.
- xii) Study the hydrological and geo-hydrological conditions of the project area. Include a contour plan indicating slopes and showing drainage pattern and outfall. The total site topography should be examined with detailed contours to analyze the study.
- xiii) Submit details of location of existing and proposed bore wells.
- xiv) Examine and submit details about the Resettlement and Rehabilitation of project-affected persons, in accordance with the National Resettlement and Rehabilitation policy.
- xv) Submit development strategy for the proposed project.
- xvi) Give details of sewage treatment plant and use of treated wastewater.

- xvii) Examine and submit details of natural drainage near the proposed project site. Storm water drainage and outfall should be described in detail. Storm water should be worked out on the basis of peak hourly runoff and the storage of rainwater should be based on daily runoff. Segregate terrace and surface runoff.
- xviii) Rain water harvesting proposals should be made only for roof top with due safeguards for ground water quality. Maximise recycling of water and utilisation of rain water. Use treated wastewater first for horticulture and then for flushing.
- xix) Assess soil erosion in view of soil characteristics, topography and rainfall pattern.
- xx) Examine and submit details of power requirement and their supply & back-up source. Application of renewable energy/alternate energy, such as solar and wind energy may be described in kWh/sq.m./annum. Provide solar PV for daytime lighting of corridors and common areas.
- xxi) Diesel power generating sets, if proposed, as source of back up power for elevators and common area illumination during construction / operation phase should be of enclosed type and conform to emissions and noise standards laid down by the MoEF under the Environment (Protection) Act, 1986 and comply with the guidelines laid down by the CPCB.
- xxii) Identification of recyclable wastes and waste utilisation arrangements may be made.
- xxiii) Use of environment friendly materials and local building materials. The provisions of fly ash notification should be kept in view.
- xxiv) Risk assessment and disaster management plan should be proposed.
- xxv) Traffic management plan including parking of all type of vehicles and loading/unloading areas may be described. Traffic survey should be carried out on week days and week end. Also, analyse the anticipated traffic increase. Analyse and submit details of survey of traffic and transport and necessary improvement required. Also examine the link with National Highway and provision should be made for service roads. In this respect IRC guidelines may be followed for road width etc.
- xxvi) Make provision of green belt as a measure for mitigation of dust and noise and buffer between habitation and Highway. Also submit landscape plan.
- xxvii) Provision should be made for guard pond and similar provisions for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
- xxviii) EMP should include technical and institutional aspects for pre-treatment by constituent units.
- xxix) Landscape plan, green belts and open spaces may be described.

- xxx) Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment.
- xxxi) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan.
- xxxii) 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 wastewater & 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.
- xxxiii) The project proponent shall ensure the compliance of the provisions of order dated 25.07.2008 as amended from time to time, issued by the Govt. of Punjab, Deptt. of Science, Technology & Environment.
- xxxiv) Other details as indicated in Appendix III of EIA Notification 2006 and the manual titled as "EIA guidance Manual-Building, Construction, Township and area Development projects" published by the Ministry of Environment & Forests, New Delhi, should also be attended.

A detailed draft EIA/EMP report should be prepared as per the above TOR and shall be submitted to the SEAC as per the provisions of the EIA Notification dated 14.9.2006. The aforesaid 'Terms of Reference' will be valid for a period of two years from its issuance.

Accordingly, "Terms of Reference" has been conveyed vide letter no 5463-67 dated 18/11/2015 to the project proponent for preparation of detailed draft Rapid EIA report.

Now, the project proponent vide letter no. 760 dated 17.02.2016 has submitted the EIA report of "Area development Project located at Sector 88-89, S.A.S Nagar, District-Mohali, Punjab.

The case is placed before SEAC for consideration.

**Item No. 144.07: Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Western Tower ( Ralio Heights)" in the revenue estate of Village Kharar, Tehsil Kharar, Distt. Mohali by M/s Star Realtech & Developers Pvt. Ltd. (Proposal no. SIA/PB/NCP/40910/2016)**

The facts of the case are as under:

M/s Star Realtech & Developers Pvt. Ltd. has applied for environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely " western tower ( Ralio Heights)" " in the revenue estate of Village Kharar, Tehsil Kharar, Distt. Mohali. The project is now covered under category 8 (a) of the Schedule appended to the said notification. Earlier, built up area was 19204 sqm (164 flat) which is less than 20000 sqm and thus no Environmental Clearance was required. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 3.40 acre and the total built up area has been increased from 19204 sqm (164 flats) to 31288 sqm (261 flats). The total additional built up area of the Group Housing Project is 12084 sqm.
- The total water requirement for the project will be 176 KL/day, out of which 131 KL/day will be met through own tubewells and remaining 45 KL/day will be met through recycling of treated wastewater.
- The total wastewater generation from the project will be 140 KL/day, which will be treated in a STP to be installed within the project premises. The project proponent has proposed to use 45 KL/day of treated wastewater for flushing purpose, 11 KL/day will be used for irrigation of green area (2053 sqm) and remaining 84 KL/day will be discharged into M.C. sewer in summer season. In winter season, 45 KL/day of treated wastewater will be used for flushing purpose, 03 KL/day will be used for irrigation of green area and remaining 92 KL/day will be discharged into M.C. sewer. In rainy season, 45 KL/day of treated wastewater will be used for flushing purpose and remaining 95 KL/day will be discharged into M.C. sewer.
- The total quantity of solid waste generation after expansion will be 522 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The biodegradable waste would be sent to the approved site. The non-biodegradable and the recyclable waste will be sold to the recyclers.
- The total load of electricity required for group housing after expansion will be 1400 KW which will be taken from the PSPCL. There is a proposal to install silent DG sets 2 x 240 KVA & 1 x 125 KVA as stand-by arrangement.
- 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

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	<p>(a) <b>In case(s) where land has already been purchased/acquired:</b> Proof of ownership of land</p> <p>(b) <b>In case where land is yet to be purchased/acquired:</b> Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)</p>	Submitted
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	MC Kharar approved plan submitted. Further, MC Kharar issued letter no. 391 dated 24.06.2015 to the effect that technical approval has been given to the project on 15.05.2012. At that time, Local govt. has neither issued any guidance regarding the CLU nor was the same applicable on the project.
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	The project proponent has submitted the existing Layout plan dully approved by MC, Kharar and conceptual plan of the expansion of the project.
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted.

8.	<p>Site plan of the project showing the following</p> <ul style="list-style-type: none"> <li>i) Location of STP ;</li> <li>ii) Solid waste storage area.</li> <li>iii) Green belt</li> <li>iv) Parking space</li> <li>v) RWH and water recharge pits</li> <li>vi) Firefighting equipment layout</li> <li>vii) First aid room</li> <li>viii) Location of Tube wells</li> <li>ix) DG Sets and Transformers</li> </ul>	<ul style="list-style-type: none"> <li>i. Marked</li> <li>ii. Marked</li> <li>iii. Marked</li> <li>iv. Marked</li> <li>v. Marked</li> <li>vi. Marked</li> <li>vii. Marked</li> <li>viii. Marked</li> <li>ix. Marked</li> </ul>
9.	<p>Permission of Competent Authority for;</p> <p><b>a) Water and Sewerage connection</b></p> <p>A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan.</p> <p><b>b) Collection of Solid waste</b></p>	<p>a) Submitted copy of letter issued by M.C. Kharar vide letter no. 560 dated 04.08.2015 to the project proponent wherein, it has been mentioned that the Council has no objection for giving sewerage connection for discharging there treated wastewater 140 KLD after deposition of requisite charges.</p> <p>b) Submitted copy of letter issued by M.C. Kharar vide letter no. 391 dated 24.06.2015 to the project proponent to the effect that the solid waste to be generated from the project, will be collected by MC, Kharar on payment. The handling of Municipal Solid waste will be done as per the MSW rules 2000.</p>
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of land for use of treated sewage and plantation.	Submitted. However, excess treated sewerage water will be discharge into MC Sewer.
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories.	The ambient air monitoring has been got done from M/s EKO PRO Engineers Pvt. Ltd. and the analysis results indicate that the concentration of various pollutants such as PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>2</sub> and CO have been measured. Also, ambient noise monitoring has been got done from the said firm and

		the analysis results indicate that the maximum noise levels during day and night times, have been measured as 51.4 dB(A) and 42.4 dB(A) , respectively, against the prescribed standards of 55 and 45 dB(A). The analysis report of groundwater has also been submitted.
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	Submitted
15.	Construction schedule (PERT/CPM Chart)	Submitted.
16.	Undertaking(s) for ; a) Constitution of Environment Monitoring Cell b) Use of ready mix concrete or use of fly ash during construction. c) To provide Fire Fighting System d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase. e) To provide adequate safety measures for the construction workers during the construction phase.	Submitted.
17.	Environmental Management Plan indicating the following:  a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project.  b) Compliance of various environmental regulations  c) Steps to be taken in case of emergency such as accidents at the site including fire.  d) For how long period the project proponent will be responsible for implementation of EMP and the	(a) Submitted          (b) Submitted          (c) Submitted          (d) Director of the Company will be responsible for implementation of EMP.

	<p>name of the person(s) responsible for implementation of EMP.</p> <p>e) Capital &amp; recurring cost for the EMP per year and the details of funds for the same.</p> <p>f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.</p>	<p>(e) During construction phase, 7.0 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 4.5 lacs/annum will be incurred on account of recurring charges. During operation phase, Rs. 51 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 10.0 Lacs/annum lacs will be incurred on account of recurring charges.</p> <p>(f) The association of Residents or MC whosoever takes over the project will be responsible for implementation of EMP.</p>
18.	Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.	<p>Rs. 5.00 lacs will be utilized for following activities under Corporate Social Responsibility :</p> <p>(i) Widening of the road in the vicinity of the project.</p> <p>(ii) Toilets for the girls in the nearest village School.</p>
19.	Traffic Circulation System and connectivity with a view to ensuring adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted
20.	Disaster/Risk Assessment and Management Plan	Submitted
21.	A copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project	Submitted

Environment Engineer, Punjab Pollution Control Board, Mohali was requested vide email dated 04.02.2016 to visit the site and intimate the construction status of the project. The Environmental Engineer, Regional Office, Mohali informed



that the site of the project was visited by AEE of his office on 15.02.2016 and Sh Vineet Chaudhary, representative of the promoter company was contacted. During the visit, it was observed as under:

1. The site of the project is located in the revenue estate of village Chajjumajra, Kharar, Distt. S.A.S. Nagar.
2. The promoter company has started the construction activity at the site. Structural work of 02 no. towers upto S+5 levels has been completed and foundation work of 01 tower has also been completed at the site.
3. The representative of the promoter company informed that total of 05 no. towers having 261 no. of flats will be constructed at the site

A perusal of the documents received through email dated 04.02.2016 shows that total built up area of the project is 31288 sqm., however, the same could not be ascertained as the approved layout plan has not been received in this office. However, the representative of the promoter company provided a copy of the layout plan approved by MC, Kharar in which the total built up area has been mentioned as 16868.38sqm. The said layout plan is approved for 03 no. of towers having 164 no. of flats. The representative of the promoter company informed that they have now revised the project proposal and will now construct 05 no. of towers having total of 261 no. of flats. He further informed that they are yet to get the layout plan approved for the revised proposal from the competent authority.

The case was considered by the SEAC in its 141<sup>st</sup> meeting held on 27.02.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. Maninder Jeet Singh, Manager Sales of the promoter company.
- (ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company

Before allowing the presentation to the Environmental Consultant of the promoter company, the SEAC observed that application has been submitted for the expansion of group housing project by M/s Star Real-tech & Developers Pvt. Ltd. The total built up area of the project, has been increased from 19204 sqm (164 flats) to 31288 sqm (261 flats). The SEAC observed that existing built up area is 19204 sqm which is nearer to 20,000 sqm. Therefore, the SEAC felt that before appraisal of expansion proposals, a team of two SEAC members (Er. Malvinder Singh and Sh. J S Sekhon), is required to be sent for verification to ascertain

whether earlier built up area is actually less than 20,000 sqm & to check the violation with respect to construction of expansion component of the project.

After discussion, SEAC decided to defer the case till the verification report from the SEAC members is received.

Accordingly, a team of Er. Malvinder Singh and Dr. Akepati Sivarami Reddy (SEAC members) was constituted and requested vide mail dated 08/03/2016 to visit the project site to verify the compliance of existing project & construction status with regard to expansion component of the project.

The project site was visited by Er. Malvinder Singh and Dr. Akepati Sivarami Reddy, Member (SEAC) on 10.03.2016 and the visit report received vide mail 17.03.2016 was attached as **Annexure-D** of the agenda.

The case was placed in the agenda of 143<sup>rd</sup> meeting held on 30.03.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. Maninderjit Singh, Manager, Sales & Marketing of the promoter company.
- (ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

When the project proponent was called to present the case at his turn, he sought some time to procure some documents required for the presentation. The SEAC agreed and decided to take up the case at the end. However, the case could not be taken up in the end due to paucity of time and the same was deferred.

The project site was visited by Er. Malvinder Singh and Dr. Akepati Sivarami Reddy, Member (SEAC) on 10.03.2016 and the visit report received vide mail 17.03.2016 is attached as **Annexure-C**.

The case is placed before SEAC for consideration.

**Item No. 144.08: Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Emerging Heights III" at Kharar- Landran Road, Sector 115 in the revenue estate of Village Santemajra, Tehsil Kharar, Distt. Mohali by M/s Emerging India Housing Corporation Pvt Ltd. (Proposal no. SIA/PB/NCP/42969/2016)**

The facts of the case are as under:

M/s Emerging India Housing Corporation Pvt Ltd. has applied for environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely " Emerging Heights III" at Kharar- Landran Road, Sector 115 in the revenue estate of Village Santemajra, Tehsil Kharar, Distt. Mohali. The project is covered under category 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 15175.37 sqm. The total built up area has been increased from 30350.74 sqm (264 flats & 10 shops) to 33840.4 sqm (319 flats & 10 shops ). Thus, the total additional built up area of the Group Housing Project is 3490 sqm (55 flats).
- After expansion, the total water requirement for the project will be 216 KL/day, out of which 157 KL/day will be met through own tubewells and remaining 59 KL/day will be met through recycling of treated wastewater.
- After expansion, the total wastewater generation from the project will be 143 KL/day, which will be treated in a STP of capacity 175 KLD to be installed within the project premises. The project proponent has proposed to use 59 KL/day of treated wastewater for flushing purpose, 16 KL/day will be used for irrigation of green area (2875 sqm) and remaining 68 KL/day will be discharged into M.C. sewer in summer season. In winter season, 59 KL/day of treated wastewater will be used for flushing purpose, 05 KL/day will be used for irrigation of green area and remaining 79 KL/day will be discharged into M.C. sewer. In rainy season, 59 KL/day of treated wastewater will be used for flushing purpose and remaining 84 KL/day will be discharged into M.C. sewer.
- After expansion, the total quantity of solid waste generation after expansion will be 642 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The biodegradable waste would be sent to the approved site. The non-biodegradable and the recyclable waste will be sold to the recyclers.
- After expansion, the total load of electricity required for group housing after expansion will be 1800 KW which will be taken from the PSPCL. There is a proposal to install silent DG sets 2 x 250 KVA & 1 x 125 KVA as stand-by arrangement.
- 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

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	<p>(a) <b>In case(s) where land has already been purchased/acquired:</b> Proof of ownership of land</p> <p>(b) <b>In case where land is yet to be purchased/acquired:</b> Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)</p>	Submitted
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	Submitted, a copy of letter no. 1499 dated 28.12.2012 issued by the MC, Kharar to the effect that it has approved the Group Housing Scheme vide its letter no. 83 dated 17.04.2012 according to the CTP, local Govt. Punjab memo no. CTP-LG-11/1050 dated 30.08.2011. The project falls in the residential zone as per the master plan. No change of land use has been required for the project.
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Submitted.
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted.

8.	<p>Site plan of the project showing the following</p> <ul style="list-style-type: none"> <li>i) Location of STP ;</li> <li>ii) Solid waste storage area.</li> <li>iii) Green belt</li> <li>iv) Parking space</li> <li>v) RWH and water recharge pits</li> <li>vi) Firefighting equipment layout</li> <li>vii) First aid room</li> <li>viii) Location of Tube wells</li> <li>ix) DG Sets and Transformers</li> </ul>	<ul style="list-style-type: none"> <li>i. Marked</li> <li>ii. Marked</li> <li>iii. Marked</li> <li>iv. Marked</li> <li>v. Marked</li> <li>vi. Marked</li> <li>vii. Marked</li> <li>viii. Marked</li> <li>ix. Marked</li> </ul>
9.	<p>Permission of Competent Authority for;</p> <p><b>a) Water and Sewerage connection</b></p> <p>A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan.</p> <p><b>b) Collection of Solid waste</b></p>	<p>a) Submitted copy of letter issued by M.C. Kharar vide letter no. SPL-1 dated 10.04.2015 to the project proponent wherein, it has been mentioned that the Council has no objection for giving sewerage connection for discharging there treated wastewater 143 KLD after deposition of requisite charges.</p> <p>b) Submitted copy of letter issued by M.C. Kharar vide letter no. 1365 dated 05.12.2012 to the project proponent to the effect that the solid waste to be generated from the project, will be collected by MC, Kharar on payment.</p>
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of land for use of treated sewage and plantation.	Submitted, Green area marked on the layout plan. However, excess treated sewerage water will be discharge into MC Sewer.
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories.	The ambient air monitoring has been got done from M/s Chandigarh Pollution Testing Laboratory and the analysis results indicate that the concentration of various pollutants such as PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>2</sub> and CO have been

		measured. Also, ambient noise monitoring has been got done from the said firm and the analysis results indicate that the maximum noise levels during day and night times, have been measured as 50.2 dB(A) and 40.1 dB(A) , respectively, against the prescribed standards of 55 and 45 dB(A). The analysis report of groundwater has also been submitted.
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	Submitted
15.	Construction schedule (PERT/CPM Chart)	Submitted.
16.	Undertaking(s) for ; a) Constitution of Environment Monitoring Cell b) Use of ready mix concrete or use of fly ash during construction. c) To provide Fire Fighting System d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase. e) To provide adequate safety measures for the construction workers during the construction phase.	Submitted.
17.	Environmental Management Plan indicating the following: a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project. b) Compliance of various environmental regulations c) Steps to be taken in case of emergency such as accidents at the site including fire. d) For how long period the project proponent will be responsible for	(a) Submitted    (b) Submitted  (c) Submitted  (d) Director of the Company will be responsible

	<p>implementation of EMP and the name of the person(s) responsible for implementation of EMP.</p> <p>e) Capital &amp; recurring cost for the EMP per year and the details of funds for the same.</p> <p>f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.</p>	<p>for implementation of EMP.</p> <p>(e) During construction phase, 12.0 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 3.5 lacs/annum will be incurred on account of recurring charges. Rs. 3.0 lacs will be incurred on account of recurring charges for environment monitoring plan. During operation phase, Rs. 42.5 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 7.0 Lacs/annum lacs will be incurred on account of recurring charges. Rs. 2.20 lacs will be incurred on account of recurring charges for environment monitoring plan.</p> <p>f) The association of Residents or MC whosoever takes over the project will be responsible for implementation of EMP.</p>
18.	<p>Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.</p>	<p>Director of the company will be responsible for the implementation of the CSR. Rs. 5.00 lacs will be utilized for following activities under Corporate Social Responsibility :</p> <ul style="list-style-type: none"> <li>i. Local youth imparted training in the field of carpentry and mason work etc.</li> <li>ii. Preference in the jobs to nearby area people.</li> <li>iii. Distribution of free books in the village.</li> <li>iv. Medical free check up/ Health camps will be</li> </ul>

		organized in the village santemajra
19.	Traffic Circulation System and connectivity with a view to ensuring adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted
20.	Disaster/Risk Assessment and Management Plan	Submitted
21.	A copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project	Submitted

The project proponent has also submitted the structural stability certificate from the structural consultant to the effect that structure design of the proposed project is safe upto 09 storey as per the latest guidelines.

A team of Prof. P. Thareja and Dr. V.K. Singhal (SEAC members) was constituted and requested vide mail dated 04/03/2016 to visit the project site to verify the compliance of existing project & construction status with regard to expansion component of the project.

The project site was visited by Prof. P. Thareja and Dr. V.K. Singhal, Member (SEAC) and the visit report received vide mail 22.03.2016, was attached as Annexure-F of the Agenda.

The case was placed in the agenda of 143<sup>rd</sup> meeting held on 30.03.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. Ravi Kumar, Architect of the promoter company.
- (ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company.

When the project proponent was called to present the case at his turn, he sought some time to procure some documents required for the presentation. The SEAC agreed and decided to take up the case at the end. However, the case could not be taken up in the end due to paucity of time and the same was deferred.

The project site was visited by Prof. P. Thareja and Dr. V.K. Singhal, Member (SEAC) and the visit report already submitted vide email dated 22.03.2016, is attached as Annexure-D.

The case is again placed before the SEAC for consideration.



**Item No. 144.09: Application for environmental clearance granted under EIA notification dated 14.09.2006 for the construction of group housing project namely "Joynest MOH 1" in the revenue estate of Village Chatt, Zirakpur by M/s Amazing Real Estate Pvt. Ltd. (Proposal no. SIA/PB/NCP/50084/2016)**

The facts of the case are as under:

M/s Amazing Real Estate Pvt. Ltd. has applied for environmental clearance under EIA notification dated 14.09.2006 for the construction of group housing project namely " Joynest MOH 1" " in the revenue estate of Village Chatt, Zirakpur. The project is covered under category 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 43164.716 sqm and the total built up area of the Group Housing Project is 84344.673 sqm. The project consists of 1056 flats and 06 shops.
- The total water requirement for the project will be 713 KL/day, out of which 528 KL/day will be met through Ground water supply and remaining 185 KL/day will be met through recycling of treated wastewater.
- The total wastewater generation from the project will be 570 KL/day, which will be treated in a STP of capacity 625 KLD to be installed within the project premises. The project proponent has proposed to use 185 KL/day of treated wastewater for flushing purpose, 35 KL/day will be used for irrigation of green area (6474 sqm) and remaining 350 KL/day will be sold to the contractors for construction purposes till the project proponent get permission from the competent authority for sewer connection. In winter season, 185 KL/day of treated wastewater will be used for flushing purpose, 12 KL/day will be used for irrigation of green area (6474 sqm) and remaining 373 KL/day will be sold to the contractors for construction purposes till the project proponent get permission from the competent authority for sewer connection. In rainy season, 185 KL/day of treated wastewater will be used for flushing purpose, 3 KLD will be used for irrigation of green area (6474 sqm) and remaining 382 KL/day will be sold to the contractors for construction purposes till the project proponent get permission from the competent authority for sewer connection. The project proponent has also proposed to utilize the treated waste water

during construction phase of the project.

- The total quantity of solid waste generation will be 2117 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The bio-degradable will be converted into manure till permission from the competent authority obtained for disposal at approved site. The non-biodegradable and the recyclable waste will be sold to the recyclers.
- The total load of electricity required for group housing will be 5400 KW which will be taken from the PSPCL. There is a proposal to install silent DG sets 1 x 240 KVA, 2 x 125 KVA & 2 x 500 KVA as stand-by arrangement.
- The project proponent has also proposed to provide rain water harvesting system to recharge the rain water after adequate treatment as per the norms of CGWA.
- 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

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	(a) In case(s) where land has already been purchased/acquired: Proof of ownership of land (b) In case where land is yet to be purchased/acquired: Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)	Submitted, letter of consent issued by the owner of land to M/s Amazing Real Estate pvt. Ltd. for the development of Group Housing Project.
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	Submitted, copy of the master plan of the area showing the land use pattern of the proposed site issued by the Department of Town & Country Planning Punjab.

4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Conceptual plan of the project submitted.
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted.
8.	Site plan of the project showing the following i) Location of STP ; ii) Solid waste storage area. iii) Green belt iv) Parking space v) RWH and water recharge pits vi) Firefighting equipment layout vii) First aid room viii) Location of Tube wells ix) DG Sets and Transformers	<ul style="list-style-type: none"> <li>i. Marked</li> <li>ii. Marked</li> <li>iii. Marked</li> <li>iv. Marked</li> <li>v. Marked</li> <li>vi. Marked</li> <li>vii. Marked</li> <li>viii. Marked</li> <li>ix. Marked</li> </ul>
9.	<p>Permission of Competent Authority for;</p> <p><b>a) Water and Sewerage connection</b> A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan.</p> <p><b>b) Collection of Solid waste</b></p>	<p><b>a)</b> The project proponent submitted that the total daily domestic water requirement for the proposed project would be 713 KL / day. The sources of water for the proposed project are: -</p> <ul style="list-style-type: none"> <li>i. Ground Water (Main Source)</li> <li>ii. Public Supply (Not available but in near future it is proposed)</li> <li>iii. Recycling of treated effluent from STP.</li> <li>iv. The project proponent further submitted that the treated waste water will be sold to the contractor for construction purposes till the permission from the GMADA not received.</li> </ul> <p><b>b)</b> Solid waste will be collected separately as Biodegradable and</p>

		Non-biodegradable waste as per the MSW Rules, 2000. The biodegradable will be converted into manure till permission from the competent authority for disposal at approved site obtained. The non-biodegradable and recyclable waste would be sold to the recyclers.
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of land for use of treated sewage and plantation.	The project proponent submitted that the treated waste water will be sold to the contractor for construction purposes till the permission from the GMADA not received.
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories.	The ambient air monitoring has been got done from the Chandigarh Pollution Testing Laboratory and the analysis results indicate that the concentration of various pollutants such as PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>2</sub> and CO have been measured. Also, ambient noise monitoring has been got done from the said firm and the analysis results indicate that the maximum noise levels during day and night times, have been measured as 52 dB(A) and 39.0 dB(A), respectively, against the prescribed standards of 55 and 45 dB(A). The analysis report of groundwater has also been submitted.
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	Submitted
15.	Construction schedule (PERT/CPM Chart)	Submitted.
16.	Undertaking(s) for ; a) Constitution of Environment Monitoring Cell b) Use of ready mix concrete or use of fly ash during construction.	Submitted.

	<ul style="list-style-type: none"> <li>c) To provide Fire Fighting System</li> <li>d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase.</li> <li>e) To provide adequate safety measures for the construction workers during the construction phase.</li> </ul>	
17.	<p>Environmental Management Plan indicating the following:</p> <ul style="list-style-type: none"> <li>a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project.</li> <li>b) Compliance of various environmental regulations</li> <li>c) Steps to be taken in case of emergency such as accidents at the site including fire.</li> <li>d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.</li> <li>e) Capital &amp; recurring cost for the EMP per year and the details of funds for the same.</li> <li>f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period</li> </ul>	<ul style="list-style-type: none"> <li>(a) Submitted</li> <li>(b) Submitted</li> <li>(c) Submitted</li> <li>(d) General Manager projects will be responsible for implementation of EMP.</li> <li>(e) During construction phase, 24.5 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 9.5 lacs/annum will be incurred on account of recurring charges. During operation phase, Rs. 119 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 10.5 Lacs/annum lacs will be incurred on account of recurring charges.</li> <li>(f) The association of Residents or GMADA whosoever takes over the project will be responsible</li> </ul>

	for which the project proponent is responsible.	for implementation of EMP.
18.	Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.	Director of the Company will be responsible for implementation of CSR activities. Rs.5.00 lacs will be utilized for following activities under Corporate Social Responsibility : (i) Toilets for girls in nearby Schools. (ii) Environment awareness camps in 10 km area of the project. (iii) Widening of the road in the vicinity of the project. (iv) Preference in the job to nearby area people. (v) All the activities will be carried out with the consultation of Village Panchayat.
19.	Traffic Circulation System and connectivity with a view to ensuring adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted
20.	Disaster/Risk Assessment and Management Plan	Submitted
21.	A copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project	Submitted

Thereafter, Regional Office, Punjab Pollution Control Board, Mohali vide e-mail dated 25.02.2016 was requested to visit the project site and submit report regarding latest construction status.

Now, Environmental Engineer, Regional office, Mohali vide letter no. 1809 dated 10.03.2016 has intimated that the site was visited by AEE of his office on 10.03.2016 and Sh. Arvinder Singh Chauhan, representative of the promoter company was contacted. During visit, it was observed that boundary wall is only constructed on the left hand side of the entrance and other sites of the projects are demarcated by installing flags. It is further intimated that two nos. rooms have been constructed on the site and the representative of the company informed that same

are meant for security persons. Besides, one no. tubewell room has been installed at the site and the representative of the promoter company informed that the same was installed by the owner of the land, prior to the purchase the same by the promoter company. However, no other construction has been started at site.

The case was considered by the SEAC in its 142<sup>nd</sup> meeting held on 11.03.2016, which was attended by Sh. Arvinderjit Singh, Senior Manager of the promoter company on behalf of the promoter company.

The SEAC observed that as per the report of the Regional Office, Mohali, the promoter company has started the construction activities at the project site. In reply to this observation, project proponent contended that no construction activity has been carried out at the project site and the rooms as reported by Punjab Pollution Control Board, are temporary structures for security personnels only.

After detailed deliberations, SEAC decided that a team of two SEAC members namely Prof. P Thareja and Dr. V K Singhal be sent for verification of the following:

1. Whether any construction has been carried out by the project proponent at project site as per definition of EIA notification?
2. Whether, any construction activities are going-on at the project site?

After discussion, SEAC decided to defer the case till the verification report from the SEAC members is received.

A team of Prof. P Thareja & Dr. V.K Singhal (SEAC members) have been constituted and requested vide mail dated 17/03/2016 to visit the project site to verify the compliance of above said points.

The project site was visited by Prof. P Thareja & Dr. V.K Singhal, Member (SEAC) on 23.03.2016, and it was observed that the two temporary structures with brick wall & steel roof (fabric covered) have been adored for security people, each of size 12' x 12' max. Beyond this no construction is ongoing/carried out. The photographs of the project site received vide email dated 23.03.2016 is attached as **Annexure-E**.

The case is placed before SEAC for consideration please.

**Item No. 144.10 : Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely “Royale Mansions Luxury Apartments” in the revenue estate of Village- Peer Mushalla, Near Zirakpur, Distt. SAS Nagar, Mohali by M/s. Royale Mansions.  
(Proposal no. SIA/PB/NCP/42563/2016)**

The facts of the case are as under:

M/s. Royale Mansions has applied for environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely “Royale Mansions Luxury Apartments” in the revenue estate of Village- Peer Mushalla, Near Zirakpur, Distt. SAS Nagar, Mohali. The project is covered under category 8 (a) of the Schedule appended to the said notification.

Earlier, the project proponent was granted Environmental Clearance vide letter no. 47502 dated 30.10.2013 for establishment of a group housing project namely “Royale Mansions Luxury Apartments” having total built up area of having built up area of 27419.418 sqm in the total plot area of 17158.686 sqm in the revenue estate of Village Peer Mushalla, near Zirakpur, Distt. S.A.S. Nagar, subject to the certain conditions.

The details of the expansion project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 17,167.204 sqm (4.24 acres). The total built up area has been increased from 27,419.418 sqm (201 flats in 6 blocks (i.e. 138-4BHK, 38-3BHK, 25 EWS flats) and 3 shops) to 36,674.208 sqm (258 flats & 9 shops). Thus, the total additional built up area of the Group Housing Project is 9,254.79 sqm (57 flats. + 6 shops). The total project cost after addition is Rs. 29.72 Crores.
- After expansion, the total water requirement for the project will be 175 KL/day, out of which 117 KL/day will be met through own tubewells and remaining 58 KL/day will be met through recycling of treated wastewater.
- After expansion, the total wastewater generation from the project will be 140 KL/day, which will be treated in a STP of capacity 150 KLD based on SAFF Technology to be installed within the project premises. The project proponent has proposed to use 13 KL/day will be used for irrigation of green area (2,341.15 sqm) and remaining waste water will be discharged into M.C. sewer in summer season. In winter season, 04 KL/day will be used for irrigation of green area and remaining waste water will be discharged into M.C. sewer. In rainy season 01 KLD for irrigation of green area and remaining waste water will be discharged into M.C. sewer. The project proponent has also submitted that dual plumbing system has not been provided. However, treated water from STP is being used for irrigation purposes.
- After expansion, the total quantity of solid waste generation after expansion will be 520 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The biodegradable waste would be sent to the approved site. The non-biodegradable and the recyclable waste will be sold to the recyclers. The Biodegradable waste is composted by use of Mechanical composter.



- After expansion, the total load of electricity required for group housing after expansion will be 1500 KW which will be taken from the PSPCL. There is a proposal to install silent DG sets 1 x 250 KVA & 2 x 125 KVA as stand-by arrangement.
- The project proponent has proposed to provide 14 Nos. rain water harvesting pits to recharge the ground water.
- Used oil to be generated from the DG sets will be sold to authorized recyclers.

The details of the documents submitted with the application are as

under:

1.	Properly filled Form 1 & 1A	Yes
2.	<p>(a) <b>In case(s) where land has already been purchased/acquired:</b> Proof of ownership of land</p> <p>(b) <b>In case where land is yet to be purchased/acquired:</b> Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)</p>	Submitted, Copy of land documents including Jamabandi
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	Submitted, Master Plan showing project site. The project site falls under residential zone as per the Master Plan of Zirakpur, hence, CLU for the same is not required.
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Submitted.
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted. Google Earth Image showing project site & surroundings within 500 meter.

8.	<p>Site plan of the project showing the following</p> <ul style="list-style-type: none"> <li>i) Location of STP ;</li> <li>ii) Solid waste storage area.</li> <li>iii) Green belt</li> <li>iv) Parking space</li> <li>v) RWH and water recharge pits</li> <li>vi) Firefighting equipment layout</li> <li>vii) First aid room</li> <li>viii) Location of Tube wells</li> <li>ix) DG Sets and Transformers</li> </ul>	<ul style="list-style-type: none"> <li>i. Marked</li> <li>ii. Marked</li> <li>iii. Marked</li> <li>iv. Marked</li> <li>v. Marked</li> <li>vi. Marked</li> <li>vii. Marked</li> <li>viii. Marked</li> <li>ix. Marked</li> </ul>
9.	<p>Permission of Competent Authority for;</p> <p><b>a) Water and Sewerage connection</b></p> <p>A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan.</p> <p><b>b) Collection of Solid waste</b></p>	<p>a) Submitted copy of letter issued by M.C. Zirakpur vide letter no. 808 dated 04.06.2013 to the project proponent wherein, it has been mentioned that the Council has no objection for giving sewerage connection for discharging there treated wastewater after deposition of requisite charges.</p> <p>b) Submitted, the M.C. Zirakpur vide letter no. 2941 dated 29.08.2011 has issued a certificate to the project proponent to the effect that the solid waste to be generated from the project, will be taken care by MC, Zirakpur.</p>
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of land for use of treated sewage and plantation.	Submitted, Green area marked on the layout plan. However, excess treated sewerage water will be discharge into MC Sewer.
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories.	Submitted
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	Submitted, site plan showing sewer line & treated water used

		for horticulture.
15.	Construction schedule (PERT/CPM Chart)	Submitted.
16.	Undertaking(s) for ; a) Constitution of Environment Monitoring Cell b) Use of ready mix concrete or use of fly ash during construction. c) To provide Fire Fighting System d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase. e) To provide adequate safety measures for the construction workers during the construction phase.	Submitted.
17.	Environmental Management Plan indicating the following: a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project. b) Compliance of various environmental regulations c) Steps to be taken in case of emergency such as accidents at the site including fire. d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.  e) Capital & recurring cost for the EMP per year and the details of funds for the same.	a) Submitted  b) Submitted  c) Submitted  d) Sh. Surinder Bansal (Partner) of Royale Mansions is responsible for implementation of EMP for 5 years and after that the welfare society of the project will be responsible for the same.  e) Rs. 76.0 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 11 lacs/annum will be incurred on account of recurring

	f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.	charges for implementation of EMP.  f) The association of Residents or MC whosoever takes over the project will be responsible for implementation of EMP.
18.	Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.	Sh. Surinder Bansal (Partner) of Royale Mansions is responsible for implementation of the CSR. Rs. 27.0 lacs will be utilized for following activities under Corporate Social Responsibility : i. Rs. 4.0 lacs will be spent to Organize Health camps i.e. eye check up and dental check up camps. ii. Rs. 6.0 lacs will be spent for providing scholarships to class X and XII students for higher education. iii. Rs. 7.0 lac will be spent to provide solar lights on the Village Rasta, helping Village Panchayat in community development programmes iv. Rs. 10.0 lac will be spent to Provide infrastructure i.e. X-ray machine and ambulance etc.
19.	Traffic Circulation System and connectivity with a view to ensuring adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted
20.	Disaster/Risk Assessment and Management Plan	Submitted

21.	A copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project	Submitted
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A team of Prof. P Thareja & Dr. V.K Singhal (SEAC members) have been constituted and requested vide mail dated 17/03/2016 to visit the project site to verify the compliance of existing project & construction status with regard to expansion component of the project.

The project site was visited by Prof. P Thareja & Dr. V.K Singhal, Member (SEAC) on 23.03.2016 and the visit report received vide email dated 29.03.2016, is attached as **Annexure-F**.

The case is placed before SEAC for consideration please.

**Item No. 144.11: Application for environmental clearance granted under EIA notification dated 14.09.2006 for the construction of group housing project namely "Ambika City" in the revenue estate of Village Dhodhe Majra, New Chandigarh, Distt. SAS Nagar (Mohali), Punjab by M/s. Ambika Realcon Private Limited. (Proposal no. SIA/PB/NCP/51872/2016)**

The facts of the case are as under:

M/s. Ambika Realcon Private Limited has applied for environmental clearance under EIA notification dated 14.09.2006 for the construction of group housing project namely "Ambika City" in the revenue estate of Village Dhodhe Majra, New Chandigarh, Distt. SAS Nagar. The project is covered under category 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 42,334.161 sq.m. (or 10.46 acres) and the total built up area of the Group Housing Project is 1,46,613.16 sq.m.. The Project (comprising of residential and commercial) is in the approved Master Plan of New Chandigarh (Mullanpur) and it falls in Mixed Land Use Zone. Residential project has been planned to be developed initially while, commercial part will be developed in future phase for which Environmental Clearance will be obtained later on. The residential part of project consists of 8 Residential Towers and one Community Building.
- The project proponent submitted the change of land use issued by Deptt. of Town & Country Planning, Punjab vide Memo no. 96-CTP(PB)SP-432(m) dated 07.01.2016. The total cost of project is Rs. 210.13 Crores.
- The total design population of the project is 4527 persons [residential will be 4465 and community building will be 62]. The total water requirement for the project will be 896 KL/day, out of which 695 KL/day will be met through GMADA & borewells and remaining 201 KL/day will be met through recycling of treated wastewater.
- The total wastewater generation from the project will be 717 KL/day, which will be treated in a STP of capacity 800 KLD to be installed within the project premises. The project proponent has proposed to utilize 201 KL/day of treated wastewater for flushing purpose, 60 KL/day will be utilized for horticulture purposes (10885.50 sqm) and remaining 442 KL/day will be discharged into GMADA sewer. In winter season, 201 KL/day of treated wastewater for flushing purpose, 20 KL/day will be utilized for horticulture purposes (10885.50 sqm) and remaining 482 KL/day will be discharged into GMADA sewer. In rainy season, 201 KL/day of treated wastewater for flushing

purpose, 6 KL/day will be utilized for horticulture purposes (10885.50 sqm) and remaining 496 KL/day will be discharged into GMADA sewer.

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

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	<p>(a) In case(s) where land has already been purchased/acquired:</p> <p>Proof of ownership of land</p> <p>(b) In case where land is yet to be purchased/acquired:</p> <p>Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)</p>	Submitted
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	Submitted
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the	Conceptual plan of the project

	project.	submitted.
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted.
8.	Site plan of the project showing the following i) Location of STP ; ii) Solid waste storage area. iii) Green belt iv) Parking space v) RWH and water recharge pits vi) Firefighting equipment layout vii) First aid room viii) Location of Tube wells ix) DG Sets and Transformers	i. Not Submitted ii. Marked iii. Marked iv. Marked v. Marked vi. Marked vii. Marked viii. Marked ix. Marked
9.	Permission of Competent Authority for;  <b>a) Water and Sewerage connection</b> A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan.	The project proponent submitted a letter no. 365 dated 27.01.2016 issued by GMADA to the effect that GMADA has not laid the outfall sewer on the peripheral roads around the project and requested to make its own arrangements for treatment & disposal of sewage generated from project till the time the requisite infrastructure is provided by GMADA. However, it has been clarified that while designing the proposal for laying water supply, outfall sewer line of project, load calculation for same has been dully accounted for.



	b) <b>Collection of Solid waste</b>	b) The project proponent submitted a letter no. 365 dated 27.01.2016 issued by GMADA to the effect that as far as, solid waste management of project is concerned, it is intimated that project falls under the Master Plan Grid of Mullanpur, the prospective Solid Waste load of project has also been accounted for, while deciding the capacity of the facility. However, till the time such infrastructure is provided by the Govt., Project Proponent will have to make its own arrangement for water supply & solid waste management of the project.
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of land for use of treated sewage and plantation.	The project proponent submitted that the treated waste water will be discharged into GMADA sewer. However, 10885.50 sqm area is available for horticulture purposes to utilize the treated waste water.
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories.	Submitted
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water.	Submitted
15.	Construction schedule (PERT/CPM Chart)	Submitted.
16.	Undertaking(s) for ;  a) Constitution of Environment Monitoring Cell  b) Use of ready mix concrete or use of fly ash during construction.  c) To provide Fire Fighting System	Submitted.

	<p>d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase.</p> <p>e) To provide adequate safety measures for the construction workers during the construction phase.</p>	
17.	<p>Environmental Management Plan indicating the following:</p> <p>a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project.</p> <p>b) Compliance of various environmental regulations</p> <p>c) Steps to be taken in case of emergency such as accidents at the site including fire.</p> <p>d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.</p> <p>e) Capital &amp; recurring cost for the EMP per year and the details of funds for the same.</p> <p>f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.</p>	<p>(a) Submitted</p> <p>(b) Submitted</p> <p>(c) Submitted</p> <p>(d) Mr. Diwaker Bansal of M/s Ambika Realcon Pvt. Ltd. will be responsible for implementation of EMP.</p> <p>(e) Rs. 81 lac will be incurred for implementation of EMP on account of capital cost and Rs.10.7 lacs/annum will be incurred on account of recurring charges.</p> <p>(f) The welfare society of "Ambika City" along with Environment Management Cell will be responsible for implementation of EMP after the lapse of the period.</p>
18.	Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the	Mr. Diwaker Bansal of M/s Ambika Realcon Pvt. Ltd will be responsible for implementation of CSR

	<p>same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.</p>	<p>activities. Rs.1.2 crore will be utilized for following activities under Corporate Social Responsibility :</p> <p><b>EDUCATION (Rs. 25 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• Adoption of schools for their better regulation and expansion of facilities.</li> <li>• Programmes for primary education, especially for girl children in and around the area.</li> </ul> <p><b>HEALTH (Rs. 25 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• Medical facilities, ambulance, periodical health check-up and vaccination for construction labour during construction period</li> <li>• Dispensary in nearby Village Rasulpur.</li> <li>• Organizing Health camps in villages like Salampur, Rasulpur, Dhodhe Majra, etc. adjoining the project site.</li> </ul> <p><b>TREE PLANTATION (Rs. 20 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• Tree Plantation in nearby surroundings areas.</li> </ul> <p><b>SOCIAL AWARENESS PROGRAMMES (Rs. 15 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• On issues like saving and well-upbringing of girl child.</li> <li>• Promoting tree plantations, rain water harvesting, solar street lighting system in and around the area, etc.</li> </ul> <p><b>IMPROVEMENT OF EXISTING VILLAGE ROAD (Rs. 35 Lakhs)</b></p>
19.	Traffic Circulation System and connectivity with a view to ensuring adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted

20.	Disaster/Risk Assessment and Management Plan	Submitted
21.	A copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project	Submitted

Thereafter, Regional Office, Punjab Pollution Control Board, Mohali vide e-mail dated 22.03.2016 was requested to visit the project site and submit report regarding latest construction status.

Now, Environmental Engineer, Regional office, Mohali vide email dated 11.04.2016 has intimated that the site of the project was visited by the AEE of his office on 11.04.2016 and it was observed as under:

1. The site of the promoter company is located in the revenue estate of village DhodheMajra, Tehsil Kharar, Distt. SAS Nagar. The promoter company has demarcated the project site with pillars. No construction/ development activity has yet been started at the project site.
2. The site of the project is surrounded by the land of "Omaxe Chandigarh Extension" on two sides and third side is surrounded by agricultural land of village Dhodhemajra and the fourth side is abutting to link road.

The case is placed before SEAC for consideration .

**Item No. 144.12: Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "ATS Golf Meadows Lifestyle" in the revenue estate of Village- Madhopur, Tehsil Derabasi, Distt. SAS Nagar by M/s. ATS Estates Pvt. Ltd.**

**(Proposal no. SIA/PB/NCP/5243/2015)**

The facts of the case are as under:

M/s. ATS Estates Pvt. Ltd. has applied for environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely "ATS Golf Meadows Lifestyle" in the revenue estate of Village Madhopur, Tehsil Derabasi, Distt. SAS Nagar. The project is covered under category 8 (b) of the Schedule appended to the said notification.

Earlier, the project proponent was granted Environmental Clearance vide letter no.2967 dated 11.07.2012 for construction of Group Housing Project namely 'ATS Golf Meadow Lifestyle-1' in an area of 1,05,911.08 sqm {for construction of six towers (ground + eighteen storeys) each, one tower (ground + thirteen storeys), seven towers (ground + one storey) each and EWS (ground + one storey) having built up area of 1,48,898.53 sqm}, in the revenue estate of Village Madhopur, Tehsil Dera Bassi, District SAS Nagar, subject to the certain conditions. The details of the expansion project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 1,11,921.03 sqm (27.68 acres). The total built up area has been increased from 1,48,898.53 sqm (568 residential dwelling units + 60 EWS dwelling units) to 3,01,540.288 sqm (1440 residential dwelling units + 144 EWS dwelling units). Thus, the total additional built up area of the Group Housing Project is 1,52,641.758 sqm (872 residential dwelling units + 84 EWS dwelling units). The total project cost after addition is Rs. 307.21 Crores. The total population of the project will be 7,988 persons.
- After expansion, the total water requirement for the project will be 1072 KL/day, out of which 795 KL/day will be met through own tubewells and remaining 270 KL/day will be met through recycling of treated wastewater.
- After expansion, the total wastewater generation from the project will be 858 KL/day, which will be treated in a centralized STP of Municipal Council, Derabasi. In summer season, the project proponent has proposed to utilize 277 KL/day of treated wastewater for flushing purpose, 226 KL/day will be used for horticulture purposes (41,057.34 sqm) and remaining waste water will be discharged into M.C. sewer. In winter season, 277 KL/day of treated wastewater for flushing purpose, 74 KL/day will be used for horticulture

purposes and remaining waste water will be discharged into M.C. sewer. In rainy season, 277 KL/day of treated wastewater for flushing purpose and 21 KLD for horticulture purposes and remaining waste water will be discharged into M.C. sewer.

- After expansion, the total quantity of solid waste generation will be 3182 kg/day. A separate area is earmarked for the segregation of solid waste. The biodegradable waste will be converted into manure using mechanical composter. The inert waste will be dumped to the approved site. The recyclable waste will be sold to the recyclers.
- After expansion, the total load of electricity required for group housing after expansion will be 3900 KVA which will be taken from the PSPCL. There is a proposal to install silent DG sets 2 x 1010 KVA & 1 x 750 KVA (additionally proposed) and 2 x 400 KVA, 2 x 250 KVA & 2 x 125 KVA (already proposed) as stand-by arrangement.
- After expansion, the project proponent has proposed to provide 28 Nos. (additional 10 nos.) rain water harvesting pits to recharge the ground water.
- Used oil to be generated from the DG sets will be sold to authorized recyclers.

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & pre-feasibility report	Yes
2.	Proof of ownership of land	Submitted (copy of the Jamabandi, Land registry)
3.	CLU status	Submitted
4.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Not submitted
5.	Additional Documents: i. Earlier Environmental Clearance letter ii. Proposed TOR iii. MoU with Municipal Council, Derabassi iv. Sewerage & Solid waste permission from Municipal Council, Derabassi. v. Approved Layout Plan vi. Satisfactory Report from MoEF vii. Memorandum of Articles of Association. viii. Rain water harvesting calculations. ix. PERT Chart. x. CA Certificate	Submitted

A team of Prof. P Thareja & Dr. V.K Singhal (SEAC members) have been constituted and requested vide mail dated 22/03/2016 to visit the project site to verify the compliance of conditions of earlier granted Environmental Clearance

and latest construction status at site with specific clarification as to whether any construction activity related to expansion component of the project has been started at site or not.

The project site was visited by Prof. P Thareja & Dr. V.K Singhal, Member (SEAC) on 23.03.2016 and the visit report received vide email dated 29.03.2016, is attached as **Annexure-G**.

The case is placed before SEAC for consideration please.

**Item No.144.13: Application for environmental clearance under EIA notification dated 14.09.2006 for expansion of a residential complex namely "Sandwoods Opulencia" in the revenue estate of Village Bhago Majra, Landran-Banur Road, Sector-110, Distt. S.A.S. Nagar by M/s Sandwoods Infratech Projects Pvt. Ltd. (Proposal no. SIA/PB/NCP/42238/2016)**

The facts of the case are as under:

M/s Sandwoods Infratech Projects Pvt. Ltd. has applied for environmental clearance under EIA notification dated 14.09.2006 for the expansion of residential complex namely "Sandwoods Opulencia" in the revenue estate of Village Bhago Majra, Landran-Banur Road, Sector-110, Distt. S.A.S. Nagar. The project is covered under category 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 26102 sqm.( 6.45 Acre) The total built up area has been increased from 67490 sqm (224+23EWS) to 72892.6 sqm (442+44EWS) Thus, the total additional built up area of the Group Housing Project is 5402.6 sqm (218+21EWS). The total cost of the project is about Rs. 96 crores.
- After expansion, the total water requirement for the project will be 254 KL/day excluding flushing water, which will be met through own tube wells. Flushing water requirement of quantity 82 KL/day will be met through recycling of treated wastewater.
- After expansion, the total wastewater generation from the project will be 285 KL/day, which will be treated in a STP of capacity 300 KLD to be installed within the project premises. The project proponent has proposed to use 82 KL/day of treated wastewater for flushing purpose, 39 KL/day will be used for irrigation of green area (6768 sqm) and remaining 158 KL/day will be discharged into M.C. sewer in summer season. In winter season, 82 KL/day of treated wastewater will be used for flushing purpose, 13 KL/day will be used for irrigation of green area and remaining 184 KL/day will be discharged into M.C. sewer. In rainy season, 82 KL/day of treated wastewater will be used for flushing purpose, 04 KLD will be used for irrigation of green area and remaining 193 KL/day will be discharged into M.C. sewer.



- After expansion, the total quantity of solid waste generation will be 1180 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The biodegradable waste of quantity 700 Kg would be treated through vermiculture or sent to the approved site of M.C. Mohali as per provisions of the municipal solid wastes (management and handling) rules, 2000. The non-biodegradable and the recyclable waste will be sold to the recyclers.
  - After expansion, the total load of electricity required for project will be 2500 KW which will be taken from the PSPCL. There is a proposal to install silent DG sets 4 x 500 KVA as stand-by arrangement.
  - The e-waste generated will be stored in an isolated room and will be sold to the manufacturers as per the E-Waste Rule 2011.
  - 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
- The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	Proof of ownership of land	Submitted.
3.	CLU status	The project proponent has submitted a copy of letter no. 4512 dated 23.12.2011 issued by the Department of Town & Country Planning vide which permission for CLU has been granted for the land area measuring as 6.45 acres.
4.	Approved Layout plan and Building plan from Competent Authority.	Layout plan approved by the CTP Punjab has been submitted.
5.	Topographical map of the area showing Contour Plan.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted.
7.	500 meter radius map of the area from periphery of project site clearly indicating the various	Submitted.

	industries (specifically red category industries) and structures lying in the area.	
8.	<p>Site plan of the project showing the following</p> <ul style="list-style-type: none"> <li>i) Location of STP ;</li> <li>ii) Solid waste storage area.</li> <li>iii) Green belt</li> <li>iv) Parking space</li> <li>v) RWH and water recharge pits</li> <li>vi) Fire fighting equipment layout</li> <li>vii) First aid room</li> <li>viii) Location of Tubewells</li> </ul>	<ul style="list-style-type: none"> <li>i) Marked</li> <li>ii) Marked</li> <li>iii) Marked</li> <li>iv) Marked.</li> <li>v) Marked.</li> <li>vi) Marked</li> <li>vii) Marked</li> <li>viii) Marked</li> </ul>
9.	<p>Permission of Competent Authority for;</p> <ul style="list-style-type: none"> <li>a) Water and Sewerage connection</li> <li>b) Collection of Solid waste</li> <li>c) Use of Ground Water</li> </ul>	<p>a) Not submitted.</p> <p>b) Not submitted.</p> <p>c) Not submitted.</p>
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted.
11.	Availability of adequate land for use of treated sewage and plantation.	Submitted, agreement for 3 acre land has been made with Sh. Mangta Singh S/o Sh. Chanan Singh on dated 01.03.2015 to utilize the treated waste water from STP for agricultural purposes.
12.	Analysis reports of ambient air, ground water and noise levels from NABL /MoEF accredited laboratories.	Submitted.
13.	Quantification of energy saved and renewable energy devices used and permission of PSPCL for power	Submitted.

	connection.	
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	Submitted.
15.	Construction schedule (PERT/CPM Chart)	Submitted
16.	<p>Affidavits for ;</p> <ul style="list-style-type: none"> <li>a. Constitution of Environment Monitoring Cell</li> <li>b. Use of ready mix concrete or use of fly ash during construction.</li> <li>c. To provide Fire Fighting System</li> <li>d. To provide wind breaking curtains and water sprinkling system to minimize dust emissions.</li> <li>e. To provide adequate safety measures for the construction workers during the construction phase.</li> </ul>	Submitted
17	<p>Environmental Management Plan indicating the following:</p> <ul style="list-style-type: none"> <li>a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project.</li> <li>b) Compliance of various environmental regulations</li> <li>c) Steps to be taken in case of emergency such as accidents at the site including fire.</li> <li>d) For how long period the</li> </ul>	<p>(a) Submitted</p> <p>(b) Submitted</p> <p>(c) Submitted</p> <p>(d) Sh. S.K. Bagoolia, Director of the Company will be</p>

	<p>project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.</p> <p>e) Capital &amp; recurring cost for the EMP per year and the details of funds for the same.</p> <p>f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.</p>	<p>responsible for implementation of Environment Management Plan during the construction phase and after that M.C. or Resident Welfare Association will be responsible for the same.</p> <p>(e) Rs. 8 lacs will be incurred for implementation of EMP and Rs.2 lacs/annum will be incurred on account of recurring charges during the construction phase. Rs.65 Lacs will be incurred as capital cost and Rs. 6 lacs as recurring charges during operation phase.</p> <p>(f) Sh. S.K. Bagoolia, Managing Director of the Company will be responsible for implementation of Environment Management Plan during the construction phase and after that M.C. or Resident Welfare Association will be responsible for the same.</p>
19	<p>Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.</p>	<p>Rs.50 Lacs will be utilized for following activities under Corporate Social Responsibility.</p> <p>(i) Provide coolers &amp; water filters in the school.</p> <p>(ii) Provide bathrooms for children in school.</p> <p>(iii) Distribute uniform, books &amp; bags to students in the school specially from weaker section.</p> <p>(iv) Provide free medicine to economical poor people.</p>

20.	Any other information.	The project proponent submitted that the bird sanctuary sector 21 Chandigarh does not fall within 10 km radius of project site. The exact distance of bird sanctuary from project site is 12.5 Km.
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Er. Malvinder Singh and Dr. V.K Singhal (SEAC members) have been requested vide mail dated 18/03/2016 to visit the project site to verify the compliance of existing project & construction status with regard to expansion component of the project.

Er. Malvinder Singh, Member SEAC, vide email dated 19.03.2016 informed that the project site was visited on 19.03.2016 by him along with Dr. V.K Singhal, Member (SEAC) and visit reports will be placed in the forthcoming meeting of the SEAC for presentation.

The case was placed in the agenda of the 143<sup>rd</sup> meeting of SEAC held on 30.03.2016, but no one from the project proponent attended the said meeting. However, project proponent submitted through email dated 29.03.2016 that he will not able to attend the meeting and requested to postpone the case on next meeting.

After deliberation, the SEAC decided to defer the case in light of Office Memorandum dated 25.02.2010 of MoEF, Govt. of India and ask the project proponent to attend the next meeting as and when called for.

Now, Er. Malvinder Singh, Member SEAC, vide email dated 28.03.2016 submitted the visit report, which is attached as **Annexure-H**.

The case is again placed before the SEAC for consideration.

**Item No.144.14:Application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for area development project namely “The Palms” in revenue estate of Village Mullanpur Garibdas, Dhanauran & Mastgarh, Distt. SAS Nagar by M/s Manohar Infrastructure Construction Pvt Ltd. (Proposal no. SIA/PB/NCP/3715/2015)**

The facts of the case are as under:

M/s Manohar Infrastructure Construction Pvt Ltd.. has applied for obtaining the Environmental Clearance under EIA notification dated 14.09.2006 for area development project namely “The Palms” in revenue estate of Village Mullanpur Garibdas, Dhanauran & Mastgarh Distt. SAS Nagar. The project is covered under category 8 (b) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 5,32,363.96 sq mtr (131.55 acres) consisting of residential area of 2,01,209.7 sqm, EWS area of 27,680.497 sqm, commercial area of 8,255.587 sqm, public building of 29,096.89 sqm, , green area of 31,160.794 sqm, parking area of 8,255.58 sqm and other miscellaneous areas of 1,37,795.46 sqm.
- The total water requirement for the project will be 2392 KL/day, out of which 1765 KL/day will be met through tubewell and remaining 627 KL/day will be met through recycling of treated wastewater.
- The total wastewater generation from the project will be 1914 KL/day, which will be treated in a STP to be installed within the project premises. The project proponent has proposed to use 627 KL/day of treated wastewater for flushing purpose, 171 KL/day will be used for irrigation of green area and 1078 KL/day of remaining treated wastewater will be disposed in GMADA sewer in summer season. In winter season, 627 KL/day of treated wastewater for flushing purpose, 56 KL/day will be used for irrigation of green area and 1193 KL/day of remaining treated wastewater will be disposed in GMADA sewer. In rainy season, 627 KL/day of treated wastewater for flushing purpose, 15 KL/day will be used for irrigation of green area and 1234 KL/day of remaining treated wastewater will be disposed n GMADA sewer.
- The total load of electricity required for group housing will be 5000 KW which will be taken from the PSPCL. There is a proposal to install DG sets for stand-by arrangement.

- 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 as per the provisions of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.
- The project proponent has submitted the "Terms of Reference".

The other details of the project have been given in the Form 1 & 1-A submitted by the promoter and the details of the proposed project are as under:

1.	Properly filled Form 1 & pre-feasibility report	Yes
2.	Proof of ownership of land	Not Submitted
3.	CLU status	Submitted copy of CLU issued by Deptt. of Town & Country Planning, Govt. of Punjab vide letter no. 1142 dated 25.03.2015 and letter no. 1151 dated 25.03.2015.
4.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted.

The case was considered by the SEAC in its 139<sup>th</sup> meeting held on 05.01.2016, which was attended by the following on behalf of the project proponent:

- i) Sh. Surinder Talwar, Manager of the Promoter Company.
- ii) Sh. Sandeep Garg of M/s Eco Laboratories & consultant Pvt. Ltd., Mohali, Environmental Consultant of the promoter company.

Sh. Sandeep Garg of M/s Eco Laboratories & consultant Pvt. Ltd., Mohali, Environmental Consultant of the promoter company requested for allowing them to use the baseline data the EIA study of Medicity Phase-I & II", Mullanpur, New Chandigarh as their project is in the close proximity of the said project. In response to the request of the Project Proponent, the SEAC asked the Project Proponent to give details of the baseline data to be used.

After deliberation, the SEAC observed that the project proponent is also required to submit the following documents/information:

- i. Details of the baseline data of Medicity Phase-I & II", Mullanpur, New Chandigarh to be used.

- ii. Forest land is involved for approach from National Highway-21 to the project premises for which prior permission under Forest (Conservation) Act, 1980 is required, therefore, the project proponent is required to apply to the Forest Department for obtaining the said permission and is also required to submit an acknowledgement along-with a copy of the application in this regard to the SEAC before allowing him to present its project proposal.
- iii. The SEAC further observed that part of the project also falls in Village Mulanpur Garibdass, which has been notified under Punjab Land Preservation Act. As such, project proponent is required to submit NOC from the concerned DFO.

After detailed deliberations the SEAC decided as under:

1. To defer the case till the project proponent submits the above mentioned information/documents.
2. Regional office, Punjab Pollution Control Board, Mohali be asked to send the detail report regarding the construction status, built up area and NOC/consent status under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 of the project, within 15 days.

Accordingly, the project proponent vide letter no. 432 dated 18.01.2016 was asked to submit the above mentioned information/documents. Further, Environmental Engineer, Regional office, Punjab Pollution Control Board, Mohali vide letter no. 433 dated 18.01.2016 was also asked to send the detailed report regarding the construction status, built up area and NOC/consent status under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 of the project.

The project proponent has not yet submitted the reply of the aforesaid observations. However, the Environmental Engineer, Regional office, Punjab Pollution Control Board, Mohali has informed that the promoter company namely M/s Manohar Infrastructure & Construction Private Limited was granted NOC('Consent to establish') by the Board on 30.11.2015 for development of a residential township in the revenue estate of Village Dhanauran and Mastgarh (New Chandigarh), Tehsil Kharar, Distt.SAS Nagar in an area of 118.02 acres. Further, as the project is a plotted accommodation, as such, built-up area of the project could not be determined.



The site of the project was visited by AEE of his office on 01.02.2015 and it was observed that the promoter company has started the development work of the internal roads at the project. No construction activity has yet been started at the site.

The case was placed in the agenda of the 141<sup>th</sup> meeting of SEAC held on 27.02.2016, which was attended by Sh. Sandeep Garg of M/s Eco Laboratories & consultant Pvt. Ltd., Mohali, Environmental Consultant of the promoter company on behalf of the project proponent.

He submitted a letter dated 26.02.2016 wherein it is mentioned that project proponent will not be able to attend the meeting due to unavoidable circumstances and requested to give the next date of hearing.

After deliberation, the SEAC decided to defer the case in light of Office Memorandum dated 25.02.2010 of MoEF, Govt. of India and ask the project proponent to attend the next meeting as and when called for.

The project proponent vide its letter dated 08.03.2016 informed that the Project "The Palms" was given change of land Use for 112.04 acres by Chief Town Planner, Punjab vide Memo No. 1151CTP(Pb)/SP432(M) and for 19.51 acres vide Memo No.1142CTP(Pb)/SP-432(M) dated 25.03.2015. The project proponent is presently developing only 118.04 acres as per the approved layout plan & NOC from Punjab Pollution Control Board (PPCB), which is less than 50 Ha . Thus, the project does not required environmental clearance. Further, project proponent requested to grant the permission to withdrawal the application.

The case was considered by the SEAC in its 142<sup>nd</sup> meeting held on 11.03.2016, which was attended by Sh. Sandeep Garag, Environmental Consultant of the promoter company

The SEAC observed that as per the report of the PPCB, the promoter company has started the development work of the internal roads at the project. In reply to this observation, project proponent contended that the road as reported by the Punjab Pollution Control Board, is not an internal road of the project but is an approach road to the area and belongs to GMADA.

After detail deliberation, SEAC decided that a team of two SEAC members namely Er. Malvinder Singh and Dr V.K Singhal be sent for verification of the following:

1. Whether the aforesaid road is an integral part of the project i.e an internal road or approach road to the area constructed on land belonging to GMADA.
2. Whether any development activity has been carried out by the project proponent?
3. Whether any development activities are going-on at the project site?

After discussion, SEAC decided to defer the case till the verification report from the SEAC members is received.

Er. Malvinder Singh and Dr. V.K Singhal (SEAC members) have been requested vide mail dated 17/03/2016 to visit the project site to verify the compliance of above noted observations. Now, they informed that the project site was visited on 23.03.2016 by them and visit report is attached as **Annexure-I**.

The case is again placed before the SEAC for consideration.

**Item No. 144.15: Application for environmental clearance granted under EIA notification dated 14.09.2006 for the construction of Commercial Project Food Court Site No. 1 & 2 at Sector-62, SAS Nagar (Mohali), Punjab by M/s. PP Buildwell Private Limited. (Proposal no. SIA/PB/NCP/52475/2016)**

The facts of the case are as under:

M/s. PP Buildwell Private Limited has applied for environmental clearance under EIA notification dated 14.09.2006 for the construction of Commercial Project Food Court Site No. 1 & 2 at Sector-62, SAS Nagar (Mohali), Punjab. The project is covered under category 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 8,322.46 sq.m. (or 2.05 acres) and the total built up area of the Project is 28,693.40 sq.m. The project contains offices, Retail, commercial food court and multiplex. Greater Mohali Area Development Authority (GMADA) has issued allotment of the Site 1 vide Memo no: 44372 dated 21.10.2015 & Site 2 vide Memo no: 44370 dated 21.10.2015. Further, the Possession of the both commercial sites (Site 1- 4622.288 sq.m and Site 2- 3700.17 sq.m) has been obtained from GMADA vide Endst No. GMADA/SDO(B)/2015/48370-74 & Endst No. GMADA/SDO(B)/2015/48365-69 dated 23.11.2015 respectively. The total cost of project is Rs. 104.62 Crores
- The commercial Project is in the approved Master Plan of S.A.S Nagar and it falls in Commercial Zone. The project proponent has also submitted the copy of Master Plan showing project site.
- The total design population of the project is 7,793 persons. The total water requirement for the project will be 340 KL/day, out of which 156 KL/day will be met through GMADA supply and remaining 184 KL/day will be met through recycling of treated wastewater(174 KLD) and Filter Backwash (10 KLD).
- The total wastewater generation from the project will be 184 KL/day, which will be treated in a STP of capacity 220 KLD to be installed at project site. In summer season, the project proponent has proposed to utilize 125 KL/day of treated wastewater for flushing purpose, 49 KL/day for HVAC cooling and remaining 6 KLD will be utilized for horticulture purposes (1050.50 sqm). In winter season, 125 KL/day of treated wastewater for flushing purpose, 02 KL/day will be utilized for horticulture purposes (1050.50 sqm) and remaining 53 KL/day will be discharged into GMADA sewer. In rainy season, 125 KL/day of treated wastewater for flushing purpose, 0.5 KL/day will be utilized for horticulture purposes (1050.50 sqm) and

remaining 54.5 KL/day will be utilized for HVAC cooling purpose.

- The total quantity of solid waste generation will be 1,559 kg/day, which will be segregated at source as biodegradable and non-biodegradable components. A separate area will be earmarked for segregation of solid waste. Biodegradable waste will be composited by using Mechanical composter. Inert waste will be dumped to authorized dumping site. The recyclable waste shall be sold to resellers.
- The total load of electricity required for group housing will be 2000 KVA which will be taken from the PSPCL. There is a proposal to install silent DG sets 2 x 1250 & 1 x 500 KVA as stand-by arrangement.
- The project proponent has also proposed to provide 3 nos. of rain water harvesting pits to recharge the rain water.
- Used oil to be generated from the DG sets will be sold to the authorized recyclers.

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	<p>(a) In case(s) where land has already been purchased/acquired:</p> <p>Proof of ownership of land</p> <p>(b) In case where land is yet to be purchased/acquired:</p> <p>Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)</p>	Submitted (Allotment letter along with Physical Possession obtained from GMADA )
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	Submitted
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Conceptual plan of the project submitted.

5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted.
8.	<p>Site plan of the project showing the following</p> <ul style="list-style-type: none"> <li>i) Location of STP ;</li> <li>ii) Solid waste storage area.</li> <li>iii) Green belt</li> <li>iv) Parking space</li> <li>v) RWH and water recharge pits</li> <li>vi) Firefighting equipment layout</li> <li>vii) First aid room</li> <li>viii) Location of Tube wells</li> <li>ix) DG Sets and Transformers</li> </ul>	<ul style="list-style-type: none"> <li>i. Marked</li> <li>ii. Marked</li> <li>iii. Marked</li> <li>iv. Marked</li> <li>v. Marked</li> <li>vi. Marked</li> <li>vii. Marked</li> <li>viii. Marked</li> <li>ix. Marked</li> </ul>
9.	<p>Permission of Competent Authority for;</p> <p><b>b) Water and Sewerage connection</b> A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan.</p>	<p>The project proponent submitted a memo no. 1229 dated 21.03.2016 issued by GMADA to the effect that GMADA has not laid the outfall sewer on the peripheral roads around the project in sector 62, Mohali, and requested to make its own arrangements for treatment &amp; disposal of sewage generated from project till the time the requisite infrastructure is provided by GMADA. However, it has been clarified that while designing the proposal for laying water supply, outfall sewer line of project, load calculation for same has been dully accounted for.</p>

	<b>b) Collection of Solid waste</b>	<p>b) The project proponent submitted a letter no. 1229 dated 21.03.2016 issued by GMADA to the effect that as far as, solid waste management of project is concerned, it is intimated that project falls under the Mohali Master Plan Grid, the prospective Solid Waste load of project has also been accounted for, while deciding the capacity of the facility in Village Samgauli, Tehsil Derabassi, Mohali. Further, GMADA has not laid the water supply network on the peripheral road around the project in Sector 62, Mohali. However, till the time such infrastructure is provided by the Govt, Project Proponent will have to make its own arrangement for water supply &amp; solid waste management of the project.</p>
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of land for use of treated sewage and plantation.	Wastewater generated from the project will be reused for flushing, irrigation & HVAC cooling. Thus, only in winter season, treated water will be left after recycling which will be discharged to GMADA sewer.
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories.	Submitted
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water.	Submitted
15.	Construction schedule (PERT/CPM Chart)	Submitted.
16.	Undertaking(s) for ;  a) Constitution of Environment Monitoring Cell	Submitted.

	<ul style="list-style-type: none"> <li>b) Use of ready mix concrete or use of fly ash during construction.</li> <li>c) To provide Fire Fighting System</li> <li>d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase.</li> <li>e) To provide adequate safety measures for the construction workers during the construction phase.</li> </ul>	
17.	<p>Environmental Management Plan indicating the following:</p> <ul style="list-style-type: none"> <li>a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project.</li> <li>b) Compliance of various environmental regulations</li> <li>c) Steps to be taken in case of emergency such as accidents at the site including fire.</li> <li>d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.</li> <li>e) Capital &amp; recurring cost for the EMP per year and the details of funds for the same.</li> <li>f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.</li> </ul>	<p>(a) Submitted</p> <p>(b) Submitted</p> <p>(c) Submitted</p> <p>(d) Mr. Kawal Kumar of M/s P.P. Buildwell Pvt. Ltd. will be responsible for implementation of EMP.</p> <p>(e) Rs. 86 lac will be incurred for implementation of EMP on account of capital cost and Rs.22.0 lacs/annum will be incurred on account of recurring charges.</p> <p>(f) The welfare society of the project will be responsible for implementation of EMP after the lapse of the period.</p>
18.	Corporate Social Responsibility indicating	Mr. Kawal Kumar of M/s P.P.

	<p>various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.</p>	<p>Buildwell Pvt. Ltd. will be responsible for implementation of CSR activities. Rs.1.0 crore will be utilized for following activities under Corporate Social Responsibility :</p> <p><b>TREE PLANTATION (Rs. 20 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• Tree Plantation in nearby surroundings areas.</li> <li>• PARK MAINTENANCE &amp; UPGRADATION OF FACILITIES (Rs. 22 Lakhs)</li> </ul> <p><b>EDUCATION (Rs. 23 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• Programmes for primary education, especially for girl children in and around the area.</li> <li>• Adoption of school for their better regulation and expansion of facilities.</li> </ul> <p><b>HEALTH (Rs. 25 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• Medical facilities, ambulance, periodical health check-up and vaccination for construction labour during onstruction period.</li> <li>• Dispensary in nearby Village.</li> </ul> <p><b>SOCIAL AWARENESS PROGRAMMES (Rs. 10 Lakhs)</b></p> <ul style="list-style-type: none"> <li>• On issues like saving and well-upbringing of girl child.</li> </ul>
19.	Traffic Circulation System and connectivity with a view to ensuring adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted
20.	Disaster/Risk Assessment and Management Plan	Submitted
21.	A copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of	Submitted



	Directors and names of other persons responsible for managing the day-to-day affairs of the project	
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Thereafter, Regional Office, Punjab Pollution Control Board, Mohali vide e-mail dated 11.04.2016 was requested to visit the project site and submit report regarding latest construction status.

Now, Environmental Engineer, Regional office, Mohali telephonically informed on 11.04.2016 that the site of the project has been visited by the AEE of his office and report is being sent.

The case is placed before SEAC for consideration.

Any other item with the approval of chair.

\*\*\*\*\*

*Min. Of Environment & Forests*



## Ajanta Chemical Industries

2-A, Sici Industrial Estate, v. & P.O. Khatkhat, Rajpura  
Distt. Patiala-140401(Punjab) Ph. 01762-229928

Date: 31.03.2016

To,  
Member Secretary  
State Level Expert Appraisal Committee, MoEF & CC,  
O/o Punjab Pollution Control Board  
Patiala, Punjab.

**Subject: - Revised Risk Assessment Document.**

Respected Sir,

Our case was considered by the SEAC in its 141st meeting held on 27.02.2016. After detailed discussion, the honorable committee asked to resubmit an amended Risk Assessment document. So, we are submitting the document as desired by the respected committee.

Thanking you.

Yours faithfully,

For AJANTA CHEMICAL IND

*Nand Singh*  
Authorized Signatory

# **IDENTIFICATION & QUANTIFICATION OF HAZARDS, RISK ASSESSMENT AND ACTION TAKEN**

## **(I) INTRODUCTION:-**

For the sustainability of any industry, it is essential to identify the Hazards and the associated risks so as to manage them to acceptable level. Recognizing the toxicity of chlorine which is the principle ingredient for chlorinated paraffin. M/s Ajanta Chemical Industries is continuously striving for controlling the risks from various hazards for the assessment of which proper risk assessment procedures have been followed. For the proposed expansion, risk analysis has been carried out to assess the associated risks. To effectively implement the safety system, a structured approach has been drawn out to minimize the hazard and the risks by involving the mechanism of reporting/investigating/analysis of accidents, dangerous occurrences and near misses. As a result, the industry remained accident free since its inception. It is pertinent to maintain that not much is known about the risks & hazards of CP's but Chlorine which is highly toxic has been duly considered in the study. However, chlorine is neither flammable nor combustible but a highly reactive material. It reacts readily with most elements, many organic and inorganic, in some cases violently and evolution of heat.

### **Manufacturing Process**

The Chlorinated Paraffin plasticizer is manufactured by an exothermic reaction of Heavy normal paraffin/Normal paraffin /L.N.P. with chlorine with evolution of HCl fumes which is converted in commercial grade HCl by passing gas & water/dil. Acid in graphite absorbers and excess emitted chlorine gas is neutralized in caustic soda solution in towers making commercial grade sodium hypo-chloride. The process of neutralization and formation of sodium hypo-chloride is carried in SIEL Chemical Complex.

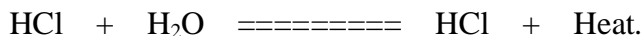


1 MT HNP + 3.5 MT of  $Cl_2$  + 3.6  $H_2O$  = 2.6 MT CP + 5.4 MT HCl + 0.08 Waste.

0.08 MT of 3.50 MT of  $\text{Cl}_2$  is approx 2% of waste and which source of pollution and is to be neutralized with caustic soda at hypo-chloride plant of SIEL Chemical Complex.



HCl fumes goes to separator buffer S.N. (6) where vapor form of NP/HNP is condensed and drained out for further use. HCl gas is passed on circulating water or dilute HCl in graphite blocks absorbers.



## **CHEMICAL PRODUCT IDENTIFICATION**

Substance: Chlorine

Trade Name/ Synonyms:

Chlorine Molecular: Diatomic Chlorine; Dichlorine; Molecular Chlorine;

Chemical Family: Halogen gas

## **COMPOSITION, INFORMATION ON INGRADIENTS**

Component: Chlorine

CAS NUMBER: 7782-50-5

PERCETAGE: 100.0

## **HAZARDS IDENTIFICATION**

NFPA RATING (SCALE 0-4): HEALTH=4 FIRE=0 REACTIVITY=0

Emergency over views:

Color: yellow or green

Physical form: Gas

Odour: distinct odour, irritating odour

Major Health Effects: harmful if inhaled, respiratory tract burns, skin burns, eye burns.

Physical Hazards Container may rupture orexplore if exposed to heat. May ignite combustibles.

### **Potential Health hazards:**

Inhalation:

Short term Exposer: Burns, Chest pain, difficulty breathing, Headache. Dizziness, hyperactivity, emotional disturbance, bluish skin colour, lung damage, death.

**Long Term Exposer:**

Burns, Skin disorders, lack of sense of smell, lung damage.

Skin Contact:

Short term Exposer: Burns

Long term Exposer: Burns

Eye Contact:

Short term Exposer: Burns

Long term Exposer: Burns

Ingestion:

Short term Exposer: Ingestion of harmful amounts is unlikely

Long term Exposer: Ingestion of harmful amounts is unlikely

**Raw Materials & Quantities (Monthly)**

			Existing	Proposed	Total
(1)	HNP/NP/LNP	=	168 MT	480 MT	648 MT
(2)	Liquid Chlorine	=	525 MT	1500 MT	2025 MT
(3)	Epoxy Plasticizer	=	1.68 MT	4.8 MT	6.48 MT

**Finished Product & By-product**

The unit will manufacture following:

<b><u>PRODUCT:</u></b>	<b>EXISTING</b>	<b>PROPOSED</b>	<b>Total</b>
Chlorinated Paraffin Plasticizers	5,040 MTPA	9,520 MTPA	14560 MTPA

**BY-PRODUCT:**

Hydrochloric Acid	10,080 M TPA	19,040 MTPA	29120 MTPA
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Raw materials and HCl acid product are listed as hazardous materials in part II of the schedule of the rules. All Precautions as listed in rules shall be taken for their storage & handling.

Attempts are always made to have minimum stock of Cl<sub>2</sub> tonners. Supply of Cl<sub>2</sub> is taken only when required and attempt is always made to receive the supply through pipe line. Cl<sub>2</sub> tonner are stored to a maximum of 900 Kg.

## **II) Assessment of Hazards and risks associated with such industries:**

### **A) Identification of various activities/areas/sources**

#### **(1) High Temperature and Pressure**

Temperature:

High temperature in the reaction vessel = 50-120° C

Pressure:

Chlorine Gas Pressure in tonner : 12.0 Kg/CM<sup>2</sup>.

Chlorine Gas Pressure in vaporizer: 3-5 Kg/CM<sup>2</sup>.

Gas Pressure in the supply pipe line: 3-5 Kg/CM<sup>2</sup>.

#### **(2) Hazard Areas of Plant:**

The Following areas are hazardous with respect to nature of material and operation:

- Chlorine handling e. g. pipe line & tonners storage
- Vaporizer- It is the equipment in which liquid chlorine is converted into gaseous form. Temperature controlled water is circulated in its outer jacket. Chlorine gas pressure is maintained 3-4 Kg/cm<sup>2</sup>
- Reaction Vessel-Whole of the reaction between paraffin wax and chlorine is carried out under suction. HCl vapours produced and un-reacted chlorine are continuously sucked. Suction: 50-100 mm.

#### **(3) Causes of Accidents**

- Release of chlorine gas due to leakage/ rupture of chlorine line/ tonner or its valve failure.
- Explosion in high pressure equipment

### **B. Quantification of Hazards:**

#### **Assessment of Hazards based on their frequency of Occurrence:-**

The probability of failure occurrence is very low, safety rule factor and injuries are some of the cases which are considered as the associated hazards.

Making a technically sound assessment of accident frequency for any industrial plant is an uphill task. It is true that there are various structured methods like HAZOP, HAZAN, fault tree analysis, event tree analysis through which estimates of such frequencies can be attempted. However, no such method can ensure that all potential accidents would be identified and

common cause failures covered. Moreover, the adoption of such methods needs the use of reliability of indices of equipment and the components of the system under study. These reliability indices are expected to be furnished by the manufactures which is seldom the case in actual practice. Moreover, such data is not available for every equipment. Even if the reliability data is available, the results may not be quite accurate as accidents are known to take place due to human error in operation and maintenance for which no satisfactory models are available. However, in the present case the experience is not long enough to predict with any degree of certainty of probability of accidents of different magnitude especially of that which may result in maximum credible loss as such accidents are incidents of extremely low frequency. All that can be stated with confidence is that:-

- The process carried out is well tested.
- The design and installation of plant comply with recognized standards and codes of practices
- All reasonable precautions are followed in operation & maintenance.

#### **Consequence of Accident:-**

A major accident may cause severe loss of life and property. The losses are based on

- on site losses
- off site losses

The first type includes loss of life, property damage and injuries at the site of occurrence for the people combating with the accident control. The offsite will include loss of life, property, neighbourhood of affected area.

#### **(1) Toxic Gas Leakage hazards & quantification thereof**

A) Tonner Cl<sub>2</sub> Gas Cylinder, 900 kg (Max. storage 4 nos)

Total Gas Storage: 3600 Kg

B) Quantity of Cl<sub>2</sub> Gas in Supply pipe line of 3" dia: 200 Kg

Incident	Quantity released	Consequences
Cl <sub>2</sub> leakage from tonner or pipeline	3800 kg	Chlorine conc. Upto 30ppm in downwind direction

- 1) \* The IDLH of chlorine has been taken as 10ppm (NIOSH)
- 2) \* The wind speed is taken as 5m/sec D. Pasqual.

**Failure case Listing:-**

In view of the inventories of hazardous material and plant process, the following case of selected failure may be considered for consequence analysis. This is the worst case scenario in catastrophic failure of chlorine handling system.

<b>Incidents</b>	<b>Consequences</b>
Chlorine leakage from the tonner due to valve getting sheared	Chlorine leakage & dispersion
Chlorine pipeline failure	Liquid Cl <sub>2</sub> spills at hydraulic head or pump delivery pressure and dispersion
Gasket failure	Cl <sub>2</sub> leakage & dispersion

**Consequence analysis:-**

In case of release of toxic gases into the atmosphere, the meteorological factors play an important role in its transport, dispersion and diffusion into the atmosphere. The mean annual wind speed in the study area is 3.5 Km/hr and the peak winter temperature is maximum 18<sup>0</sup>c and minimum 2<sup>0</sup>c. The summer mean maximum temperature is 39<sup>0</sup>c and minimum 15<sup>0</sup>c. No population is residing in 600m radius of plant area. For Cl<sub>2</sub> release due to valve fracture of tonner, the IDLH level of Cl<sub>2</sub> of 30ppm at 1.35 m/sec D. neutral weather condition is at a distance of 500m from the source of release.

**Preventive and control Measure:-**

- (1) All the equipments are being serviced As per the schedule for preventive maintenance to avoid the break down/ incident.
- (2) Safety kit/personal protecting equipments consisting of face mask, helmet, eyes protecting goggles, hand gloves, chest protecting sheet have been provided to the workers and staff.
- (3) Breathing apparatus have been provided.
- (4) Canister type mask which neutralize chlorine during breathing have been provided.
- (5) One Pit of sufficient size filled with calcium slurry has been provided near the tonner gas cylinder in use/storage area.
- (6) Tonner emergency kit has been provided. The kit is of clamp type is attached at the gas leakage point. It holds tightly the gas leakage point. The tonner sniff tube is to be put into pit consisting caustic lye/calcium slurry, to prevent the escape of toxic gases.



- (7) Portable suction hood with flexible pipeline for transfer of leakage gas to the neutraliser installed in the Siel.
- (8) Suction hood with pipeline for transfer of leakage gas to the neutraliser installed in the Siel.
- (9) Large suction hood completely cover the tonner along with pipe line for suction of leakage gas from tonner body and gas to be sent to neutralizer installed in the premises of Siel.
- (10) Wind direction balloon has been installed. In case gas leakage. Gas detector will alarm. Workers will assembles at opposite site after watching wind direction.
- (11) Dyke walls have been installed in the storage area of paraffin wax and Hydrochloric acid. The leakages are collected in it and sent with the help of pumps for proper storage.

**Description of safety units:-**

- 1. Pressure control at different points
- 2. Flow control to control and regulate flow of fluid automatically
- 3. Several alarms and trip circuits with automatic actuation

**Safety Relevant Components:-**

The design and operation procedure has been so developed as to enable the safe handling, operation and upkeep of plant. However, so far no major accidents have taken place. The built in safety has been the prime factor in achieving this. Standard code of practices are followed in letter and spirit in erection, commissioning, operation and maintenance of plant. Some safety relevant components in use are:-

- 1. use of relief valves, rupture discs and their listing during annual turn around
- 2. alarm, sensors, relays, trip systems have been provided.
- 3. Proper information related to safety
- 4. Appropriate operating procedure
- 5. All the statutory requirements are being fulfilled

### **Actions / Steps to be taken in case leakage in chlorine line/ tonners:-**

Hazards:

Incident/accident	Quantity can be released	Gas leakage detection	Action taken / measures adopted
Cl <sub>2</sub> leakage from tonner due to valve getting sheared / valve leakage from tonner body	Spillage of Cl <sub>2</sub> from one tonner (900 kg) Hazards Risk from 4 tonner (3600 kg)	In case leakage 1-2 ppm, Chlorine leakage detector will the loudly alarm. Ammonia hydroxide torch will be used to identify gas leakage point.	1) A tonner emergency kit be tighten around the leakage area. 2) One pit of adequate size for each tonner has been provided which is filled with calcium Slurry. At the time of leakage the said tonner sniff tube is to be put into pit to prevent the escape of toxic gas. 2) Large suction hood will be placed on tonner. It will completely cover the tonner. Leakage chlorine may directly be sucked in the neutralizer line for making sodium hypo chlorite. 3) If the tonner is leak from the valve, it can be made empty from other second valve.
Explosion of Tonner	Spillage of Cl <sub>2</sub> from one tonner (900 kg) Hazards Risk from 4 tonner (3600 kg)	Chlorine leakage detector will the loudly alarm.	In case of chlorine leakage detection alarm. (1)Workers have been instructed to see the wind direction from wind direction balloon and will assembles at opposite site of wind direction. (2)Safety kits/ Personal protective devises, Breathing apparatus, canister mask, eyes washers will be used for protection of human life (3)Water showers, water sprayers, sprinklers, water hydrants, Fans to be used for cooling of gas cylinder, dilution and disposal of spillage Cl <sub>2</sub> ,dispersion of gases.
Leakage in Chlorine pipe line/rupture of line/ Gasket facture/ valve failure/ sheared.	Leakage Cl <sub>2</sub> Gas 200 Kg	In case leakage 1-2 ppm, Chlorine leakage detector will the loudly alarm. Ammonia hydroxide torch will be used to identify gas leakage point.	(1) In case of leakage through pipe line, we may isolate the pipe line using multiple control valve provided with line in different locations. Gas line is isolated

Explosion in vaporizer vessel.	Leakage Cl <sub>2</sub> Gas 200 Kg	Chlorine leakage detector will the loudly alarm.	<p>In case of chlorine leakage detection alarm.</p> <p>(1)Workers have been instructed to see the wind direction from wind direction balloon and will assembles at opposite site of wind direction.</p> <p>(2)Safety kits/ Personal protective devises, Breathing apparatus, canister mask, eyes washers will be used for protection of human life</p> <p>(3)Water showers, water sprayers, sprinklers, water hydrants, Fans to be used for cooling of gas cylinder, dilution and disposal of spillage Cl<sub>2</sub>, dispersion of gases.</p>
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Note: In addition to the above, we shall inform the Siel Chemicals, who are having expertise in handling the chlorine as we are located inside their premises.

**Training in safety & OHSAS:-**

1. Training in accident prevention is imparted twice a year to all employees.
2. On site mock drill is conducted once a year for disaster with information to local authorities
3. Emergency instructions are displayed appropriately.
4. Wind socks are provided at suitable location
5. MSDS of all chemicals are displayed at suitable places.

**For M/S Ajanta Chemicals Industries**

**Authorised signatory**

**ON-SITE EMERGENCY PLAN**  
**OF**  
**AJANTA CHEMICAL INDUSTRIES**  
**2(A+B+C+D), SIEL INDUSTRIAL**  
**ESTATE**  
**VILLAGE: DAMANHERI**  
**TEHSIL-RAJPURA-140401**  
**DISTT.-PATIALA (Pb.)**

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## **INTRODUCTION**

An emergency is an accident/incident or a situation that has potential to cause serious injuries or loss of life. Subsequent to Bhopal Gas Tragedy, a new chapter (Chapter IV A) which relates to hazardous processes has been added to the Factories act and new provisions under sections 41A, 41B, 41C, 41D, 41E, 41G, 41H have been incorporate covering all hazardous process industries under the provisions of Sec 41B (4) and rule 13 of MSIHC rules 1989 is mandatory for every occupier to draw up an on-site emergency plan and detailed disaster control measures for factory and make known to the workers employed therein and the general public living near the factory. The safety measures to be taken in the event of an accident taking place.

### **Main Elements of On-site Emergency Plan at Ajanta Chemicals are:-**

- Leadership and Administration
- Role and responsibilities of key personnel
- Emergency action
- Light and Power
- Source of energy control
- Protective & rescue equipment
- Communication
- Medical Care
- Mutual aid
- Public relation
- Protection of vital records
- Training
- Periodic revision of plan

# **ACTION PLAN**

## **EMERGENCY CONTROL CENTRE:-**

It is the centre from where the operations to handle the emergency are directed and controlled. The Emergency Control Centre is equipped with the following facilities:-

- Internal and external records
- Daily attendance of employees
- Hazardous material and manufacturing process records
- Pollution records
- Walky-talky
- Plant layout showing:
  - i.) Storage area of hazardous equipments
  - ii.) Storage of safety equipments
  - iii.) Fire fighting system and source of water
  - iv.) Site entrance and emergency exit
  - v.) Vehicle parking area
  - vi.) Surrounding location.
- List of key personnel with addresses and telephone numbers etc.

## **ASSEMBLY POINTS:-**

These are safe places away from the plant and are pre-determined wherein case of emergency, personnel evacuated from the affected areas are assembled. The plant workers, contract workers, visitors should assemble in assembly point and the time office will take their attendance so as to assess the missing person during emergency.

## **KEY PERSONNEL FOR ON-SITE EMERGENCY:-**

- i.) Works Main Controller
- ii.) Works Incident Controller
- iii.) Others e.g.
  - Communication officer
  - Safety and fire officer
  - Telephone operator
  - Medical officer
  - Personnel/administration officer

- Essential work team leaders

### **1. WORKS MAIN CONTROLLER:-**

Mr. Narinder Sharma manager of the unit acts as the Main Controller. His duties are to:-

- Assess the magnitude of the situation and decided whether evacuation of staff is needed.
- Exercise and direct operational control over the areas other than those affected.
- Maintain a continuous review of developments and in consultation with work incident controller
- Liaise with police, fire services, medical services, factory inspectorate and other Govt. agencies
- Direct and control rehabilitation of affected area after emergency.

He will declare the emergency and instruct gate office to operate the emergency siren after assessing the gravity of situation.

### **2. WORKS INCIDENT CONTROLLER:-**

Sh. Grakh Nath is the next responsible person who will act as the works incident controller. He will rush to the place of occurrence and take overall charge and report to the works main controller by personnel communication, cell phones and walky talky. He will inform the communication officer to communicate with different agencies. He directs all operations within the affected area. He will order shut down of operations and evacuation of workers and staff from the affected area. He will inform security and fire services. He will ensure that all the non-essential workers/staff are evacuated to assembly point and areas searched for casualties. He will report all significant developments to the communication officer and advise to preserve evidence of emergency. Mr. Narinder Sharma in addition to Works Main Controller also acts as Communication Officer.

### **SECURITY & FIRE OFFICER:-**

Sh. Dhan Singh works as Security & Fire officer in case of emergency. On hearing the emergency siren/alarm, he reaches the incident area with fire and security staff and informs the communication officer and the Works Incident Controller about the situation and the requirements of outside help like State Fire services and other mutual aid members. The security will control the visitors and the vehicles entry.

### **MEDICAL OFFICER:-**

Medical officer with his team will report to the Works Incident Controller. The ambulance will be parked nearest to the site of incident. Name of injured and other casualties carried to the hospital will be recorded and handed over to Works Incident Controller. The ambulance will carry the injured to the nearest hospital for treatment.

### **PERSONNEL OFFICER:-**

He works as liaison officer liaising with works main controller and other essential departments e.g. police, press and the statutory authorities. His responsibilities are:-

- to ensure that casualties receive adequate attention
- to control traffic movement into the factory
- in case of prolonged emergency to arrange for the relief of personnel and organize refreshments
- arrange for finance to handle emergency

Sh. Narender Sharma or his alternative, Sh. D.R. Sharma works as Personnel officer in case of emergency.

### **Essential works & team leaders:-**

Sh. R. Sharma looks after this job in emergency. He is responsible to isolate the affected area, equipments and hazardous materials. He also nominates other works/Staff to carry out the essential works at the time of emergency. Such essential works include:-

- managing of assembly points
- recording the details of casualties and fatalities
- managing the factory entrance and liaison with the security officer

The essential works teams are:-

- Task force and repair team
- Fire fighting team
- Communication team
- Security team
- Transport team
- First aid & medical team
- Safety team

### **ALARM SYSTEM:-**

The following alarm systems which are normally required are:-

- Simple fire bell
- Break open type
- Fire alarm
- Automatic alarm

### **COMMUNICATION SYSTEM:-**

The communication systems which are in place include:-

- Walky talky
- Telephones
- Cell Phones
- Intercoms
- Runners (verbal or written messenger)



**SIREN SYSTEM:-**

The emergency siren installed in the premises is different from the normal siren and is audible to a distance of 5Km radius. It is used only in the case of emergency.

**ESCAPE ROUTE:-**

The escape route from the plant is clearly marked in the layout plan and will be understood by the users. It is the shortest route to reach out of the plant area to open area and leads to assembly point.

**EVACUATION:-**

All non-essential staff is evacuated from the emergency site. On hearing the emergency siren, the workers have to shut down the operation and move to assembly point. The emergency shutdown procedure is prescribed and is in place.

**COUNTING OF PERSONNEL:-**

All personnel works in the plant are counted. The job is entrusted to the time office clerk. This is checked with the attendance of workers, contract labours and other present at site on the day of emergency. The employee's address, telephone no. & the next of kin is monitored in the time office so that relative can be informed under such circumstances.

**ALL CLEAR SIGNAL:-**

After the emergency is over, the Works Incident Controller about the cessation of emergency. The main controller will then declare all clear by instructing the time office to sound "All Clear Siren."

### **MOCK DRILL:-**

Mock drill is conducted once in 6 months and the sequences of events are recorded for improvement of the exercise. This exercise is monitored by Factory Inspectorate and high officers of organization. The plan is reviewed every year.

### **EMERGENCY FACILITIES:-**

The following facilities are provided in the factory to tackle any emergency:-

- Emergency lighting and standby power
- Emergency equipment and rescue equipment
- Breathing apparatus set
- Resuscitator
- First aid kit
- Torches
- Ladders

### **SAFETY EQUIPMENT:-**

- Respirators
- Gumboots
- Safety helmets
- Asbestos rubber and hand gloves
- Goggles and face shield
- Ammonia torch
- Cl<sub>2</sub> alarm system
- Cl<sub>2</sub> measuring system
- Wind direction indicator (wind socks)

### **ON SITE EMERGENCY PLAN CONTROLS:-**

- Site plan
- Plan showing hazardous material storage
- Material safety data sheet
- Facilities in the control system
- List of emergency equipments
- List of safety equipments
- List of important telephone nos.
- Name & contact of key personnel, nearest fire station and Govt. officers.

**ANNEXURE-I****TABLE- THE PERSONS NOMINATED TO DECLARE THE EMERGENCY**

<b>Shift</b>	<b>Name of person &amp; designation</b>	<b>Tel /Mob No.</b>	<b>Name &amp; Designation of alternate person</b>	<b>Tel No.</b>
Gen	Mr. Narender Sharma	9316006300	Mr. D.R Sharma	93164500773
A/B/ C	Mr Grakh Nath	9988231052	-----	-----

**ANNEXURE-II****TABLE-OTHER PERSONS NOMINATED**

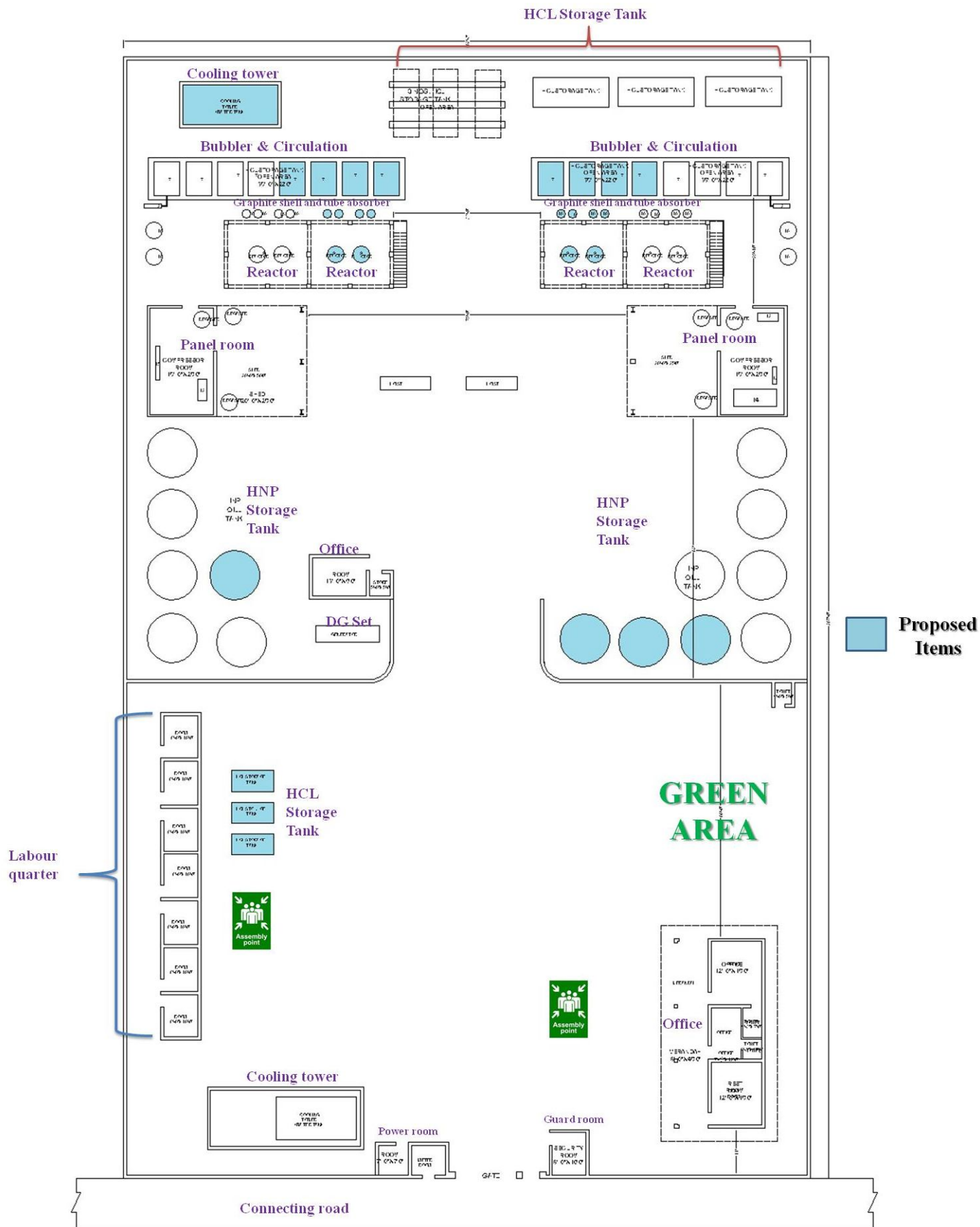
<b>Shift</b>	<b>Emergency Team attached To</b>	<b>Normal designation nominated workers</b>	<b>Where to report</b>
<u>General</u>	Team of reporting message to outside emergency /.communication team	Mr Narender Sharma	Main gate
<u>A</u>	Emergency Maintenance Team	Mr. R Sharma	Plant area
<u>B</u>	Fire & rescue Team	Mr Dhan Singh	Main Gate

TABLE- FIRE STATION DETAILS

S.NO	NAME & LOCATION OF THE FIRE STATION	FIRE FIGHTING ARRANGMENT AVAILABLE	PHONE NO
1	RAJPURA FIRE OFFICER	WATER TENDERS	01762-224101
2	PATIALA FIRE BRIGADE	WATER TENDERS FOAM DISPENSERS	0175-101 0175-224101
3	EMERGENCY TASK FORCE SIEL COMPLEX	WATER TENDERS	01762-228540- 549
4	SEC-17 CHANDIGARH	WATER TENDERS FOAM DISPENSERS FIRE TRAILOR PUMP	0172-101 0172-2702333 2703507
5	MOHALI FIRE STATION PHASE-1	WATER TENDERS FOAM DISPENSERS	0172-2225902

**NAME OF THE KEY PERSONS IN CASE OF EMERGENCY**

<b>S.NO</b>	<b>NAME OF THE PERSON</b>	<b>TELEPHONE /MOBILE NO</b>
1	DEPUTY COMMISSIONER PATIALA	0175-2311324
2	FIRE STATION PATIALA	0175-22401
3	FIRE SERVICE RAJPURA	01762-224101
4	POLICE STATION RAJPURA SHO	01762-224100 09876432170
5	SDM RAJPURA	01762- 224397
6	MEDICAL SUPRETENDENT RAJPURA HOSPITAL (SMO)	09872040154
7.	SDO PPCB PATIALA	01752215703 08146662528
8.	DIRECTOR OF FACTORIES SCCTOR -17 CHANDIGARH	0172 -286230
9.	DY DIRECTOR OF FACTORIES PATIALA MR GAURAV PURI	9646015878
10.	EMERGENCY TASK FORCE SIEL CHEMICAL COMPLEX	01762-228540 to 545
11.	AP JAIN HOSPITAL	01762-223314
12.	SIEL CONTROL ROOM	9815371030
13.	MR NARENDER SHARMA	093164-27454
14.	MR RD SHARMA	9316450073





# FLOW TECH CHEMICALS PVT. LTD.

(Formerly M/s. Flow Well Plast Chem (Pvt. Ltd.)  
Manufacturer & Exporters of Chlorinated Paraffins & HCL

Date: 31.03.2016

To,  
Member Secretary  
State Level Expert Appraisal Committee, MoEF & CC,  
O/o Punjab Pollution Control Board  
Patiala, Punjab.

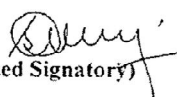
**Subject: - Revised Risk Assessment Document.**

Respected Sir,

Our case was considered by the SEAC in its 141st meeting held on 27.02.2016. After detailed discussion, the honorable committee asked to resubmit an amended Risk Assessment document. So, we are submitting the document as desired by the respected committee.

Thanking you.

Yours faithfully,  
For M/S Flowtech Chemicals Pvt. Ltd.,

  
(Authorized Signatory)

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REGD./CORPORATE OFFICE : 314, PP TOWERS, NETAJI SUBHASH PLACE, PITAMPURA, NEW DELHI-110034

TEL : 91-11-47049200, 47049211- 47049214 FAX : + 91-11-43850818, E-FAX: 91-11-27354102,

WEB : [www.flowtechgroup.in](http://www.flowtechgroup.in), E-MAIL : [info@flowtechgroup.in](mailto:info@flowtechgroup.in)

ORKS : PLOT NO, 1-A, SIEL INDUSTRIAL ESTATE, CPW COMPLEX, VILLAGE DAHANBERI, RAJPURA, DISTT. PATIALA (PUNJAB), INDIA

  
(Authorized Signatory)

# **IDENTIFICATION & QUANTIFICATION OF HAZARDS, RISK ASSESSMENT AND ACTION TAKEN**

## **(I) INTRODUCTION:-**

For the sustainability of any industry, it is essential to identify the Hazards and the associated risks so as to manage them to acceptable level. Recognizing the toxicity of chlorine which is the principle ingredient for chlorinated paraffin. M/s Flow Tech Chemicals (P) Limited, Plot No-I, Seil Focal Point, Rajpura is continuously striving for controlling the risks from various hazards for the assessment of which proper risk assessment procedures have been followed. For the proposed expansion, risk analysis has been carried out to assess the associated risks. To effectively implement the safety system, a structured approach has been drawn out to minimize the hazard and the risks by involving the mechanism of reporting/investigating/analysis of accidents, dangerous occurrences and near misses. As a result, the industry remained accident free since its inception. It is pertinent to maintain that not much is known about the risks & hazards of CP's but Chlorine which is highly toxic has been duly considered in the study. However, chlorine is neither flammable nor combustible but a highly reactive material. It reacts readily with most elements, many organic and inorganic, in some cases violently and evolution of heat.

### **Manufacturing Process**

The Chlorinated Paraffin plasticizer is manufactured by an exothermic reaction of Heavy normal paraffin/Normal paraffin /L.N.P. with chlorine with evolvment of HCl fumes which is converted in commercial grade HCl by passing gas & water/dil. Acid in graphite absorbers and excess emitted chlorine gas is neutralized in caustic soda solution in towers making commercial grade sodium hypo-chloride. The process of neutralization and formation of sodium hypo-chloride is carried in SIEL Chemical Complex.



  
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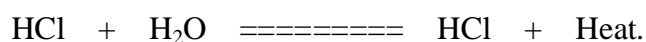


1 MT HNP + 3.5 MT of  $\text{Cl}_2$  + 3.6  $\text{H}_2\text{O}$  = 2.6 MT CP + 5.4 MT HCl + 0.08 Waste.

0.08 MT of 3.50 MT of  $\text{Cl}_2$  is approx 2% of waste and which source of pollution and is to be neutralized with caustic soda at hypo-chloride plant of SIEL Chemical Complex.



HCl fumes goes to separator buffer S.N. (6) where vapor form of NP/HNP is condensed and drained out for further use. HCl gas is passed on circulating water or dilute HCl in graphite blocks absorbers.



## CHEMICAL PRODUCT IDENTIFICATION

Substance: Chlorine

Trade Name/ Synonyms:

Chlorine Molecular: Diatomic Chlorine; Dichlorine; Molecular Chlorine;

Chemical Family: Halogen gas

## COMPOSITION, INFORMATION ON INGREDIENTS

Component: Chlorine

CAS NUMBER: 7782-50-5

PERCENTAGE: 100.0

## HAZARDS IDENTIFICATION

NFPA RATING (SCALE 0-4): HEALTH=4 FIRE=0 REACTIVITY=0

Emergency over views:

Color: yellow or green

Physical form: Gas

Odour: distinct odour, irritating odour

Major Health Effects: harmful if inhaled, respiratory tract burns, skin burns, eye burns.

Physical Hazards Container may rupture or explode if exposed to heat. May ignite combustibles.

**Potential Health hazards:**

  
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Inhalation:

Short term Exposer: Burns, Chest pain, difficulty breathing, Headache. Dizziness, hyperactivity, emotional disturbance, bluish skin colour, lung damage, death.

**Long Term Exposer:**

Burns, Skin disorders, lack of sense of smell, lung damage.

Skin Contact:

Short term Exposer: Burns

Long term Exposer: Burns

Eye Contact:

Short term Exposer: Burns

Long term Exposer: Burns

Ingestion:

Short term Exposer: Ingestion of harmful amounts is unlikely

Long term Exposer: Ingestion of harmful amounts is unlikely

**Raw Materials & Quantities (Monthly)**

		Existing	Proposed	Total
(1)	HNP/NP/LNP =	168 MT	480 MT	648 MT
(2)	Liquid Chlorine =	525 MT	1500 MT	2025 MT
(3)	Epoxy Plasticizer =	1.68 MT	4.8 MT	6.48 MT

**Finished Product & By-product**

The unit will manufacture following:

<b><u>PRODUCT:</u></b>	<b>EXISTING</b>	<b>PROPOSED</b>	<b>Total</b>
Chlorinated Paraffin Plasticizers	5,040 MTPA	9,520 MTPA	14560 MTPA

**BY-PRODUCT:**

Hydrochloric Acid	10,080 M TPA	19,040 MTPA	29120 MTPA
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Raw materials and HCl acid product are listed as hazardous materials in part II of the schedule of the rules. All Precautions as listed in rules shall be taken for their storage & handling.

  
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Attempts are always made to have minimum stock of  $\text{Cl}_2$  tonners. Supply of  $\text{Cl}_2$  is taken only when required and attempt is always made to receive the supply through pipe line.  $\text{Cl}_2$  tonner are stored to a maximum of 900 Kg.

## **II) Assessment of Hazards and risks associated with such industries:**

### **A) Identification of various activities/areas/sources**

#### **(1) High Temperature and Pressure**

Temperature:

High temperature in the reaction vessel =  $50-120^\circ\text{C}$

Pressure:

Chlorine Gas Pressure in tonner :  $12.0\text{ Kg}/\text{CM}^2$ .

Chlorine Gas Pressure in vaporizer:  $3-5\text{ Kg}/\text{CM}^2$ .

Gas Pressure in the supply pipe line:  $3-5\text{ Kg}/\text{CM}^2$ .

#### **(2) Hazard Areas of Plant:**

The Following areas are hazardous with respect to nature of material and operation:

- Chlorine handling e. g. pipe line & tonners storage
- Vaporizer- It is the equipment in which liquid chlorine is converted into gaseous form. Temperature controlled water is circulated in its outer jacket. Chlorine gas pressure is maintained  $3-4\text{ Kg}/\text{cm}^2$
- Reaction Vessel-Whole of the reaction between paraffin wax and chlorine is carried out under suction.  $\text{HCl}$  vapours produced and un-reacted chlorine are continuously sucked. Suction: 50-100 mm.

#### **(3) Causes of Accidents**

- Release of chlorine gas due to leakage/ rupture of chlorine line/ tonner or its valve failure.
- Explosion in high pressure equipment

### **B. Quantification of Hazards:**

#### **Assessment of Hazards based on their frequency of Occurrence:-**

The probability of failure occurrence is very low, safety rule factor and injuries are some of the cases which are considered as the associated hazards.

  
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Making a technically sound assessment of accident frequency for any industrial plant is an uphill task. It is true that there are various structured methods like HAZOP, HAZAN, fault tree analysis, event tree analysis through which estimates of such frequencies can be attempted. However, no such method can ensure that all potential accidents would be identified and common cause failures covered. Moreover, the adoption of such methods needs the use of reliability of indices of equipment and the components of the system under study. These reliability indices are expected to be furnished by the manufacturers which is seldom the case in actual practice. Moreover, such data is not available for every equipment. Even if the reliability data is available, the results may not be quite accurate as accidents are known to take place due to human error in operation and maintenance for which no satisfactory models are available. However, in the present case the experience is not long enough to predict with any degree of certainty of probability of accidents of different magnitude especially of that which may result in maximum credible loss as such accidents are incidents of extremely low frequency. All that can be stated with confidence is that:-

- The process carried out is well tested.
- The design and installation of plant comply with recognized standards and codes of practices
- All reasonable precautions are followed in operation & maintenance.

**Consequence of Accident:-**

A major accident may cause severe loss of life and property. The losses are based on

- on site losses
- off site losses

The first type includes loss of life, property damage and injuries at the site of occurrence for the people combating with the accident control. The offsite will include loss of life, property, neighbourhood of affected area.

**(1) Toxic Gas Leakage hazards & quantification thereof**

- A) Tonner  $\text{Cl}_2$  Gas Cylinder, 900 kg (Max. storage 4 nos)  
Total Gas Storage: 3600 Kg
- B) Quantity of  $\text{Cl}_2$  Gas in Supply pipe line of 3" dia: 200 Kg

  
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Incident	Quantity released	Consequences
Cl <sub>2</sub> leakage from tonner or pipeline	3800 kg	Chlorine conc. Upto 30ppm in downwind direction

- 1) \* The IDLH of chlorine has been taken as 10ppm (NIOSH)
- 2) \* The wind speed is taken as 5m/sec D. Pasqual.

#### **Failure case Listing:-**

In view of the inventories of hazardous material and plant process, the following case of selected failure may be considered for consequence analysis. This is the worst case scenario in catastrophic failure of chlorine handling system.

Incidents	Consequences
Chlorine leakage from the tonner due to valve getting sheared	Chlorine leakage & dispersion
Chlorine pipeline failure	Liquid Cl <sub>2</sub> spills at hydraulic head or pump delivery pressure and dispersion
Gasket failure	Cl <sub>2</sub> leakage & dispersion

#### **Consequence analysis:-**

In case of release of toxic gases into the atmosphere, the meteorological factors play an important role in its transport, dispersion and diffusion into the atmosphere. The mean annual wind speed in the study area is 3.5 Km/hr and the peak winter temperature is maximum 18<sup>0</sup>c and minimum 2<sup>0</sup>c. The summer mean maximum temperature is 39<sup>0</sup>c and minimum 15<sup>0</sup>c. No population is residing in 600m radius of plant area. For Cl<sub>2</sub> release due to valve fracture of tonner, the IDLH level of Cl<sub>2</sub> of 30ppm at 1.35 m/sec D. neutral weather condition is at a distance of 500m from the source of release.

#### **Preventive and control Measure:-**

- (1) All the equipments are being serviced As per the schedule for preventive maintenance to avoid the break down/ incident.
- (2) Safety kit/personal protecting equipments consisting of face mask, helmet, eyes protecting goggles, hand gloves, chest protecting sheet have been provided to the workers and staff.
- (3) Breathing apparatus have been provided.
- (4) Canister type mask which neutralize chlorine during breathing have been provided.

  
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- (5) One Pit of sufficient size filled with calcium slurry has been provided near the tonner gas cylinder in use/storage area.
- (6) Tonner emergency kit has been provided. The kit is of clamp type is attached at the gas leakage point. It holds tightly the gas leakage point. The tonner sniff tube is to be put into pit consisting caustic lye/calcium slurry, to prevent the escape of toxic gases.
- (7) Portable suction hood with flexible pipeline for transfer of leakage gas to the neutraliser installed in the Siel.
- (8) Suction hood with pipeline for transfer of leakage gas to the neutraliser installed in the Siel.
- (9) Large suction hood completely cover the tonner along with pipe line for suction of leakage gas from tonner body and gas to be sent to neutralizer installed in the premises of Siel.
- (10) Wind direction balloon has been installed. In case gas leakage.  
Gas detector will alarm. Workers will assemble at opposite site after watching wind direction.
- (11) Dyke walls have been installed in the storage area of paraffin wax and Hydrochloric acid. The leakages are collected in it and sent with the help of pumps for proper storage.

**Description of safety units:-**

- 1. Pressure control at different points
- 2. Flow control to control and regulate flow of fluid automatically
- 3. Several alarms and trip circuits with automatic actuation

**Safety Relevant Components:-**

The design and operation procedure has been so developed as to enable the safe handling, operation and upkeep of plant. However, so far no major accidents have taken place. The built in safety has been the prime factor in achieving this. Standard code of practices are followed in letter and spirit in erection, commissioning, operation and maintenance of plant. Some safety relevant components in use are:-

- 1. use of relief valves, rupture discs and their listing during annual turn around
- 2. alarm, sensors, relays, trip systems have been provided.

  
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3. Proper information related to safety
4. Appropriate operating procedure
5. All the statutory requirements are being fulfilled

**Actions / Steps to be taken in case leakage in chlorine line/ tonners:-**

Hazards:

Incident/accident	Quantity can be released	Gas leakage detection	Action taken / measures adopted
Cl <sub>2</sub> leakage from tonner due to valve getting sheared / valve leakage from tonner body	Spillage of Cl <sub>2</sub> from one tonner (900 kg) Hazards Risk from 4 tonner (3600 kg)	In case leakage 1-2 ppm, Chlorine leakage detector will the loudly alarm. Ammonia hydroxide torch will be used to identify gas leakage point.	1) A tonner emergency kit be tighten around the leakage area. 2) One pit of adequate size for each tonner has been provided which is filled with calcium Slurry. At the time of leakage the said tonner sniff tube is to be put into pit to prevent the escape of toxic gas. 2) Large suction hood will be placed on tonner. It will completely cover the tonner. Leakage chlorine may directly be sucked in the neutralizer line for making sodium hypo chlorite. 3) If the tonner is leak from the valve, it can be made empty from other second valve.
Explosion of Tonner	Spillage of Cl <sub>2</sub> from one tonner (900 kg) Hazards Risk from 4 tonner (3600 kg)	Chlorine leakage detector will the loudly alarm.	In case of chlorine leakage detection alarm. (1)Workers have been instructed to see the wind direction from wind direction balloon and will assembles at opposite site of wind direction. (2)Safety kits/ Personal protective devises, Breathing apparatus, canister mask, eyes washers will be used for protection of human life (3)Water showers, water sprayers, sprinklers, water hydrants, Fans to be used for cooling of gas cylinder, dilution and disposal of spillage Cl <sub>2</sub> ,dispersion of gases.
Leakage in Chlorine pipe line/rupture of line/ Gasket facture/	Leakage Cl <sub>2</sub> Gas 200 Kg	In case leakage 1-2 ppm, Chlorine leakage detector	(1) In case of leakage through pipe line, we may isolate the pipe line using multiple control valve provided

  
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valve failure/ sheared.		will the loudly alarm. Ammonia hydroxide torch will be used to identify gas leakage point.	with line in different locations. Gas line is isolated
Explosion in vaporizer vessel.	Leakage Cl <sub>2</sub> Gas 200 Kg	Chlorine leakage detector will the loudly alarm.	In case of chlorine leakage detection alarm. (1)Workers have been instructed to see the wind direction from wind direction balloon and will assemble at opposite site of wind direction. (2)Safety kits/ Personal protective devices, Breathing apparatus, canister mask, eyes washers will be used for protection of human life (3)Water showers, water sprayers, sprinklers, water hydrants, Fans to be used for cooling of gas cylinder, dilution and disposal of spillage Cl <sub>2</sub> , dispersion of gases.

Note: In addition to the above, we shall inform the SIEL Chemicals, who are having expertise in handling the chlorine as we are located inside their premises.

**Training in safety & OHSAS:-**

1. Training in accident prevention is imparted twice a year to all employees.
2. On site mock drill is conducted once a year for disaster with information to local authorities
3. Emergency instructions are displayed appropriately.
4. Wind socks are provided at suitable location
5. MSDS of all chemicals are displayed at suitable places.

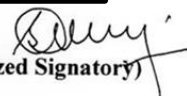
  
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**ON-SITE EMERGENCY PLAN  
OF  
FLOWTECH CHEMICALS  
PVT. LIMITED**

**Plot No. 1(A+B+C+D), SIEL  
INDUSTRIAL ESTATE**

**VILLAGE: DAMANHERI  
TEHSIL-RAJPURA-140401  
DISTT.-PATIALA (Pb.)**

  
(Authorized Signatory)

# **INTRODUCTION**

An emergency is an accident/incident or a situation that has potential to cause serious injuries or loss of life. Subsequent to Bhopal Gas Tragedy, a new chapter (Chapter IV A) which relates to hazardous processes has been added to the Factories act and new provisions under sections 41A, 41B, 41C, 41C, 41D, 41E, 41G, 41H have been incorporated covering all hazardous process industries under the provisions of Sec 41B(4) and rule 13 of MSIHC rules 1989, it is mandatory for every occupier to draw up an on-site emergency plan and detailed disaster control measures for factory and make known to the workers employed therein and the general public living near the factory, the safety measures to be taken in the event of an accident taking place.

## **Main Elements of On-site Emergency Plan at Flowtech Chemicals Pvt. Ltd. are:-**

- Leadership and Administration
- Role and responsibilities of key personnel
- Emergency action
- Light and Power
- Source of energy control
- Protective & rescue equipment
- Communication
- Medical Care
- Mutual aid
- Public relation
- Protection of vital records
- Training
- Periodic revision of plan

  
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# ACTION PLAN

## **EMERGENCY CONTROL CENTRE:-**

It is the centre from where the operations to handle the emergency are directed and controlled. The Emergency Control Centre is equipped with the following facilities:-

- Internal and external records
- Daily attendance of employees
- Hazardous material and manufacturing process records
- Pollution records
- Walky-talky
- Plant layout showing:
  - i.) Storage area of hazardous equipments
  - ii.) Storage of safety equipments
  - iii.) Fire fighting system and source of water
  - iv.) Site entrance and emergency exit
  - v.) Vehicle parking area
  - vi.) Surrounding location.
- List of key personnel with addresses and telephone numbers etc.

---

## **ASSEMBLY POINTS:-**

These are safe places away from the plant and are pre-determined where in case of emergency, personnel evacuated from the affected areas are assembled. The plant workers, contract workers, visitors should assemble in assembly point and the time office will take their attendance so as to assess the missing person during emergency.

---

## **KEY PERSONNEL FOR ON-SITE EMERGENCY:-**

- i.) Works Main Controller
- ii.) Works Incident Controller
- iii.) Others e.g.
  - Communication officer

  
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- Safety and fire officer
- Telephone operator
- Medical officer
  
- Personnel/administration officer
- Essential work team leaders

### **1. WORKS MAIN CONTROLLER:-**

Mr. Shree Bhagwan acts as the Main Controller. His duties are to:-

- Assess the magnitude of the situation and decided whether evacuation of staff is needed.
- Exercise and direct operational control over the areas other than those affected.
- Maintain a continuous review of developments and in consultation with work incident controller
- Liaise with police, fire services, medical services, factory inspectorate and other Govt. agencies
- Direct and control rehabilitation of affected area after emergency.

He will declare the emergency and instruct gate office to operate the emergency siren after assessing the gravity of situation.

### **2. WORKS INCIDENT CONTROLLER:-**

Sh. Rakesh Pal is the next responsible person who will act as the works incident controller. He will rush to the place of occurrence and take overall charge and report to the works main controller by personnel communication, cell phones and walky talky. He will inform the communication officer to communicate with different agencies. He directs all operations within the affected area. He will order shut down of operations and evacuation of workers and staff from the affected area. He will inform security and fire services. He will ensure that all the non-essential workers/staff are evacuated to assembly point and areas searched for casualties. He will report all significant developments to the communication officer and advise to preserve evidence of emergency. Mr. Shree Bhagwan in addition to Works Main Controller also acts as Communication Officer.

### **SECURITY & FIRE OFFICER:-**

Sh. Satish works as Security and Fire officer in case of emergency. On hearing the

  
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emergency siren/alarm, he reaches the incident area with fire and security staff and informs the communication officer and the Works Incident Controller about the situation and the requirements of outside help like State Fire services and other mutual aid members. The security will control the visitors and the vehicles entry.

### **MEDICAL OFFICER:-**

Medical officer with his team will report to the Works Incident Controller. The ambulance will be parked nearest to the site of incident. Name of injured and other casualties carried to the hospital will be recorded and handed over to Works Incident Controller. The ambulance will carry the injured to the nearest hospital for treatment.

### **PERSONNEL OFFICER:-**

He works as liaison officer liaising with works main controller and other essential departments e.g. police, press and the statutory authorities. His responsibilities are:-

- to ensure that casualties receive adequate attention
- to control traffic movement into the factory
- in case of prolonged emergency to arrange for the relief of personnel and organize refreshments
- arrange for finance to handle emergency

Sh. Shree Bhagwan or his alternative, Sh. Ram Roop works as Personnel officer in case of emergency.

### **Essential works & team leaders:-**

Sh. Karu Kumar looks after this job in emergency. He is responsible to isolate the affected area, equipments and hazardous materials. He also nominates other works/Staff to carry out the essential works at the time of emergency. Such essential works include:-

- managing of assembly points
- recording the details of casualties and fatalities
- managing the factory entrance and liaison with the security officer

The essential works teams are:-

- Task force and repair team
- Fire fighting team
- Communication team
- Security team
- Transport team
- First aid & medical team
- Safety team

  
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## **ALARM SYSTEM:-**

The following alarm systems which are normally required are:-

- Simple fire bell
- Break open type
- Fire alarm
- Automatic alarm

## **COMMUNICATION SYSTEM:-**

The communication systems which are in place include:-

- Walky talky
- Telephones
- Cell Phones
- Intercoms
- Runners (verbal or written messenger)

## **SIREN SYSTEM:-**

The emergency siren installed in the premises is different from the normal siren and is audible to a distance of 5Km radius. It is used only in the case of emergency.

## **ESCAPE ROUTE:-**

The escape route from the plant is clearly marked in the layout plan and will be understood by the users. It is the shortest route to reach out of the plant area to open area and leads to assembly point.

## **EVACUATION:-**

All non-essential staff is evacuated from the emergency site. On hearing the emergency siren, the workers have to shut down the operation and move to assembly point. The emergency shutdown procedure is prescribed and is in place.

## **COUNTING OF PERSONNEL:-**

All personnel works in the plant are counted. The job is entrusted to the time office clerk. This is checked with the attendance of workers, contract labours and other present at site on the day of emergency. The employee's address, telephone no. & the next of kin is monitored in the time office so that relative can be informed under such circumstances.

## **ALL CLEAR SIGNAL:-**

After the emergency is over, the Works Incident Controller about the cessation of emergency. The main controller will then declare all clear by instructing the time office to

  
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sound “All Clear Siren.”

### **MOCK DRILL:-**

Mock drill is conducted once in 6 months and the sequences of events are recorded for improvement of the exercise. This exercise is monitored by Factory Inspectorate and high officers of organization. The plan is reviewed every year.

### **EMERGENCY FACILITIES:-**

The following facilities are provided in the factory to tackle any emergency:-

- Emergency lighting and standby power
- Emergency equipment and rescue equipment
- Breathing apparatus set
- Resuscitator
- First aid kit
- Torches
- Ladders

### **SAFETY EQUIPMENT:-**

- Respirators
- Gumboots
- Safety helmets
- Asbestos rubber and hand gloves
- Goggles and face shield
- Ammonia torch
- Cl<sub>2</sub> alarm system
- Cl<sub>2</sub> measuring system
- Wind direction indicator (wind socks)

### **ON SITE EMERGENCY PLAN CONTROLS:-**

- Site plan
- Plan showing hazardous material storage
- Material safety data sheet
- Facilities in the control system
- List of emergency equipments
- List of safety equipments
- List of important telephone nos.
- Name & contact of key personnel, nearest fire station and Govt. officers.

  
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**TABLE-I****THE PERSONS NOMINATED TO DECLARE THE EMERGENCY**

Shift	Name of person & designation	Tel /Mob No.	Name & Designation of alternate person	Tel No.
Gen	Mr. Shree Bhagwan	9316458656	Mr. Ram Roop	9646533941
A	Mr. Rakesh Pal	01762-320599		
B&C	Mr. Vinod Singh	01762-320599	-----	-----

**TABLE-II****OTHER PERSONS NOMINATED**

Shift	Emergency Team attached To	Normal designation nominated workers	Where to report
<u>General</u>	Team of reporting message to outside emergency /.communication team	Mr Shree Bhagwan	Main gate
<u>A</u>	Emergency Maintenance Team	Mr. Karu Kumar	
<u>B</u>	Fire & rescue Team	Mr Satish	Plant area

Main Gate

  
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**TABLE-III**  
**FIRE STATION DETAILS**

S.NO	NAME & LOCATION OF THE FIRE STATION	FIRE FIGHTING ARRANGMENT AVAILABLE	PHONE NO
1	RAJPURA FIRE OFFICER	WATER TENDERS	01762-224101
2	PATIALA FIRE BRIGADE	WATER TENDERS FOAM DISPENSERS	0175-101 0175-224101
3	EMERGENCY TASK FORCE SIEL COMPLEX	WATER TENDERS	01762-228540- 549
4	SEC-17 CHANDIGARH	WATER TENDERS FOAM DISPENSERS FIRE TRAILOR PUMP	0172-101 0172-2702333 2703507
5	MOHALI FIRE	WATER TENDERS	0172-2225902

  
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**TABLE-IV****NAME OF THE KEY PERSONS IN CASE OF EMERGENCY**

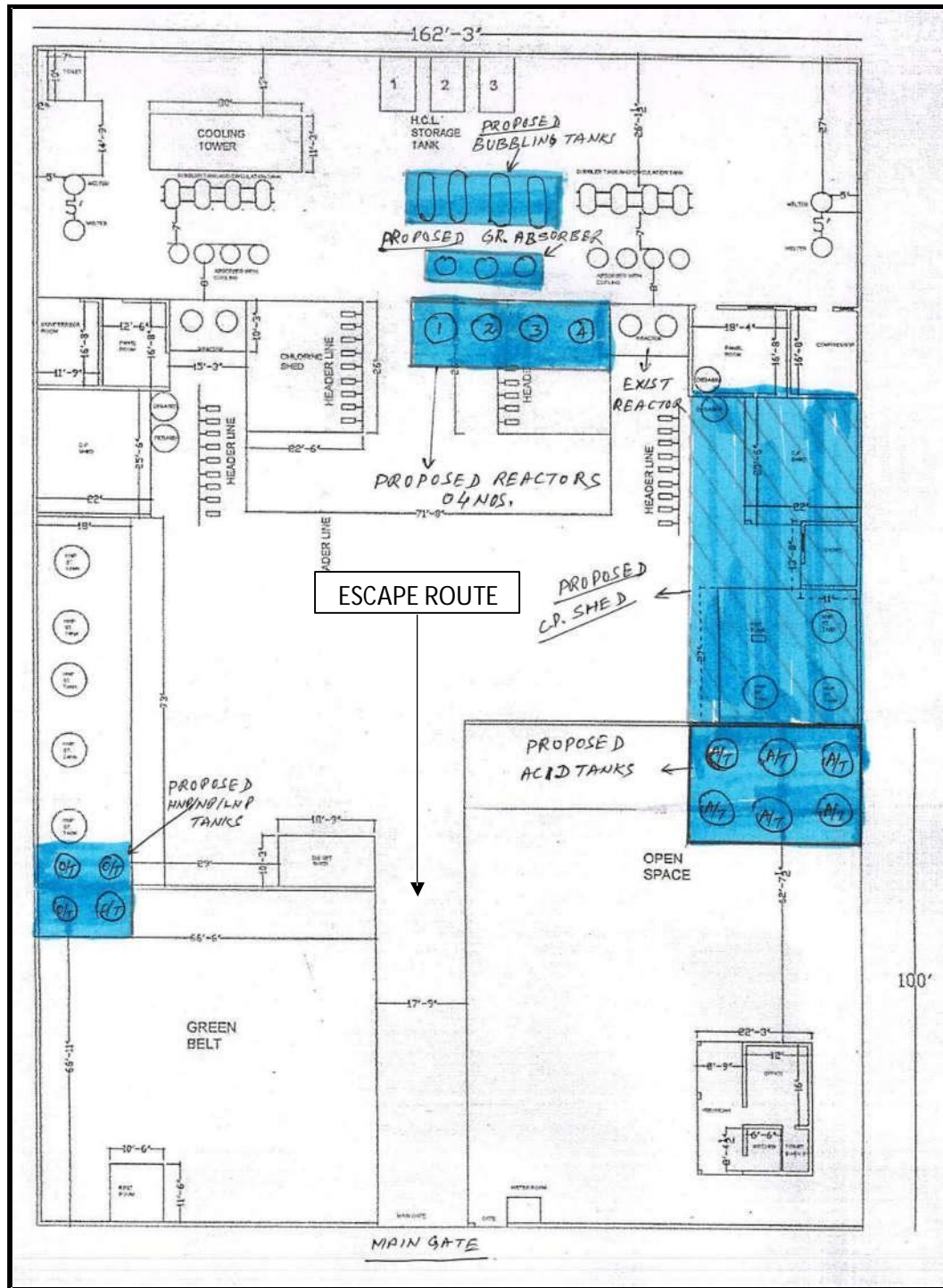
<b>S.NO</b>	<b>NAME OF THE PERSON</b>	<b>TELEPHONE /MOBILE NO</b>
1	14.	DEPUTY COMMISSIONER
2		PATIALA
3		FIRE STATION PATIALA
		FIRE SERVICE RAJPURA
4		POLICE STATION RAJPURA
5		SHO
6		SDM RAJPURA
		MEDICAL SUPRETENDENT
7.		RAJPURA HOSPITAL (SMO)
8.		SDO PPCB PATIALA
9.		DIRECTOR OF FACTORIES CHANDIGARH
10.		DY DIRECTOR OF FACTORIES PATIALA
11.		MR GAURAV PURI
12.		EMERGENCY TASK FORCE
13.		SIEL CHEMICAL COMPLEX

  
(Authorized Signatory)

AP JAIN HOSPITAL	01762-224101	0172 -286230
SIEL CONTROL ROOM	01762-224100	9646015878
MR NARENDER SHARMA	09876432170 01762- 224397	01762-228540 to 545
MR RD SHARMA	09872040154 01752215703	01762-223314 9815371030
0175-2311324	08146662528	093164-27454
0175-22401		9316450073

  
(Authorized Signatory)

# LAYOUT PLAN



*Sally*  
(Authorized Signatory)

  
(Authorized Signatory)

- The total load of electricity required for group housing after expansion will be 1400 KW which will be taken from the PSPCL. There is a proposal to install silent DG sets 2 x 240 KVA & 1 x 125 KVA as stand-by arrangement.
- 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

The case was considered by the SEAC in its 141<sup>st</sup> meeting held on 27.02.2016, which was attended by the following on behalf of project proponent:

- (i) Sh. Maninder Jeet Singh, Manager Sales of the promoter company.
- (ii) Sh. Deepak Gupta of M/s Jalvayu Consultants, Environmental Consultant of the promoter company

Before allowing the presentation to the Environmental Consultant of the promoter company, the SEAC observed that application has been submitted for the expansion of group housing project by M/s Star Real-tech & Developers Pvt. Ltd. The total built up area of the project, has been increased from 19204 sqm (164 flats) to 31288 sqm (261 flats). The SEAC observed that existing built up area is 19204 sqm which is nearer to 20,000 sqm. Therefore, the SEAC felt that before appraisal of expansion proposals, a team of two SEAC members (Er. Malvinder Singh and Sh. J S Sekhon), is required to be sent for verification to ascertain whether earlier built up area is actually less than 20,000 sqm & to check the violation with respect to construction of expanded project.

After discussion, SEAC decided to defer the case till the verification report from the SEAC members is received.

Sh. JS Sekhon, Member, SEAC expressed his inability to visit the project site due to pre-occupation and requested some other member for the visit.

Accordingly, in direction to the compliance of the Chairman SEAC, the team of the following two members was constituted to visit the project and send the status

report regarding the compliance of existing project & construction status with regard to its expansion component:

1. Er. Malvinder Singh, FIE
2. Dr. Akepati Sivarami Reddy

## VI SIT REPORT:

The project site was visited by the above SEAC members on 10-3-2016. Sh. Vineet Chaudhary, GM Sales & Marketing (98760-80355) of the project and Sh. Deepak Gupta, of M/s Jalvayu Consultants, Environmental Consultant of the promoter company took us around the project site.

During the visit to the project, **no construction activity** was being carried out at the site by the project management. However, **before applying for the EC for the expansion project**, the project management has constructed the two blocks and a block for EWS housing (only frame structures) whose details are given below:

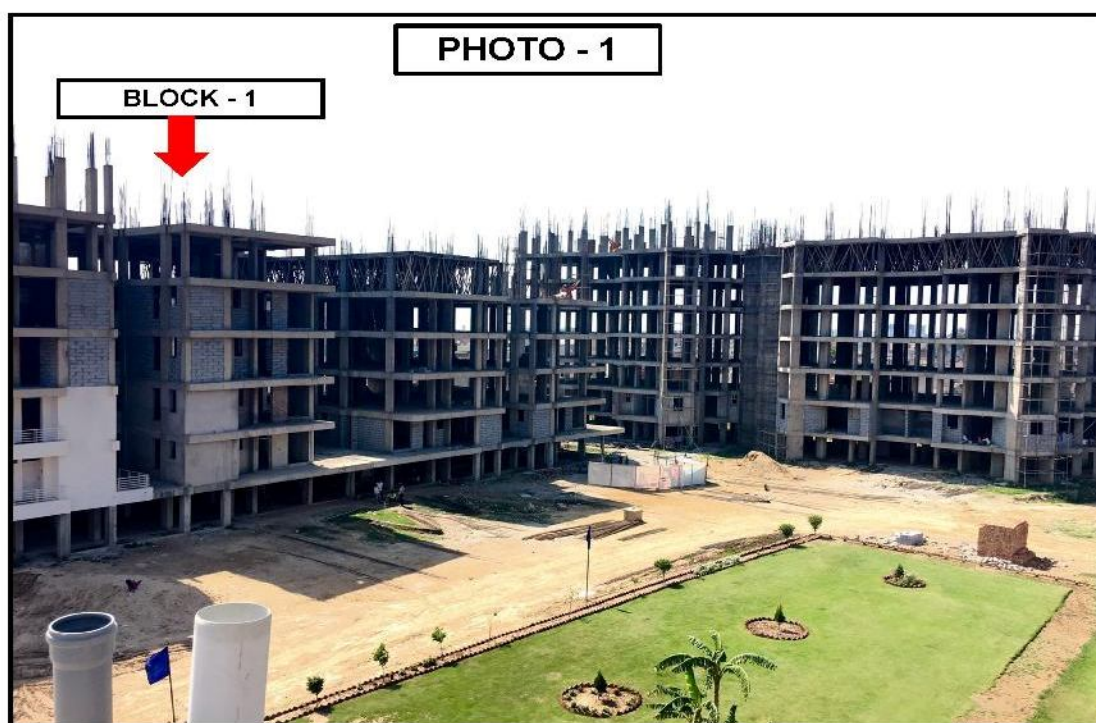
#	Proposed for constructing as per approved drawing	Actual construction done as on 10-03-2016
1	Block -1 ( S+ 9 ) Built up Area = 8595 m <sup>2</sup>	Block -1 ( S+ 5 ) Pl. see <b>Photo-1</b>
2	Block -2 ( S+ 9 ) Built up Area = 7185 m <sup>2</sup>	Block -2 ( S+ 6 ) Pl. see <b>Photo-2</b>
3	EWS Block-3 ( G+ 3 ) Built up Area = 1059 m <sup>2</sup>	EWS Block-3 ( G+ 1 ) Pl. see <b>Photo-3</b>
4	Stilt Area = 2345 m <sup>2</sup>	
5	Total Area = 19186 m <sup>2</sup>	
6	Proposed Block-3 ( S + 9 ) Built up Area = 3982 m <sup>2</sup>	No construction activity



7	Proposed Block-4 ( S + 9 ) Built up Area = 6206 m <sup>2</sup>	No construction activity
8	Non-FAR Area = 1896 m <sup>2</sup>	No construction activity
9	Total Proposed Area = 12084 m <sup>2</sup>	No construction activity

With regard to the question of any construction activity in the proposed project expansion, it is categorically added that there is no construction activity, whatsoever, seen at the project site during the visit to the project site. Pl see **Photo-4**.

### DOCUMENTARY PROOFS





**PHOTO - 2**



**PHOTO - 3**





(Dr. Akepati Sivarami Reddy)

Member

(Malvinder Singh)

Member

## **Visit report of Project Emerging Height-III being developed by M/s Emerging India Housing Corp (P) LTD at Village Santemajra, Kharar**

Application for obtaining Environmental Clearance under EIA Notification dated 14.09.2006 for Expansion of a group housing project namely "Emerging Heights III" at village Santemajra, Kharar, by M/s Emerging India Housing Corp (P) LTD.

Earlier, M/s Emerging India Housing Corp (P) LTD. was granted environmental clearance vide letter no. 3255 dated 05.06.2015 for construction of a housing project namely "Emerging Heights III" in an area of 15175.37 sqm having total built up area 30350.74 sqm in the revenue estate, Santemajra, Kharar, Tehsil Kharar, Distt. S.A.S. Nagar. Now, M/s Emerging India Housing Corp (P) LTD. applied for obtaining the Environmental Clearance under EIA notification dated 14.09.2006 for expansion of a group housing project namely ""Emerging Heights III" at Kharar. The project is covered under category 8 (a) of the Schedule appended to the said notification. The total land area of the project after expansion was proposed to be 15175.37 sqm and the total built up area 33840.4 sqm with total no. of flats as 319 and 10 shops. No construction has been started for the expansion project and only the number of storey are going to be increased as no additional block/ tower is to be constructed

<b>Pre- Construction Phase</b>		
S.No.	Compliance Required	Action Taken
(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.	NOC from PPCB has been obtained copy enclosed.
(ii)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Provided, photographs attached.
(iii)	A first aid room will be provided in the project both during construction and operation phase of the project.	First aid box provided photographs attached.

(vi)	The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightning.	Structural safety and NOC from fire department has been obtained by PP copy enclosed.
(v)	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.	No labour camp at site photographs of toilets attached provided for the labour.

### Construction Phase

S.No.	Compliance Required	Action Taken
(i)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Used in the green area photographs of the green area are attached.
(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.	No muck observed at site.
(iii)	Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses and the dump sites for such material must be secured, so that they should not leach into the groundwater.	No material observed but the PP ensures to comply with the condition.
(iv)	Construction/provision of the STP, 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	STP is under construction, no DG set observed at site.
(v)	Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and	Valid PUC are attached.



	should conform to applicable air and noise emission standards.	
(vi)	Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	Test reports attached.
(vii)	Fly ash should be used as construction material 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 (This condition is applicable only if the project is within 100 Km of Thermal Power Station).	Fly ash is being mixed in RMC. Copy enclosed.
(viii)	Ready mixed concrete should be used in building construction as far as possible.	RMC is being used by PP, copy of bills attached.
(ix)	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.	Using RMC and curing agents are used.
(x)	The project proponent shall adopt dual plumbing system for reuse of treated wastewater for flushing system & HVAC etc.	The work is under progress no plumbing system has been started ensured by the PP to provide the Dual plumbing.
(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.	No plumbing system has been started ensured by PP to provide the same
(xii)	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.	No work started ensured by PP to comply with the condition.
(xiii)	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.	Structural safety and NOC from fire department has been obtained by PP copy enclosed
(xiv)	The diesel generator sets to be used during	No DG sets provided at

	construction phase should be of low sulphur diesel type and should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.	site.															
xv	<p>The Project proponent will adopt dual plumbing system for reuse of treated wastewater for flushing system and HVAC purpose etc. And colour coding of different pipe lines carrying water/wastewater/treated wastewater as follows;</p> <table> <tr> <td>a.</td><td>Fresh water</td><td>Blue</td></tr> <tr> <td>b.</td><td>Untreated wastewater</td><td>Black</td></tr> <tr> <td>c.</td><td>Treated wastewater (for reuse)</td><td>Green</td></tr> <tr> <td>d.</td><td>Treated wastewater (for discharge)</td><td>Yellow</td></tr> <tr> <td>e.</td><td>Storm water</td><td>Orange</td></tr> </table>	a.	Fresh water	Blue	b.	Untreated wastewater	Black	c.	Treated wastewater (for reuse)	Green	d.	Treated wastewater (for discharge)	Yellow	e.	Storm water	Orange	No plumbing system has been started ensured by PP to provide the same
a.	Fresh water	Blue															
b.	Untreated wastewater	Black															
c.	Treated wastewater (for reuse)	Green															
d.	Treated wastewater (for discharge)	Yellow															
e.	Storm water	Orange															
xvi	The installation of Sewerage treatment Plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forest/State Level Environment Impact Assessment Authority before the project is commissioned for operation.	STP civil work under progress.															

### Operation Phase

S.No.	Compliance Required	Action Taken
(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 MOEF/ SEIAA before the start of operation.	No occupancy has been stated at site. PP ensured to comply with the condition.
(ii)	The project proponent shall discharges not more than 81 KLD wastewater into sewer during summer season, 81 KLD wastewater into sewer during winter season and 97 KLD wastewater into sewer during rainy season.	No occupancy has been stated at site. PP ensured to comply with the condition.
(iii)	The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline	No occupancy has been stated at site. PP ensured to comply with

	to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.	the condition.
(iv)	The position / location of the STP, tube well, DG Sets , Utilities etc, installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.	PP ensured to comply with the condition.
(v)	Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex	PP ensured to comply with the condition.
(vi)	Adequate treatment facility for drinking water shall be provided, if required.	PP ensured to comply with the condition. Ground water report attached
(vii)	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. The open space inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.	PP ensured to comply with the condition. Some green belt has been provided by PP photographs attached
(viii)	The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.	PP ensured to comply with the condition. Analysis reports has been submitted by PP
(ix)	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.	PP ensured to comply with the condition.
(x)	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about machinery	PP ensured to comply with the condition.

	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 SPCB/SEIAA three months time.	
(xi)	Environment Management Cell should be formed during operation phase which will supervise and monitor the environment related aspects of the project.	PP ensured to comply with the condition.
(xii)	Ambient noise levels should confirm to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	Analysis reports has been submitted by PP
(xiii)	Separation of drinking and treated water supply should be done by different colours.	No plumbing system has been started ensured by PP to provide the same
(xiv)	Fixtures of showers, toilets flushing and drinking should be low flow either by use of aerators or pressure reducing devices or sensors based control.	No plumbing system has been started ensured by PP to provide the same

#### **IV. Entire life**

S.No.	Compliance Required	Action Taken
(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 MOEF/ SEIAA before the start of operation.	No occupancy has been stated at site. PP ensured to comply with the condition
(ii)	The project proponent shall discharges not more than 81 KLD wastewater into sewer during summer season, 81 KLD wastewater into sewer during winter season and 97 KLD wastewater into sewer during rainy season.	No occupancy has been stated at site. PP ensured to comply with the condition
(iii)	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	No occupancy has been stated at site. PP ensured to comply with the condition



	back into the system for flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.	
(iv)	The position / location of the STP, tube well, DG Sets , Utilities etc, installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.	PP ensured to comply with the condition
(v)	Rainwater harvesting for rooftop run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the ground water recharging system after adequate treatment as per the CGWA guidelines.	No plumbing or laying of any type of services has been started at site. PP ensured to comply with the condition
(vi)	Chute system shall be provided for collection of solid waste. The solid waste generation should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inert shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior approval of competent authority should be obtained, if required.	The chute system has not been provided in the existing three towers which has been started but PP ensured to provide rest of five towers.
(vii)	Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.	PP ensured to comply with the condition
(viii)	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored.	An analysis report has been submitted.
(ix)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	No traffic congestion observed.
(x)	The approval of the competent authority shall be	Structural safety and

	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.	NOC from fire department has been obtained by PP copy enclosed
<b>PART –B - General Conditions:-</b>		
<b>(A) Pre- Construction phase</b>		
S.No.	Compliance Required	Action Taken
(i)	This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.	The PP has noted the compliance
(ii)	The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.	The PP has noted the compliance
(iii)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.	Permission from Fire department, Civil aviation, NOC regarding sewer, garbage and NOC from PPCB has been obtained by PP
(iv)	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.	Complied, copy enclosed

(v)	These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	The PP has noted the compliance
(vi)	The project proponent shall obtain permission from CGWA for abstraction of groundwater & digging of bore well(s) and shall not abstract any ground water without prior permission of the CGWA even if any bore well(s) exist at site.	PP ensured to comply.
(vii)	The project shall obtain CLU from the competent authority, if any authority insists.	PP submitted that the CLU is not applicable.
(viii)	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.	PP ensured to comply
(ix)	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.	The PP has noted the compliance
(x)	Any appeal against this environment 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.	The PP has noted it.
<b>(B) Construction Phase</b>		
S.No.	Compliance Required	Action Taken
(i)	The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment	The PP has noted the compliance

	Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.	
(ii)	The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.	The PP has noted the compliance and ensured that all the cost on EMP will bear by PP till it hand over the society.
(iii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.	The PP has noted the compliance
(iv)	Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.	The PP has noted the compliance
(v)	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.	The PP has noted the compliance and submitted for revision of the project.
(vi)	Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.	No plumbing work started at site. PP ensured to comply with the condition

(vii)	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or at least minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.	The PP has noted the compliance
(viii)	The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.	The PP has noted the compliance
(ix)	Separation of drinking water supply and treated sewage supply should be done by the use of dual plumbing line.	No plumbing work started at site. PP ensured to comply with the condition
(x)	Any appeal against this environment 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.	The PP has noted the compliance

### III Operation Phase

i)	The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.	The PP has noted the compliance and ensured that all the cost on EMP will bear by PP till it hand over the society.
ii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by	PP ensured to comply with the condition.

	mail) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab.	
iii)	Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh and State Level Environment Impact Assessment Authority, Punjab.	The PP has noted the compliance
iv)	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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The PP has noted the compliance
v)	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or at least minimum required to be spent under the provisions of the Companies Act 1956 whichever is higher.	The PP has noted the compliance
vi)	The State Environment Impact Assessment	The PP has noted the

	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.	compliance
vii)	Any appeal against this environment 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.	The PP has noted the compliance

#### IV Entire Life

Condition no.	Compliance required	Action Taken
(i)	Environmental Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ petition (Civil) No. 460 of 2004 as may be applicable to this project and decision of any Competent Court, to the extent applicable.	The PP has noted it.
(ii)	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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The PP has noted the compliance

(iii)	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or at least minimum required to be spent under the provisions of the Companies Act 1956, Whichever is higher.	PP has given 3 Lacs to the Saheed Parivars at Pathankot Blood donation camp Free scholar ships to students
(iv)	The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.	The PP has noted the compliance and ensured that all the cost on EMP will bear by PP till it hand over the society.
(v)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA.	The PP has noted the compliance.
(vi)	Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards Should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority Should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, and	The PP has noted the compliance.



	Chandigarh/State Level Environment Impact Assessment Authority Punjab.	
(vii)	The State Environment Impact Assessment Authority 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.	The PP has noted the compliance.
(viii)	Any appeal against this environment 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.	The PP has noted it.



## **NOC PPCB**

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*Emerging heights -iii developed by m/s emerging india housing corp. (p) ltd, Santemajra, kharar,  
Kharar, Sas nagar*

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### **PUNJAB POLLUTION CONTROL BOARD**

ZONAL OFFICE-I, PATIALA

Website:- www.ppcb.gov.in



No :R15SASCTE2694447

Registered

Date :25/09/2015

**To**

M/s Emerging heights -iii developed by m/s emerging india housing corp. (p) ltd  
Santemajra, kharar  
Kharar  
140301  
Tehsil: Kharar  
District: Sas nagar

**Subject:-** Extension in validity of 'consent to establish' (NOC) no. ZP-I/SAS Nagar  
/NOC/2013/F-349 dated 20/6/2013 granted under the provisions of the Water  
(Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of  
Pollution) Act, 1981.

Reference No :R15SASCTE2694447

Application No :2694447

Date :25/09/2015

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 validity of 'consent to establish' (NOC) no. ZP-I/SAS Nagar /NOC/2013/F-349 dated 20/6/2013 granted to the project proponent under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981, is hereby extended upto 19/06/2016 with the same conditions and additional conditions mentioned therein.  
All other contents shall remain unchanged. This letter be appended with the original NOC no. ZP-I/SAS Nagar /NOC/2013/F-349 dated 20/6/2013 issued to the project proponent vide letter no. 4655 dated 20/6/2013 under the Water Act, 1974 & Air Act, 1981.

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 and necessary action.

for & on behalf of

Pb. Pollution Control Board





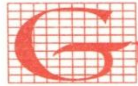
Toilet



## First aid box



## Structural Certificate



**Gupta Associates**

94171-29984 Mob.  
0175-2213534 (Off.)  
2215295 (Resi.)

• Architectural Consultants • Engineers • Interior Decorators • Industrial Designers • Valuer

**Approved by : Puda, Improvement Trust, Focal Points (PSIEC), Banks etc.**

Ref. No. EH/2013/2014-25/5/1-2

Dated \_\_\_\_\_

### TO WHOM IT MAY CONCERN

It is certified that the Structural Design of the proposed Emerging Heights-3 at Village Santemajra, Teh. Kharar, Sector-115, S.A.S. Nagar / Mohali (Punjab) is safe upto 9 Storeys as per latest guidelines / codes provided by ISI.

  
For Gupta Associates

SCO-2, Rose Garden Market, Near Bus Stand, PATIALA - 147 001 (Pb.)



## FIRE NOC

ਫੋਨ: 0172-2225902

101

ਸਹਾਇਕ ਮੰਡਲ ਫਾਇਰ ਅਫਸਰ, ਫਾਇਰ ਸਟੇਸ਼ਨ, ਐਸ.ਏ.ਐਸ. ਨਗਰ

ਨੰਬਰ: 52

ਮਿਤੀ: 10/2/21

ਸੇਵਾ ਵਿਖੇ

M/s Emerging India

Housing Corporation (P) Ltd

Sec. 01 48-47 1st Floor Sec. 9D

Near Mattla Chowk, Madhya Marg  
Chandigarh

ਵਿਸ਼ਾ :-

ਅੱਗ ਬੁਝਾਊ ਪ੍ਰਬੰਧਾਂ ਸਬੰਧੀ ਇਤਰਾਜ਼ਹੀਣਤਾ ਸਰਟੀਫਿਕੇਟ (ਐਨ.ਓ.ਸੀ.) ਗੀਨਿਊ ਕਰਨ ਬਾਰੇ।

ਹਵਾਲਾ :-

ਆਪ ਦਾ ਪੱਤਰ ਨੰਬਰ ..... ਮਿਤੀ 30/12/20 ਦੇ ਸਬੰਧ ਵਿੱਚ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸਬੰਧ ਵਿੱਚ ਆਪ ਜੀ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਇਸ ਦਫਤਰ ਦੇ ਅਧਿਕਾਰੀਆਂ ਵੱਲੋਂ ਆਪ ਦੇ ਉਕਤ Will. Santa Maria Group Housing Project ਇਸਪੈਕਸ਼ਨ ਕੀਤੀ ਗਈ। ਇਸਪੈਕਸ਼ਨ ਦੌਰਾਨ ਚੈਕ ਕਰਨ ਤੇ ਪਾਇਆ ਗਿਆ ਕਿ ਮੁੱਢਲੀ ਅੱਗ ਬੁਝਾਊ ਦੇ ਪ੍ਰਬੰਧ ਕੀਤੇ ਹੋਏ ਹਨ। ਸਬੰਧਤਾਂ ਦੀ ਇਹ ਆਪਣੀ ਪੂਰਨ ਜ਼ਿੰਮੇਵਾਰੀ ਹੈ ਕਿ ਉਹ ਉਸ ਦੇ ਅਹਾਤੇ ਅੰਦਰ ਅੱਗ ਬੁਝਾਊ ਸਬੰਧੀ ਟਰੇਨਿੰਗ ਅਪਰੇਸ਼ਨ ਆਪਣੇ ਸਟਾਫ਼/ਵਰਕਰਾਂ ਨੂੰ ਆਪਣੇ ਪੱਧਰ ਤੇ ਦੇਵੇ। ਇਸ ਲਈ ਇਸ ਇਮਾਰਤ ਵਿੱਚ ਲੱਗੇ ਹੋਏ ਸਾਰੇ ਮੁੱਢਲੇ ਪੋਰਟੇਬਲ ਅੱਗ ਬੁਝਾਊ ਪ੍ਰਬੰਧਾਂ ਸਬੰਧੀ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ। ਫਾਇਰ ਸਟੇਸ਼ਨ ਦੇ ਅਧਿਕਾਰੀਆਂ ਦੀ ਕਦੀ ਵੀ ਅਤੇ ਕਿਸੇ ਸਮੇਂ ਵੀ ਅਚਨਚੇਤੀ ਪੜਤਾਲ ਦੌਰਾਨ ਜੇਕਰ ਇਨ੍ਹਾਂ ਅੱਗ ਬੁਝਾਊ ਪ੍ਰਬੰਧਾਂ ਵਿੱਚ ਕੋਈ ਕਮੀ ਪਾਈ ਗਈ ਜਾਂ ਜ਼ਰੂਰਤ ਪੈਣ ਤੇ ਕੰਮ ਨਾ ਆਉਣ ਦੀ ਸੂਰਤ ਵਿੱਚ ਇਸ ਇਤਰਾਜ਼ਹੀਣਤਾ ਸਰਟੀਫਿਕੇਟ ਨੂੰ ਬਿਨਾਂ ਕਿਸੇ ਨੋਟਿਸ ਤੋਂ ਕੈਂਸਲ ਸਮਝਿਆ ਜਾਵੇਗਾ ਅਤੇ ਆਪ ਦੇ ਖਿਲਾਫ ਪੰਜਾਬ ਫਾਇਰ ਸਰਵਿਸ ਦੇ ਰੂਲਾਂ ਦੇ ਤਹਿਤ ਬਣਾਏ ਗਏ ਨਾਰਮਜ਼ ਅਨੁਸਾਰ ਅਗਲੀ ਕਾਰਵਾਈ ਅਮਲ ਵਿੱਚ ਲਿਆਂਦੀ ਜਾਵੇਗੀ। ਇਸ ਸਰਟੀਫਿਕੇਟ ਦੀ ਮਿਆਦ ਜਾਰੀ ਹੋਣ ਤੋਂ ਇੱਕ ਸਾਲ ਦੀ ਹੋਵੇਗੀ ਅਤੇ ਮਿਆਦ ਖਤਮ ਹੋਣ ਤੇ ਪ੍ਰਬੰਧਕਾਂ ਦੀ ਇਹ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ ਕਿ ਇਸ ਸਰਟੀਫਿਕੇਟ ਨੂੰ ਗੀਨਿਊ ਕਰਵਾਇਆ ਜਾਵੇ।

ਸਹਾਇਕ ਮੰਡਲ ਫਾਇਰ ਅਫਸਰ,  
ਫਾਇਰ ਸਟੇਸ਼ਨ,  
ਐਸ.ਏ.ਐਸ. ਨਗਰ।



## Green area



**STP photograph**





## PUC certificate

2892/STA Chd.—Govt. Press, U.T., Chd.

**STATE TRANSPORT AUTHORITY, U.T., CHANDIGARH**

Sr. No. :- **0055698** प्रदूषण नियंत्रित प्रमाणपत्र  
POLLUTION UNDER CONTROL CERTIFICATE (DIESEL)

प्रमाण पत्र संख्या  
Pucc No. **013791**

वाहन पंजीकरण संख्या  
Vehicle Reg. No. **HR49G A0294**

मेक  
Make **EICHER**

माडल  
Model **LMV**

वर्ग  
Category **Truck**

निर्माण की तिथि  
Date of manufacture **27/12/98**

ईंधन  
Fuel **Diesel**

दिनांक  
Date

समय  
Time

वैधता  
Valid upto

प्रमाणित किया जाता है कि  
इस वाहन का HSU/K  
नियम ए 1989 के नियम  
115 (2) में निर्धारित स्तर  
के अनुसार है।

यदि आपको कोई  
शिकायत या टिप्पणी है तो  
कृपया सचिव, राज्य परिवहन  
प्राधिकरण UT चण्डीगढ़ को  
लिखें।

In case of any  
Comments/complaint  
please write to Secretary,  
State Transport Authority,  
U.T., Chandigarh

Flushing Cycle Mean RPM Min 0716 Max 3500

S.No.	RPM(Min)	RPM(Max)	K m-1	HSU%	Temp
1.	0715	3540	1.00	51.3	0069
2.	0780	3390	1.18	47.9*	0070
3.	705	3439	1.17	47.7 *	0070
4.	0770	3526	1.23	46.0 *	0074
5.	0721	3631	1.19	48.6 *	0071
6.					
7.					
8.					
9.					
10.					
Mean		PASS	1.18	47.3	

HR49  
GA0294

Authorised Signature  
State Transport Authority,  
U.T., Chandigarh



# POLLUTION CONTROL CHECK CERTIFICATE

प्रदूषण नियंत्रित प्रमाणपत्र

LIC NO. 3484/STA/08

Authorised By : STATE TRANSPORT AUTHORITY  
CHANDIGARH ADMINISTRATION

No.

प्रमाण पत्र संख्या  
Pucc No. Pb. 3484D-0000-0000330  
वाहन पंजीकरण संख्या  
Vehicle Reg. No. HR68A0406

ब्रेक  
Make SWARAJ MAZDA

मॉडल  
Model Canter

वर्ग  
Category Tempo

वर्ष  
Year 2004

इंजन  
Fuel Diesel

दिनांक  
Date 24/06/2015

समय  
Time 08:53:02 AM

वैधता  
Valid upto 23/12/2015

Valid for Six Months  
Valid for Three Months in Delhi

प्रमाणित किया जाता है कि  
इस वाहन का Co, उत्सर्जन  
स्तर के भी वा नियम 2001  
के नियम 170 E (2) में

निर्धारित स्तर के अनुसार  
है। यदि आपकी कोई  
शिकायत या टिप्पणी है  
तो कृपया एस टी ए चण्डीगढ़  
यू.टी से सम्पर्क करें।  
In Case of any complaint  
/STA Chandigarh U.T.

हस्ताक्षर  
Authorised Signatory

HSU = 65% OR K - 2.45 1/M

Flush ing Cycle		Avq		RPM Min		RPM Max		Km <sup>-1</sup>		HSU %		Temp	
S.No.		RPM Min		RPM Max		Km <sup>-1</sup>		HSU %		Temp			
1		00392		02611		000.9		27.11		064			
2		00636		02588		000.9		30.92		066			
3		00532		02620		000.9		28.14		061			
4		00581		02647		000.9		29.66		070			
5		00524		02639		000.9		30.14		065			
6		00630		02601		000.9		29.71		060			
Mean				Pass		0.90		29.3					



**MANN FILLING STATION**  
Sector 49-B, CHANDIGARH

# SUKHNA AUTOMOBILES (PETROL PUMP)

SECTOR 28-C, CHANDIGARH

Authorised By : STA U.T., Chandigarh

023303 POLLUTION UNDER CONTROL CERTIFICATE (DIESEL)

प्रमाण पत्र संख्या  
Pucc No.

वाहन पंजीकरण संख्या  
Vehicle Reg. No.

ब्रेक  
Make

मॉडल  
Model

वर्ग  
Category

निर्माण की तिथि  
Date of Manufacture

ईंधन  
Fuel

दिनांक  
Date

समय  
Time

वैधता  
Valid upto

प्रमाणित किया जाता है कि इस  
वाहन का HSU/K नियम ए  
1989 के नियम 115(2) में  
निर्धारित स्तर के अनुसार है।

यदि आपको कोई  
शिकायत या टिप्पणी है तो कृपया  
सचिव, राज्य परिवहन प्रधिकरण  
UT चण्डीगढ़ को लिखें।

In case of any  
comments/complaint  
please write to  
Secretary State  
Transport Authority  
U.T. Chandigarh

Flushing Cycle Mean RPM Min 0716 Max 3500

S.No.	RPM(Min)	RPM(Max)	K m-1	HSU%	Temp
1.	0750	3678	1.00	63.0	0069
2.	0735	3567	1.21	40.6*	0070
3.	689	3486	1.17	39.4*	0070
4.	0727	3654	1.23	34.2*	0074
5.	0754	3526	1.19	38.9 *	0071
6.					
7.					
8.					
9.					
10.					
Mean		PASS	1.18	38.8	





For Sukhna Automobiles

SUKHNA AUTOMOBILES  
PETROL PUMP



## RMC Bills

### DELIVERY NOTE

PUNJAB CONCRETE AND CONSTRUCTIONS PVT. LTD. C-151, PHASE-VII, INDUSTRIAL AREA, MOHALI PUNJAB						
TIN : 03942105503		Range	CHANDIGARH-I, MOHALI-I/SCF-57, PHASE-V, MOHALI, PUNJAB			
Excise Regn No : AAGCP5379NEM001		Division	CENTRAL EXCISE DIVISION CHANDIGARH/19			
		Commissionerate	CENTRAL REVENUE BULDING, SECTOR 17 E			
			CENTRAL EXCISE DIVISION CHANDIGARH/19			
			CENTRAL REVENUE BULDING, SECTOR 17 E			
BUYER : Emerging India Housing Corporation (P) Ltd.		Delivery Note No	Dated			
SEC-115, KHUNI MAZRA ROAD, SANTA MAZRA, MOHALI		7536	2016-02-28			
TIN : N/A		Buyer's Order No.	Dated			
		n/a	n/a			
Site Address : E.H.3		Despatched through	Time of Despatch			
SEC-115, KHUNI MAZRA, SANTA MAZRA, MOHALI		By Road	3:38:43 PM			
		Vehical no	Name of Driver			
		PB02AZ-9479	SANDEEP			
Sno	Description of goods	Concrete Grade	Quantity	Rate	Per	Amount
1	M-20	M-20	6.00	3259.39	CUM	19556.34
	EXCISE DUTY				2	391.13
	Vat				14.30	2852.49
Total			6.00		CUM	22799.96
Amount in words: twenty two thousand eight hundred						
Time at Site :		Return from Site : .....				
Slump at Plant : 0.00		Slump at Site : .....				
Cumulative Quantity with this load :		24.00				
Recd. In Good Condition		For Punjab Concrete and Constructions Pvt. Ltd.				
						



# MCI 70 N Control System Ver 3.0

SCHWING  
Stetter

## Docket / Batch Report / Autographic Record

Batch Date : 28-Feb-2016  
Batch Start T : 3:24:32 PM  
Batch End Ti : 3:38:43 PM

Plant Serial Number : CP30

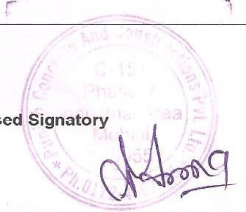
Batch Number / Docket Number : 11092  
Customer : Emerging India Housing Corporaton(P)Ltd.EH3  
Site : E.H.3  
Recipe Code : L-4  
Recipe Name : M-20  
Truck Number : PB02AZ-9479  
Truck Driver : SANDEEP  
Order Number :  
Batcher Name : Stetter

Ordered Quantity : 70.00 M<sup>3</sup>  
Production Quantity : 6.00 M<sup>3</sup>  
Adj/Manual Quantity : 0.00 M<sup>3</sup>  
With This Load : 24.00 M<sup>3</sup>  
Mixer Capacity : 0.50 M<sup>3</sup>  
Batch Size : 0.50 M<sup>3</sup>

Aggregate			Cement				Water / Ice		Silica		Admixture	
10MM SAND Moi	20MM	40 MM	CEM1	CEM2	FILL	Water	Wtr / Ice	Silica	ADM1	ADM2		
Targets based on batchsize in Kgs.												
240	356	in %	339	0	110	0	50	93 +/-	0	0	1.28	0.00
Actual in Kgs.												
240	385	11.0	338	0	110	0	50	0	0	48	0	1.28 0.00
235	384	11.0	337	0	110	0	50	0	0	48	0	1.28 0.00
239	379	11.0	335	0	110	0	50	0	0	48	0	1.28 0.00
233	386	11.0	340	0	110	0	50	0	0	48	0	1.28 0.00
240	388	11.0	342	0	110	0	50	0	0	48	0	1.28 0.00
234	385	11.0	336	0	110	0	50	0	0	48	0	1.28 0.00
238	380	11.0	342	0	110	0	50	0	0	48	0	1.28 0.00
247	380	11.0	333	0	110	0	50	0	0	48	0	1.28 0.00
245	395	11.0	335	0	110	0	50	0	0	48	0	1.28 0.00
240	395	11.0	339	0	110	0	50	0	0	48	0	1.28 0.00
246	426	11.0	343	0	110	0	50	0	0	48	0	1.28 0.00
244	435	11.0	344	0	110	0	50	0	0	48	0	1.28 0.00
Total Set Weight in Kgs.												
2880	4272		4068	0	1320	0	600	1116	0	0	15.36	0.00
Total Actual in Kgs.												
2881	4718		4064	0	1320	0	600	0	576	0	15.36	0.00

**DELIVERY NOTE**

**PUNJAB CONCRETE AND CONSTRUCTIONS PVT. LTD.  
C-151, PHASE-VII, INDUSTRIAL AREA, MOHALI PUNJAB**

TIN : 03942105503		Range	CHANDIGARH-I, MOHALI-II/SCF-57, PHASE-V, MOHALI, PUNJAB			
Excise Regn No : AAGCP5379NEM001		Division	CENTRAL EXCISE DIVISION CHANDIGARH/19			
		Commissionerate	CENTRAL REVENUE BUILDING, SECTOR 17 E			
			CENTRAL EXCISE DIVISION CHANDIGARH/19			
			CENTRAL REVENUE BUILDING, SECTOR 17 E			
BUYER : Emerging India Housing Corporation (P) Ltd.		Delivery Note No	Dated			
SEC-115, KHUNI MAZRA ROAD, SANTA MAZRA, MOHALI		7537	2016-02-28			
TIN : N/A		Buyer's Order No.	Dated			
		n/a	n/a			
Site Address : E.H.3		Despatched through	Time of Despatch			
SEC-115, KHUNI MAZRA, SANTA MAZRA, MOHALI		By Road	3:58:05 PM			
		Vehicle no	Name of Driver			
		PB02BH-9717	RAM KRISHAN			
Sno	Description of goods	Concrete Grade	Quantity	Rate	Per	Amount
1	M-20	M-20	6.00	3259.39	CUM	19556.34
	EXCISE DUTY				2	391.13
	Vat				14.30	2852.49
<b>Total</b>			<b>6.00</b>		<b>CUM</b>	<b>22799.96</b>
Amount in words: twenty two thousand eight hundred						
Time at Site :		Return from Site : .....				
Slump at Plant : 0.00		Slump at Site : .....				
Cumulative Quantity with this load :		30.00				
Recd. In Good Condition		For Punjab Concrete and Constructions Pvt. Ltd.				
						





MCI 70 N Control System Ver 3.0

SCHWING  
Stetter

### Docket / Batch Report / Autographic Record

**Batch Date :** 28-Feb-2016  
**Batch Start T :** 3:45:16 PM  
**Batch End Tii :** 3:58:05 PM

**Plant Serial Number :** CP30

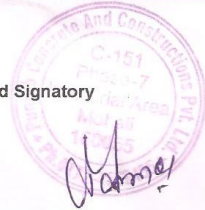
**Batch Number / Docket Number :** 11093  
**Customer :** Emerging India Housing Corporaton(P)Ltd.EH3  
**Site :** E.H.3  
**Recipe Code :** L-4  
**Recipe Name :** M-20  
**Truck Number :** PB02BH-9717  
**Truck Driver :** RAM KRISHAN  
**Order Number :** Emerging India Housing Corporaton(P)Ltd.EH3  
**Batcher Name :** Stetter

**Ordered Quantity :** 70.00 M³  
**Production Quantity :** 6.00 M³  
**Adj/Manual Quantity :** 0.00 M³  
**With This Load :** 30.00 M³  
**Mixer Capacity :** 0.50 M³  
**Batch Size :** 0.50 M³

Aggregate			Cement				Water / Ice		Silica	Admixture			
10MM SAND	Moi	20MM	40 MM	CEM1	CEM2	FILL	Water		Wtr / Ice	Silica	ADM1	ADM2	
Targets based on batchsize in Kgs.													
240	356	in %	339	0	110	0	50	93 +/-	0	0	1.28	0.00	
Actual in Kgs.													
241	384	11.0	337	0	110	0	50	0	0	48	0	1.28	0.00
235	384	11.0	338	0	110	0	50	0	0	48	0	1.28	0.00
239	379	11.0	340	0	110	0	50	0	0	48	0	1.28	0.00
233	386	11.0	342	0	110	0	50	0	0	48	0	1.28	0.00
242	390	11.0	346	0	110	0	50	0	0	48	0	1.28	0.00
234	385	11.0	336	0	110	0	50	0	0	48	0	1.28	0.00
238	380	11.0	342	0	110	0	50	0	0	48	0	1.28	0.00
238	380	11.0	334	0	110	0	50	0	0	48	0	1.28	0.00
245	394	11.0	335	0	110	0	50	0	0	48	0	1.28	0.00
249	395	11.0	339	0	110	0	50	0	0	48	0	1.28	0.00
240	426	11.0	345	0	110	0	50	0	0	48	0	1.28	0.00
238	436	11.0	345	0	110	0	50	0	0	48	0	1.28	0.00
Total Set Weight in Kgs.													
2880	4272		4068	0	1320	0	600	1116	0	0	15.36	0.00	
Total Actual in Kgs.													
2872	4719		4079	0	1320	0	600	0	576	0	15.36	0.00	

10

**DELIVERY NOTE**

<b>PUNJAB CONCRETE AND CONSTRUCTIONS PVT. LTD.</b> <b>C-151, PHASE-VII, INDUSTRIAL AREA, MOHALI PUNJAB</b>						
<b>TIN</b> : 03942105503 <b>Excise Regn No</b> : AAGCP5379NEM001		<b>Range</b> <b>Division</b> <b>Commisionarate</b>		<b>CHANDIGARH-I, MOHALI-I/SCF-57, PHASE-V, MOHALI, PUNJAB</b> <b>CENTRAL EXCISE DIVISION CHANDIGARH/19</b> <b>CENTRAL REVENUE BULDING, SECTOR 17 E</b> <b>CENTRAL EXCISE DIVISION CHANDIGARH/19</b> <b>CENTRAL REVENUE BULDING, SECTOR 17 E</b>		
<b>BUYER : Emerging India Housing Corporation (P) Ltd.</b> <b>SEC-115, KHUNI MAZRA ROAD, SANTA MAZRA, MOHALI</b> <b>TIN : N/A</b> <b>Site Address : E.H.3</b> <b>SEC-115, KHUNI MAZRA, SANTA MAZRA, MOHALI</b>		<b>Delivery Note No</b> <b>7542</b> <b>Buyer's Order No.</b> <b>n/a</b> <b>Despatched through</b> <b>By Road</b> <b>Vehical no</b> <b>PB02AZ-9479</b>		<b>Dated</b> <b>2016-02-28</b> <b>Dated</b> <b>n/a</b> <b>Time of Despatch</b> <b>6:07:26 PM</b> <b>Name of Driver</b> <b>SANDEEP</b>		
<b>Sno</b>	<b>Description of goods</b>	<b>Concrete Grade</b>	<b>Quantity</b>	<b>Rate</b>	<b>Per</b>	<b>Amount</b>
1	M-20	M-20	6.00	3259.39	CUM	19556.34
	EXCISE DUTY				2	391.13
	Vat				14.30	2852.49
<b>Total</b>			<b>6.00</b>		<b>CUM</b>	<b>22799.96</b>
<b>Amount in words: twenty two thousand eight hundred</b>						
<b>Time at Site :</b> ..... <b>Return from Site :</b> ..... <b>Slump at Plant : 0.00</b> ..... <b>Slump at Site :</b> ..... <b>Cummulative Quantity with this load :</b> ..... <b>60.00</b> <b>Recd. In Good Condition</b> ..... <b>For Punjab Concrete and Constructions Pvt. Ltd.</b>						
			<b>Authorised Signatory</b> 			

SCHWING  
Stetter

**Docket / Batch Report / Autographic Record**

**Batch Date :** 28-Feb-2016  
**Batch Start T :** 5:52:26 PM  
**Batch End Ti :** 6:07:26 PM


**Plant Serial Number :** CP30

**Batch Number / Docket Number :** 11098  
**Customer :** Emerging India Housing Corporaton(P)Ltd.EH3  
**Site :** E.H.3  
**Recipe Code :** L-4 \*  
**Recipe Name :** M-20  
**Truck Number :** PB02AZ-9479  
**Truck Driver :** SANDEEP  
**Order Number :** Emerging India Housing Corporaton(P)Ltd.EH3  
**Batcher Name :** Stetter

**Ordered Quantity :** 70.00 M<sup>3</sup>  
**Production Quantity :** 6.00 M<sup>3</sup>  
**Adj/Manual Quantity :** 0.00 M<sup>3</sup>  
**With This Load :** 60.00 M<sup>3</sup>  
**Mixer Capacity :** 0.50 M<sup>3</sup>  
**Batch Size :** 0.50 M<sup>3</sup>

Aggregate			Cement				Water / Ice			Silica	Admixture		
10MM SAND	Moi	20MM	40 MM	CEM1	CEM2	FILL	Water		Wtr / Ice	Silica	ADM1	ADM2	
Targets based on batchsize in Kgs.													
240	356	in %	339	0	110	0	50	93 +/-	0	0	1.28	0.00	
Actual in Kgs.													
240	389	11.0	335	0	110	0	50	0	0	48	0	1.28	0.00
238	385	11.0	336	0	110	0	50	0	0	48	0	1.28	0.00
235	386	11.0	339	0	110	0	50	0	0	48	0	1.28	0.00
235	386	11.0	344	0	110	0	50	0	0	48	0	1.28	0.00
240	390	11.0	342	0	110	0	50	0	0	48	0	1.28	0.00
233	392	11.0	335	0	110	0	50	0	0	48	0	1.28	0.00
238	386	11.0	333	0	110	0	50	0	0	48	0	1.28	0.00
235	385	11.0	338	0	110	0	50	0	0	48	0	1.28	0.00
244	395	11.0	339	0	110	0	50	0	0	48	0	1.28	0.00
248	410	11.0	340	0	110	0	50	0	0	48	0	1.28	0.00
245	407	11.0	342	0	110	0	50	0	0	48	0	1.28	0.00
244	419	11.0	345	0	110	0	50	0	0	48	0	1.28	0.00
Total Set Weight in Kgs.													
2880	4272		4068	0	1320	0	600	1116	0	0	15.36	0.00	
Total Actual in Kgs.													
2875	4730		4068	0	1320	0	600	0	576	0	15.36	0.00	

**DELIVERY NOTE**

<b>PUNJAB CONCRETE AND CONSTRUCTIONS PVT. LTD.</b> <b>C-151, PHASE-VII, INDUSTRIAL AREA, MOHALI PUNJAB</b>						
TIN : 03942105503 Excise Regn No : AAGCP5379NEM001		Range Division Commisionarate	CHANDIGARH-I, MOHALI-I/SCF-57, PHASE-V, MOHALI, PUNJAB CENTRAL EXCISE DIVISION CHANDIGARH/19 CENTRAL REVENUE BULDING, SECTOR 17 E CENTRAL EXCISE DIVISION CHANDIGARH/19 CENTRAL REVENUE BULDING, SECTOR 17 E			
BUYER : Emerging India Housing Corporation (P) Ltd. SEC-115, KHUNI MAZRA ROAD, SANTA MAZRA, MOHALI TIN : N/A  Site Address : E.H.3 SEC-115, KHUNI MAZRA, SANTA MAZRA, MOHALI		Delivery Note No	Dated			
		7543	2016-02-28			
		Buyer's Order No.	Dated			
		n/a	n/a			
		Despatched through	Time of Despatch			
		By Road	6:55:41 PM			
		Vehicle no	Name of Driver			
		PB02BH-9717	RAM KRISHAN			
Sno	Description of goods	Concrete Grade	Quantity	Rate	Per	Amount
1	M-20	M-20	6.00	3259.39	CUM	19556.34
	EXCISE DUTY				2	391.13
	Vat				14.30	2852.49
Total			6.00		CUM	22799.96
Amount in words: twenty two thousand eight hundred						
Time at Site :		Return from Site : .....				
Slump at Plant : 0.00		Slump at Site : .....				
Cummulative Quantity with this load :		66.00				
Recd. In Good Condition		For Punjab Concrete and Constructions Pvt. Ltd.				
			Authorised Signatory 			





# MCI 70 N Control System Ver 3.0

SCHWING  
Stetter

## Docket / Batch Report / Autographic Record

Batch Date : 28-Feb-2016  
Batch Start T : 6:41:07 PM  
Batch End T : 6:55:41 PM

Plant Serial Number : CP30

Batch Number / Docket Number : 11099  
Customer : Emerging India Housing Corporaton(P)Ltd.EH3  
Site : E.H.3  
Recipe Code : L-4  
Recipe Name : M-20  
Truck Number : PB02BH-9717  
Truck Driver : RAM KRISHAN  
Order Number : Emerging India Housing Corporaton(P)Ltd.EH3  
Batcher Name : Stetter

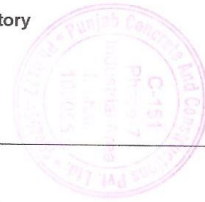
Ordered Quantity : 70.00 M³  
Production Quantity : 6.00 M³  
Adj/Manual Quantity : 0.00 M³  
With This Load : 66.00 M³  
Mixer Capacity : 0.50 M³  
Batch Size : 0.50 M³

Aggregate				Cement				Water / Ice		Silica	Admixture	
10MM SAND Moi	20MM	40MM	CEM1	CEM2	FILL	Water		Wtr / Ice		Silica	ADM1	ADM2
Targets based on batchsize in Kgs.												
240	356	in %	339	0	110	0	50	93 +/-	0	0	1.28	0.00
Actual in Kgs.												
238	390	11.0	336	0	110	0	50	0	0	48	0	1.28 0.00
235	385	11.0	335	0	110	0	50	0	0	48	0	1.28 0.00
235	387	11.0	334	0	110	0	50	0	0	48	0	1.28 0.00
235	388	11.0	345	0	110	0	50	0	0	48	0	1.28 0.00
234	390	11.0	346	0	110	0	50	0	0	48	0	1.28 0.00
234	392	11.0	335	0	110	0	50	0	0	48	0	1.28 0.00
238	382	11.0	332	0	110	0	50	0	0	48	0	1.28 0.00
240	385	11.0	338	0	110	0	50	0	0	48	0	1.28 0.00
244	394	11.0	339	0	110	0	50	0	0	48	0	1.28 0.00
248	410	11.0	342	0	110	0	50	0	0	48	0	1.28 0.00
245	402	11.0	345	0	110	0	50	0	0	48	0	1.28 0.00
250	415	11.0	345	0	110	0	50	0	0	48	0	1.28 0.00
Total Set Weight in Kgs.												
2880	4272		4068		1320	0	600	1116	0	0	15.36	0.00
Total Actual in Kgs.												
2876	4720		4072	0	1320	0	600	0	576	0	15.36	0.00

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DELIVERY NOTE

PUNJAB CONCRETE AND CONSTRUCTIONS PVT. LTD. C-151, PHASE-VII, INDUSTRIAL AREA, MOHALI PUNJAB						
TIN : 03942105503 Excise Regn No : AAGCP5379NEM001		Range Division Commissionerate	CHANDIGARH-I, MOHALI-I/SCF-57, PHASE-V, MOHALI, PUNJAB CENTRAL EXCISE DIVISION CHANDIGARH/19 CENTRAL REVENUE BULDING, SECTOR 17 E CENTRAL EXCISE DIVISION CHANDIGARH/19 CENTRAL REVENUE BULDING, SECTOR 17 E			
BUYER : Emerging India Housing Corporation (P) Ltd. E.H.3 SEC-115, KHUNI MAZRA ROAD, SANTA MAZRA, MOHALI TIN : N/A Site Address : E.H.3 SEC-115, KHUNI MAZRA, SANTA MAZRA, MOHALI		Delivery Note No 7544 Buyer's Order No. n/a Despatched through By Road Vehical no PB65H-8857	Dated 2016-02-28 Dated n/a Time of Despatch 9:30:15 PM Name of Driver GULAB DAS			
Sno	Description of goods	Concrete Grade	Quantity	Rate	Per	Amount
1	M-20	M-20	1.50	3259.39	CUM	4889.085
	EXCISE DUTY				2	97.78
	Vat				14.30	713.12
Total			1.50		CUM	5699.99
Amount in words: five thousand seven hundred						
Time at Site : Return from Site : .....						
Slump at Plant : 0.00 Slump at Site : .....						
Cumulative Quantity with this load : 67.50						
Recd. In Good Condition For Punjab Concrete and Constructions Pvt. Ltd.						
			Authorised Signatory			





# MCI 70 N Control System Ver 3.0

SCHWING  
Stetter

## Docket / Batch Report / Autographic Record

Batch Date : 28-Feb-2016  
Batch Start Time : 9:27:08 PM  
Batch End Time : 9:30:15 PM

Plant Serial Number: CP30

Batch Number / Docket Number : 11100  
Customer : Emerging India Housing Corporation(P)Ltd.EH3  
Site : E.H.3  
Recipe Code : L4  
Recipe Name : M-20  
Truck Number : PB65H-8857  
Truck Driver : GULAB DAS  
Order Number : Emerging India Housing Corporation(P)Ltd.EH3  
Batcher Name : Stetter

Ordered Quantity : 70.00 M  
Production Quantity : 1.50 M  
Adj/Manual Quantity : 0.00 M  
With This Load : 67.50 M  
Mixer Capacity : 0.50 M  
Batch Size : 0.50 M

Aggregate				Cement				Water / Ice		Silica	Admixture	
10MM	SAND	Moi	20MM	AGG4	CEM1	CEM2	FILL	WATER	WAT/I	Silica	ADM1	ADM2
Targets based on batchsize in Kg												
340	356	in %	339	0	110	0	50	93 +/-	0	0	1.28	0.00
Actual in Kgs.												
226	384	11.0	339	0	110	0	50	0 0	52	0	1.36	0.00
236	392	11.0	339	0	113	0	50	0 0	53	0	1.30	0.00
246	406	11.0	339	0	111	0	50	0 0	55	0	1.18	0.00
Total Set Weight in Kgs.												
720	1068		1017	0	330	0	150	279	0	0	3.84	0.00
Total Actual in Kgs.												
708	1182		1017	0	334	0	150	0	160	0	3.84	0.00



## Analysis reports



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

Lab : E-126, Phase-VII, Indl. Area, Mohali-160055; ☎ : 0172-5090312; Telefax : 0172-4669295; E-mail : sital\_cptlmohali@yahoo.co.in, cptle126@gmail.com



MOEF & PPCB APPROVED, ISO 9001:2008  
ISO 18001:2007/ISO 14001:2004 CERTIFIED LABORATORY

### TEST CERTIFICATE

REPORT NO: SC/2015/10/01 (A)

REPORTING DATE: 08.10.2015

NAME OF INDUSTRY: M/s. EMERGING HEIGHTS 3,  
VILLAGE - SANTÉ MAJRA, (KHARAR),  
DISTRICT - SAS NAGAR.

### SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/AAM/06	Type of Sample:	Air Quality
Period of Sampling.:	04-10-2015 to 05-10-2015	Point of Sample:	Project Site
Date of Sample Collection.:	05-10-2015	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/EC/2015/10/02(A)	Analysis Duration:	06-10-2015 to 08-10-2015
Nature of Sample:	Air Sample	Sample Collected By:	Rajiv Arora

### TECHNICAL DATA

1.	Location of sampling station	Project Site
2.	Instrument used for sampling	RDS & FPS
3.	Flow rate of sampling for PM <sub>10</sub>	1.175 m <sup>3</sup> /min
4.	Flow rate of sampling for PM <sub>2.5</sub>	1.0 m <sup>3</sup> /hour
5.	Flow rate of sampling for Gases	0.5 LPM
6.	Time period for sampling	1440 minutes

PARAMETERS	RESULTS	PRESCRIBED STANDARD AS PER NOTIFICATION, 18 <sup>TH</sup> NOVEMBER, 2009	TEST METHOD
Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	74	100	IS: 5182, (P-23), 2006, (RA - 2012)
Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	42.2	60	IS: 5182, (P-23), 2006
Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	24.8	80	IS: 5182, (P-VI), 2006 (RA - 2012)
Sulphur dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	8.6	80	IS: 5182, (P-II), 2001, (RA-2012)
Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	ND	400	APHA Air
Ozone (O <sub>3</sub> ), µg/m <sup>3</sup>	33	100	APHA Air
Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	ND	05	Gas Chromatography
Benzo (a) Pyrene (BaP), ng/m <sup>3</sup>	ND	01	IS : 5182 (Part-12),
Carbon monoxide (CO), mg/m <sup>3</sup>	0.88	4	IS: 5182 (Part-10), 1999, R.2003
Lead (Pb), µg/m <sup>3</sup>	ND	1.0	APHA Air
Nickel (Ni), ng/m <sup>3</sup>	ND	20	APHA Air
Arsenic (As), ng/m <sup>3</sup>	ND	06	APHA Air

(Chemist In-Charge)

Date: 08-10-2015

(Authorized Sign.)

Date: 08/10/2015

- 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.

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# CHANDIGARH POLLUTION TESTING LABORATORY (EFFLUENTS, WATER & AIR)

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

Lab : E-126, Phase-VII, Indl. Area, Mohali-160055; ☎ : 0172-5090312; Telefax : 0172-4669295; E-mail : sital\_cptlmohali@yahoo.co.in, cptle126@gmail.com



MOEF & PPCB APPROVED, ISO 9001:2008  
ISO 18001:2007 ISO 14001:2004 CERTIFIED LABORATORY

## TEST CERTIFICATE

REPORT NO: EH3/2015/10/01(W)

REPORTING DATE: 22-10-2015

NAME OF INDUSTRY: M/s. EMERGING HEIGHTS 3,  
VILLAGE: SANTE MAJRA, KHARAR,  
DISTT- SAS NAGAR.

## SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/SPW/01/DW	Type of Sample:	Grab
Date of Sample Collection.:	16-10-2015	Point of Sample:	From Bore-well, Depth-285 feet.
Date of Sample Received in Lab.:	17-10-2015	Environmental Conditions:	Normal
Sample Identification No.:	CPTL <sub>EC</sub> /2015/10/90(W)	Quantity/Packaging of Sample:	2.0 Litres
Nature of Sample:	Drinking Water	Analysis Duration:	17-10-2015 to 21-10-2015
Description:	Clear, Colorless.	Sample Collected by:	Sandeep Singh

## TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.58	6.5-8.5	No relaxation	APHA-4500H <sup>+</sup> , 22 <sup>nd</sup> Edition
2.	Color, H.U	< 5	5	15	APHA-2020B, 22 <sup>nd</sup> Edition
3.	Odour	Agreeable	Agreeable	Agreeable	APHA-2150B, 22 <sup>nd</sup> Edition
4.	Turbidity, NTU	< 1	1	5	APHA-2130B, 22 <sup>nd</sup> Edition
5.	Total Dissolved Solids, mg/l	436	500	1000	APHA-2540C, 22 <sup>nd</sup> Edition
6.	Total Hardness (as CaCO <sub>3</sub> ), mg/l	70	200	600	APHA-2340B, 22 <sup>nd</sup> Edition
7.	Calcium (as Ca <sup>++</sup> ), mg/l	12	75	200	APHA-3500B, 22 <sup>nd</sup> Edition
8.	Magnesium (as Mg <sup>++</sup> ), mg/l	9.6	30	100	APHA-2340B, 22 <sup>nd</sup> Edition
9.	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l	386.1	200	600	APHA-2320B, 22 <sup>nd</sup> Edition
10.	Chloride (as Cl), mg/l	9.86	250	1000	APHA-4500B, 22 <sup>nd</sup> Edition
11.	Sulphate (as SO <sub>4</sub> ), mg/l	29.9	200	400	APHA-4500E, 22 <sup>nd</sup> Edition
12.	Iron (as Fe), mg/l	0.08	0.3	No relaxation	APHA-3111B, 22 <sup>nd</sup> Edition
13.	Zinc (as Zn), mg/l	ND	5	15	APHA-3030D, 22 <sup>nd</sup> Edition
14.	Nitrate (as NO <sub>3</sub> ), mg/l	ND	45	No relaxation	IS: 3025(Part-34), 1986
15.	Chromium (as Cr), mg/l	ND	0.05	No relaxation	APHA-3113B, 22 <sup>nd</sup> Edition
16.	Manganese (as Mn), mg/l	ND	0.1	0.3	APHA-3030D & 3111B, 22 <sup>nd</sup> Edition
17.	Lead (as Pb), mg/l	ND	0.01	No relaxation	APHA-3030D & 3111B, 22 <sup>nd</sup> Edition

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Date of Sample Received in Lab.: 17-10-2015 Point of Sample: From Bore-well, Depth-285 feet.  
Sample Identification No.: CPTL/2015/10/90(W) Analysis Duration: 16-10-2015 to 21-10-2015

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Copper (as Cu), mg/l	ND	0.05	1.5	APHA-3111B, 22 <sup>nd</sup> Edition
19.	Arsenic (as As), mg/l	ND	0.01	0.05	APHA-3111B, 22 <sup>nd</sup> Edition
20.	Aluminum (as Al), mg/l	ND	0.03	0.2	APHA-3500 Al-B, 22 <sup>nd</sup> Edition
21.	Mercury (as Hg), mg/l	ND	0.001	No relaxation	APHA-3500 Hg-B, 22 <sup>nd</sup> Edition
22.	Boron (as B), mg/l	ND	0.5	1.0	APHA-4500B, 22 <sup>nd</sup> Edition
23.	Cadmium (as Cd), mg/l	ND	0.003	No relaxation	APHA-3500 CD-A, 22 <sup>nd</sup> Edition
24.	Selenium (as Se), mg/l	ND	0.01	No relaxation	APHA-3500 Se-A, 22 <sup>nd</sup> Edition
25.	Fluoride, (as F ) mg/l	ND	1.0	1.5	APHA, SPANDS Method 4500-F D
26.	Free Residual Chlorine , mg/l	ND	0.2	1	APHA-4500D, 22 <sup>nd</sup> Edition
27.	E.coli/ Coliforms/100 ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981, MPN Method

*Kashyap*  
(Chemist In-Charge)  
Date: 22/10/15

*R.S. Rana*  
(Authorized Sign.)  
Date: 22/10

• 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.  
Chandigarh Sample will be destroyed after retention time unless otherwise specified.

**R.S. Rana**  
General Manager  
Chandigarh Pollution Testing Lab

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ਦਫਤਰ

ਨਗਰ

ਕੌਸਲ

ਖਰੜ

ਵਲ

ਮੈਸ: ਐਮਰਜਿੰਗ ਹਾਈਟ-3,  
ਸੰਤੋਮਾਜਰਾ।

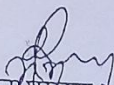
ਨੰ...83..... ਮਿਤੀ 17/4/12...

ਵਿਸ਼ਾ:

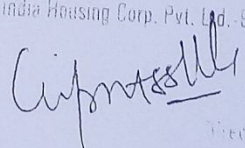
ਨਗਰ ਕੌਸਲ ਖਰੜ ਵਿਖੇ ਜਮ੍ਹਾਂ ਹੋਏ ਐਮਰਜਿੰਗ ਹਾਈਟ-3 ਸੰਤੋਮਾਜਰਾ ਦੇ ਗਰੁੱਪ  
ਹਾਊਸਿੰਗ ਦੇ ਨਕਸ਼ੇ ਦੀ ਤਕਨੀਕੀ ਪ੍ਰਵਾਨਗੀ ਸਬੰਧੀ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਆਪ ਵਲੋਂ ਦਿੱਤੇ ਐਮਰਜਿੰਗ ਹਾਈਟ-3 ਦੇ ਗਰੁੱਪ ਹਾਊਸਿੰਗ  
ਦੇ ਨਕਸ਼ੇ ਮੁੱਖ ਨਗਰ ਯੋਜਨਾਕਾਰ, ਸਥਾਨਕ ਸਰਕਾਰ ਵਿਭਾਗ ਪੰਜਾਬ ਚੰਡੀਗੜ੍ਹ ਜੀ ਦੇ ਮੀਮੋ ਨੰ.  
ਸੀਟੀਪੀ-ਐਲਜੀ-11/ 1050 ਮਿਤੀ 30-8-2011 ਰਾਹੀਂ ਜਾਰੀ ਸ਼ਰਤਾਂ ਮੁਤਾਬਿਕ ਅਤੇ ਮਾਡਰਨ  
ਬਿਲਡਿੰਗ ਬਾਇਲਾਜ 2010 ਅਨੁਸਾਰ ਹੀ ਮਨਜ਼ੂਰ ਕੀਤੇ ਜਾਂਦੇ ਹਨ (ਨੱਥੀ ਮਨਜ਼ੂਰ ਕੀਤੇ ਨਕਸ਼ੇ)।

ਨੱਥੀ: ਮਨਜ਼ੂਰ ਕੀਤੇ ਨਕਸ਼ੇ।

  
ਕਾਰਜ ਸਾਧਕ ਮੈਂਬਰ,  
ਨਗਰ ਕੌਸਲ ਖਰੜ।

For Entering India Housing Corp. Pvt. Ltd. EH3

  
Director



MUNICIPAL COUNCIL KHARAR

No. S.P.L. 1

Date 10/4/15

**Subject: Issuing of NOC**

The Municipal Council Kharar has no objection if M/S EMERGING INDIA HOUSING CORPORATION (P) LTD. of namely EMERGING HEIGHT-3 at Santemajra discharge its Sewerage treated water @143 KLD as per norms made by Punjab Pollution Control Board at their own cost into the sewer system of Municipal Council Kharar after depositing charges framed by Govt. and as per Govt. instructions and rules of the Deptt. of Local Govt. Punjab. NOC from Punjab Pollution Control Board will be taken by them separately at their own level. This N.O.C. is being issued on the basis of undertaking given by the M/S EMERGING INDIA HOUSING CORPORATION (P) LTD.

Executive Officer,  
Municipal Council,  
Kharar.

M/S EMERGING INDIA HOUSING CORPORATION (P) LTD.  
S.C.O. NO. 46-47, 1<sup>st</sup> floor, Sec. 9D,  
CHANDIGARH.

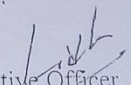
MUNICIPAL COUNCIL KHARAR

No. 692.....

Date. 12/8/15....

Subject: Issuing of NOC

The Municipal Council Kharar has no objection if M/S EMERGING INDIA HOUSING CORPORATION (P) LTD. of namely EMERGING HEIGHT-3 at Santemajra discharge its Sewerage treated water @143 KLD as per norms made by Punjab Pollution Control Board at their own cost into the sewer system of Municipal Council Kharar after depositing charges framed by Govt. and as per Govt. instructions and rules of the Deptt. of Local Govt. Punjab. NOC from Punjab Pollution Control Board will be taken by them separately at their own level. This N.O.C. is being issued on the basis of undertaking given by the M/S EMERGING INDIA HOUSING CORPORATION (P) LTD.

  
Executive Officer,  
Municipal Council,  
Kharar.

M/S EMERGING INDIA HOUSING CORPORATION (P) LTD.  
S.C.O. NO. 46-47, 1<sup>st</sup> floor, Sec. 9D,  
CHANDIGARH.



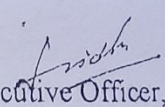
**MUNICIPAL COUNCIL KHARAR**

No. 1364.....

Date. 5/12/12.....

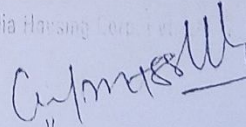
**Subject: Issuing of NOC**

The Municipal Council Kharar has no objection if M/S EMERGING INDIA HOUSING CORPORATION (P) LTD. of namely EMERGING HEIGHT-3 discharge its Sewerage treated water as per norms made by Punjab Pollution Control Board at their own cost into the sewer system of Municipal Council Kharar after depositing charges framed by Govt. and as per Govt. instructions and rules of the Deptt. of Local Govt. Punjab. NOC from Punjab Pollution Control Board will be taken by them separately at their own level. This N.O.C. is being issued on the basis of undertaking given by the M/S EMERGING INDIA HOUSING CORPORATION (P) LTD.

  
Executive Officer,  
Municipal Council,  
Kharar.

M/S EMERGING INDIA HOUSING CORPORATION (P) LTD.  
S.C.O. NO. 46-47, 1<sup>st</sup> floor, Sec. 9D,  
CHANDIGARH.

For Emerging India Housing Corp. Ltd.



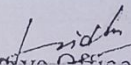
**Municipal Council Kharar**

No. 1365.....

Date 5/12/12.....

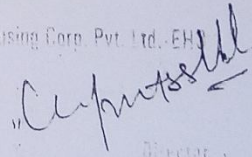
**CERTIFICATE**

It is certified that Group Housing project of M/S EMERGING INDIA HOUSING CORPORATION (P) LTD. Housing Project, namely EMERGING HEIGHT-3 has been Technical approval by the Govt. vide letter no. Memo No. CTP-LG-11/1050 dated 30-8-2011 Solid Waste (Garbage) generated from this Housing Group will be disposed off by the firm at the dumping site or will be collected by the Municipal Council Kharar on payment. This will be done as per Solid waste management and handling rules 2000 as per Govt. instructions and rules of Punjab Pollution Control Board.

  
Executive Officer,  
Municipal Council  
Kharar.

M/S EMERGING INDIA HOUSING CORPORATION (P) LTD.  
S.C.O. NO. 46-47, 1<sup>st</sup> floor, Sec. 9D,  
CHANDIGARH.

For Emerging India Housing Corp. Pvt. Ltd. (EHC)

  
Director



## CSR









## **PUBLIC NOTICE**

We the Emerging India Housing Co. (P) Ltd. hereby bring to the notice of the general public that SEIAA (Ministry of Environmental & Forest, Govt. of India) has granted Environmental Clearance for our Project Emerging Heights-III in the revenue estate village Santemajra, Kharar-Landran Road, Sector 115, Tehsil Kharar, Distt. Mohali, vide letter no. SEIAA/3255 on dated 5/06/15 the copy of clearance letter is available with the Punjab Pollution Control Board.

**For Emerging India Group Housing Co.**

*Arpant Singh*  
**Director**



Annexure-E





Joynest MOH 1 project site



## Annexure-F

### **“Visit Report of Royale Mansion Luxury Apartment” at Peer Mushalla, Near Zirakpur, Distt. SAS Nagar, Punjab by M/s. Royale Mansion**

M/s Royale Mansion has constructed a group housing project having built up area of 36,674.208 sq.m. (flats 258 & 9 shops) in the name of “Royale Mansion Luxury Apartment” at Peer Mushalla, Near Zirakpur, Distt. SAS Nagar, Punjab. The Environment Clearance was earlier granted on the basis of approved layout i.e. for 201 flats in 6 blocks (i.e. 138-4BHK, 38-3BHK, 25 EWS flats) and 3 shops with total site area of 17,158.686 sq.m. and built-up area of 27,419.418 sq.m. The verified compliance report vide no 5-862/2016-RO(NZ)/292 dated 23.02.2016 has been provided by Northern Regional Office, MoEF, Chandigarh. The cost of the earlier part of project was Rs. 27.31 Crores. But, construction was done for 258 flats. Now, application of Environment Clearance is filed on the basis of conceptual plan i.e. for 258 flats & 9 shops having built up area of 36,674.208 sq.m. The total project cost after addition is Rs. 29.72 Crores.

The area details along with other details are as follows:

Description	EC accorded	Proposed	After Expansion
	Area (in Sq.m.)		
<b>Total Area in Scheme</b>	17,167.204 (or 4.24 acres) (20,531.805 sq.yds)		
<b>Built-up Area</b>	27,419.418	9,254.79	36,674.208
<b>Dwelling Units</b>	201 D.U. + 3 shops	57 D.U. + 6 shops	258 D.U. + 9 shops
<b>Population details</b>	1011	297	1308
<b>Total water req.</b>	136	28	175 KLD
<b>Flow to sewer</b>	109	22	140 KLD
<b>Solid waste generated</b>	403 kg/day	117 kg/day	520 kg/day

The project proponent Mr. Singla has informed that all the 258 flats have already been constructed in the year 2012. But, EC was obtained for only 201 flats as per the approved layout at that time as at that time EC was granted only on the basis of approved layout plan. Site photographs showing the features related to environmental measures are enclosed as **A-1.**"

(P Thareja)

(V.K. Singhal)

A-1

SITE PHOTOGRAPHS



DG SET



STILT PARKING



GREEN AREA



FIRE EXTINGUISHER



**Visit report of  
EXPANSION OF GROUP HOUSING PROJECT “ATS GOLF MEADOWS  
LIFESTYLE” by M/s. ATS ESTATES (P) LTD.**

M/s. ATS Estates (P) Ltd. plans to expand their Group Housing Project “ATS Golf Meadows Lifestyle” Project located at Village Madhopur, Tehsil Derabassi, Distt. SAS Nagar (Mohali), Punjab. M/s. ATS Estates (P) Ltd. has already received Environmental Clearance vide Letter No. SEIAA/M.S./2012/2967 dated 11<sup>th</sup> July, 2012 for the built-up area of 1,48,898.53 sq. m. Verified compliance report from Northern Regional Office of MoEF&CC has been obtained vide Letter No. 5-714/2014-RO(NZ)/1588 dated 26.11.2015 (copy enclosed).

Now, M/s. ATS Estates (P) Ltd. has plan to expand the Group Housing Project in such a way that total built-up area after expansion becomes 3,01,540.288 sq.m. as per Annexure .The project after expansion will comprise of 16 Residential towers, EWS, Convenient shopping centre, 2 Community Centers, etc.

The project has been approved by Municipal Council, Derabassi (copy enclosed).

The expansion is proposed within the existing project site and no construction has been done at the expansion part of the site. Site photographs showing the same are enclosed with this report as **Enclosure A.**

M/s. ATS Estates (P) Ltd has provided for CSR through service to society, initiating ATS school, and toilets etc, Green areas are adequately developed and planned with names of trees displayed

**(P Thareja)**

**(V.K. Singhal)**

**Enclosure A**

**SITE PHOTOGRAPHS**



The Project area details of ATS Golf Meadows Lifestyle” along with other features are as under:

Description	EC Accorded	Proposed	Total After Expansion
	Area (in Sq.m.)		
Total Site area	1,11,921.03 (or 27.68 acres)		
Proposed Ground Coverage	13,448.38 (@ 13%)	2,266.18	15,714.56 (@ 15%)
Total Service Area	35,894.992	44,396.516	80,291.508
• Basement Area	35,521.484	44,396.516	79,918
• Substation Area	373.508	-	373.508
<b>Built-up Area</b>	1,48,898.53	1,52,641.758	3,01,540.288
Proposed Green Area	30,857.32 (@ 30%)	10,200.02	41,057.34 (@ 37%)
<b>Residential D.U.</b>	568	872	1440
<b>EWS D.U.</b>	60	84	144
<b>Total Population</b>	3,184	4,804	7,988
<b>Total water req.</b>	426 KLD	646 KLD	1,072 KLD
<b>Flow to sewer</b>	383 KLD	475 KLD	858 KLD
<b>Solid waste generated</b>	1,265 kg/day	1,917 kg/day	3,182 kg/day
<b>Parking Proposed</b>	1,296 ECS	1990 ECS	3,286 ECS



सत्यमेव जयते  
भारत सरकार

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FORESTS &  
CLIMATE CHANGE



दूरभाष नं०

Telephone No. : +91-172-2638061

Fax No. : +91-172-2638135

उत्तर क्षेत्रीय कार्यालय

बेज नं० 24 - 25, सेक्टर - 31 ए,

दक्षिण मार्ग, चंडीगढ़ - 160030

Northern Regional Office,  
Bays No. 24 - 25, Sector 31-A,  
Dakshin Marg, Chandigarh - 160030

No. 5-714/2014-RO(NZ)

Dated: 26.11.2015

To

The Member Secretary  
State Environment Impact Assessment Authority(SEIAA)  
C/O Punjab State Pollution Control Board  
Nabha Road, Patiala (Punjab)

Sub: Construction of Group Housing Project namely "ATS Golf Meadow Lifestyle-1" at Village-Madhupur, Tehsil-Dera Bassi, Distt. Mohali, Punjab by M/s ATS Estates Pvt. Ltd. - submission of compliance report to SEIAA, Punjab regarding

Ref. SEIAA, Punjab's letter No.SEIAA/M.S/2012/2967 dated 11.07.2012.

Sir,

It is to inform you that the above cited project was accorded environmental clearance by the SEIAA, Punjab constituted by the Union Ministry of Environment, Forest and Climate Change, New Delhi on 11.07.2012 vide EC letter cited above. The project was monitored by this office on 20.10.2015 and the detailed monitoring report has been submitted to the Ministry(Annexure-1). The project proponent is going to submit an application to you for seeking approval/environmental clearance for change in the built up area and expansion of the project. In pursuance of the MoEF, New Delhi's circular No.J-11011/618/2010-IA.II(I) dated 30<sup>th</sup> May, 2012, this office has been approached to inform you the latest status of compliance of the project. Accordingly, following observations are brought to your kind notice on the basis of our last monitoring report and information submitted by the project proponent till date, for further consideration:-

1.	The project was monitored by this office on 20 <sup>th</sup> October, 2015 and the detailed monitoring report was submitted to the Ministry. A copy of the monitoring report is enclosed vide Annexure-1. It may be noted that most of the conditions are being complied by the project proponent which is evident from the enclosed report.
2.	It is informed by the project proponent that no forest area is involved for the access of the project.
3.	The project proponent is getting different environment parameters monitored from the private lab namely Eco Laboratories & Consultants Pvt. Ltd., Mohali. The latest monitored results for the monitoring carried out in July, 2015 in respect of ambient air quality and noise levels are submitted by the project proponent which are enclosed herewith vide Annexure—2. All the results are within permissible limits.
4.	It is informed that 1 DG set of 125 kva and 1 DG set of 400 kva capacities have been installed for power back up during construction phase. Both the DG sets are provided with acoustic enclosures. About 1000 litres of diesel is kept in the storage for which the license from the Chief Controller of Explosive is not required.

5.	The green belt development is in progress. <b>About 1000 medicinal and herbal trees and 5000 shrubs</b> have been planted around office premises with an expenditure of Rs.1 crore.
6.	The land has been given to M.C, Dera Bassi for 4 MLD of STP. Domestic effluent will be given to STP of M.C and treated water will be taken back to be used in toilet flushing, green belt irrigation and for cooling purpose. <b>The PA has been asked to submit the detailed progress in this regard early.</b>
7.	The treated water will be <b>utilized for irrigating the greenbelt and for flushing the toilets in due course of time.</b>
8.	<b>Ready mixed concrete is being used in the construction work which is mixed with fly ash as per design mix.</b>
9.	Rainwater harvesting measures are being taken as per condition imposed by the SEIAA, Punjab by providing 8 recharge pits along with desilting chambers as per environment condition. 4 recharge pits along with desilting chambers have been provided by the project authorities.
10.	<b>First Aid facilities are provided at the project site for the benefit of the workers.</b>
11.	<b>Adequate drinking water and sanitary facilities</b> are provided to the workers during construction phase.
12.	'Consent to Establish/NOC' under Air & Water Acts was obtained by the project proponent from PSPCB on 02.05.2012 vide <b>Annexure—3.</b>
13.	<b>Height clearance to the project has been</b> accorded by the Ministry of Defence vide <b>Annexure-04.</b>
14.	<b>Permission</b> for running one borewell has been given by Central Ground Water Authority vide <b>Annexure-5.</b>
15.	<b>Fire Safety Approval</b> has been granted by the competent authority vide <b>Annexure-6.</b>
16.	<b>Environment clearance</b> has been advertised in the newspaper vide <b>Annexure—7 &amp; 8.</b>
17.	<b>Sewerage Permission</b> has been granted by M.C, Dera Bassi on 8.02.2012 vide <b>Annexure-9.</b>

Thus it is concluded that the project proponent has been trying its best to comply **most of the environmental safeguards** during construction phase in the existing project. Hence, the **compliance report of the project is forwarded herewith for considering above cited project for environmental clearance for change in the built up area and expansion of the project as per proposal to be submitted by the project proponent, on merits.** The project will be monitored by this office from time to time in operational phase also.

This is submitted for your information and necessary consideration.

Yours faithfully,

(Surendra Kumar)  
Director(S)

Tel. No. (0172)-2638994  
E Mail:sk581@yahoo.com

Encl. as above:

Copy to:- ☒ The Vice President, M/s ATS Estates Pvt. Ltd., SCO-407/408, First Floor, Sector-35 C, Chandigarh--160035 for information and necessary action.

  
(Surendra Kumar)  
Director(S)



भारत सरकार

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FORESTS &  
CLIMATE CHANGE



Anex-2

दूरभाष नं०

Telephone No. : 91-172-2638061

Fax No. : 91-172-2638135

उत्तर क्षेत्रीय कार्यालय

बेज नं० 24 - 25, सेक्टर - 31 ए,

दक्षिण मार्ग, चंडीगढ़ - 160030

Northern Regional Office,

Bays No. 24 - 25, Sector 31-A,

Dakshin Marg, Chandigarh - 160030

F No. 5-714/2014-RO(NZ)

Dated: 16.11.2015

सेवा में

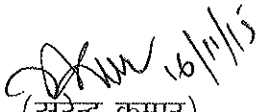
The Director(S), Monitoring Cell  
Ministry of Environment, Forests & Climate Change,  
Indira Paryavaran Bhawan,  
Jor Bagh, Aliganj, New Delhi—110003

Sub: Construction of Group Housing Project namely "ATS Golf Meadow Lifestyle-1" at Village-Madhampur, Tehsil-Dera Bassi, Distt. Mohali, Punjab by M/s ATS Estates Pvt. Ltd. -site inspection regarding.  
Ref. SEIAA, Punjab's letter No.SEIAA/M.S/2012/2967 dated 11.07.2012.

महोदय,

उपर्युक्त विषय में उल्लेखित परियोजना का निरीक्षण दिनांक 20<sup>th</sup> October, 2015 को किया गया। स्थल निरीक्षण के दौरान सभी प्रेक्षकों तथा परियोजना अधिकारियों से चर्चा के बाद अद्योहस्ताक्षरी द्वारा तैयार की गई आख्या तथा विस्तृत अग्रेषण पत्र संलग्न किए जाते हैं। आपसे अनुरोध है कि आवश्यक कार्रवाई करके इस कार्यालय को भी मंत्रालय द्वारा की गई कार्रवाई से अवगत कराने की कृपा करें।

भवदीय,

  
(सुरेन्द्र कुमार)  
निदेशक(एस)

Tel. No. (0172)-2638994  
E Mail:sk581@yahoo.com

संलग्नक:



**Ministry of Environment, Forests & Climate Change**  
**Northern Regional Office**  
**Chandigarh**  
**DATA SHEET**

1.	Project Type:	Construction Project (Group Housing Project)
2.	Name of the Project:	ATS Golf Meadow Lifestyle-1
3.	Clearance letter (s)/ O.M No. & dates:	No. SEIAA/M.S./2012/2967 dated 11.07.2012
4.	Location: a) District (s) b) State (s) c) Latitudes/longitudes	Vill. Madhopur, Derabassi, Distt.--Mohalli Punjab Yet to be submitted
5.	Address for correspondence: a) Address of Concerned Project Chief Engineer (with Pin Code/ Tel No./Telex/Fax No./ E-Mail address)	Shri Gurmeet Singh, AVP ATS Estate Pvt. Ltd. SCO-407-408, First Floor, Sector-35 C Chandigarh-160035  HO: ATS House, Plot No.16, Sector-135, Noida-201305 Tel. 0120-7111500 FAX: 0120/7111555  Shri Jaspal Singh Viridi, Project Incharge Cell No.9780445404
6.	Salient features: a) of the project	The Group Housing Project namely 'ATS Golf Meadow Lifestyle-1' is located in Village Madhopur, Tehsil Dera Bassi, District SAS Nagar. Total plot area of the proposed project is 105911.08 sq. m (10.59 hectares) in which 568 no. of flats for general public, 60 flats for EWS and 22 no. of shops will be constructed having total built up area of 1,48,898.53 sq. m. The site of the project falls within M.C. limits of Dera Bassi. The total expected population of the project will be 3188 persons. The total water requirement for domestic purpose will be 426 KLD, out of which 316 KLD will be met from groundwater by installing tubewell and remaining 110 KLD will be met by recycling of treated wastewater. The total wastewater generation from the proposed project will be about 383 KLD, which will be treated in a STP of capacity 400 KLD. The STP will be installed based on activated sludge process, consisting of screen & grit chamber, aeration tank, clarifier, treated wastewater storage tank, pressure sand filter, activated carbon filter, UV disinfection unit and sludge holding/digestion tank. The total treated wastewater generation from STP will be 383 KLD, out of which 110 KLD will be used for flushing purpose, 175 KLD for horticulture/green area and remaining 98 KLD will be discharged into M.C. sewer during summer season. In rainy season, 110 KLD of treated wastewater will be used for flushing purpose and

		<p>remaining 273 KLD will be discharged into M.C. sewer. In winter season, 216 KLD will be discharged into sewer, 57 KLD will be used for horticulture/green area and 110 KLD will be used for flushing purpose. The total quantity of MSW has been estimated as 1265 Kg/day, which will be segregated at source. The bio-degradable component and inert waste will be dumped on the dumping site of M.C. Dera Bassi. The recyclable components of the solid waste will be sold out to the recyclers. The total power requirement will be 3850 KW, which will be supplied by PSPCL. There is a provision to install DG sets as power back-up source. The project proponent has proposed to install rain water harvesting pits to replenish the groundwater.</p>			
	b) of the environmental management plans	<ul style="list-style-type: none"> <li>➤ Horticulture activities are initiated.</li> <li>➤ Rain water harvesting measures will be taken.</li> <li>➤ Fire fighting facilities will be installed as per existing norms.</li> <li>➤ Adequate car parking facilities will be incorporated in the project site to take care of traffic problem.</li> <li>➤ STP will be installed.</li> </ul>			
7.	<b>Break up of the project area:</b>	<p>Plot area - 11,05,911.08 sq. m (10.59 hectares)</p> <p>Built up area - 1,48,898.53 sq. m.</p>			
8.	<b>Break up of project affected population</b>	Not applicable			
9.	<b>Financial details:</b> a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	<table border="1"> <tr> <td>1.</td> <td>Original project cost:</td> <td>Rs. 185.00 crores</td> </tr> </table>	1.	Original project cost:	Rs. 185.00 crores
1.	Original project cost:	Rs. 185.00 crores			
	b) Allocations made for environmental management plans with item wise and year wise break up. c) Benefit cost ratio/Internal Rate of Return and the year of assessment. d) Whether (c) includes the cost of environmental management as shown in b) above. e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the environmental management plans so far:	<p>Adequate funds have been provided for implementation of EMP's</p> <p>Yet to be informed</p> <p>Not applicable</p> <p>Rs.90.00 crore</p> <p>Rs.5.80 crore</p>			



10.	Forest land requirement :	No forest area is involved in the approach road to the residential complex
11.	The status of clear felling in non-forest areas	N.A.
12.	Status of construction : a) Date of commencement (actual and/or planned)  b) Date of completion (actual and/or planned)	December, 2011  December, 2016 (proposed)
13.	Reasons for the delay if the project is yet to start:	N.A.
14.	Dates of site visits a. Date of previous site visit: b. Date of present site visit:	28.08.2014 20.10.2015 <u>Participants</u> (A) <u>From M/s ATS Estates Pvt. Ltd.:</u> 1. Shri Gurmeet Singh , VP(Projects) 2. Shri Kuldeep Singh [9814972885] (B) <u>From NRO,MoEFCC, Chandigarh</u> 1. Shri Surendra Kumar, Director(S)

**PART-II**  
**STATUS OF COMPLIANCE**  
**&**  
**PART-III**  
**DETAILED MONITORING REPORT**

The Group Housing Project namely 'ATS Golf Meadow Lifestyle-1' is located in Village Madhopur, Tehsil Dera Bassi, District SAS Nagar. Total plot area of the proposed project is 105911.08 sq. m (10.59 hectares) in which 568 no. of flats for general public, 60 flats for EWS and 22 no. of shops will be constructed having total built up area of 1,48,898.53 sq. m. The site of the project falls within M.C. limits of Dera Bassi. The total expected population of the project will be 3188 persons. The total water requirement for domestic purpose will be 426 KLD, out of which 316 KLD will be met from groundwater by installing tubewell and remaining 110 KLD will be met by recycling of treated wastewater. The total wastewater generation from the proposed project will be about 383 KLD, which will be treated in a STP of capacity 400 KLD. The STP will be installed based on activated sludge process, consisting of screen & grit chamber, aeration tank, clarifier, treated wastewater storage tank, pressure sand filter, activated carbon filter, UV disinfection unit and sludge holding/digestion tank. The total treated wastewater generation from STP will be 383 KLD, out of which 110 KLD will be used for flushing purpose, 175 KLD for horticulture/green area and remaining 98 KLD will be discharged into M.C. sewer during summer season. In rainy season, 110 KLD of treated wastewater will be used for flushing purpose and remaining 273 KLD will be

discharged into M.C. sewer. In winter season, 216 KLD will be discharged into sewer, 57 KLD will be used for horticulture/green area and 110 KLD will be used for flushing purpose. The total quantity of MSW has been estimated as 1265 Kg/day, which will be segregated at source. The bio-degradable component and inert waste will be dumped on the dumping site of M.C. Dera Bassi. The recyclable components of the solid waste will be sold out to the recyclers. The total power requirement will be 3850 KW, which will be supplied by PSPCL. There is a provision to install DG sets as power back-up source. The project proponent has proposed to install rain water harvesting pits to replenish the groundwater. The work was started in March, 2011. Total towers are 7. The work is going on all the towers. 3 Towers are completed structurally and 4 towers are in different stages of construction. 65% of total work is complete. The completion schedule for the project is December, 2016.

The compliance of different conditions is given below:-

(A) **Specific Conditions:**

**1. Construction Phase:**

(i)	<b><u>"Consent to Establish" shall be obtained from PSPCB under Air &amp; Water Acts and a copy shall be submitted to the Ministry/SEIAA before start of any construction work at site.</u></b>	Complied
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The "Consent to Establish" from PSPCB was obtained by the project proponent. The copy of the NOC is placed in the file. The NOC was valid upto 31.03.2015. The PA has been asked to get the NOC revalidated soon.

(ii)	<b><u>All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.</u></b>	Complied
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It is confirmed by the project proponent that 250 workers are employed on the project at the moment. Most of the workers do reside in labour camps. 80% of the workers are contractual workers and 20% of the workers are from project's side. The contractor has been made responsible to provide all sanitary and hygienic conditions to the workers during construction phase. Following measures have been taken by the contractor for implementation of the condition:-

- To provide adequate number of toilets (at least one for every 30 labourers).
- To ensure proper disposal of sewage so that sanitary conditions are maintained.
- To ensure regular cleaning of toilet and soak pits.
- To ensure proper water sprinkler system on the construction sites to suppress dust during handling of excavated soil.

(iii)	<b><u>A First Aid Room will be provided in the project both during construction and operation of the project.</u></b>	Complied
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It is confirmed that the First Aid facilities have been provided at the construction site to take care of minor medical treatments during active construction phase.

(iv)	<u>All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.</u>	Being complied
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The project involves the excavation of 2 lac cubic meter of muck. Total muck has been used in back filling, landscaping and internal roads. There is no complaint from the neighbors or any other project proponent.

(v)	<u>Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and disposed off taking the necessary precautions for general safety and health aspects.</u>	Complied
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It is confirmed that all the practical possible precautions were followed in the whole construction work to ensure that there is no nuisance to neighboring communities during the disposal of muck including excavation materials.

(vi)	<u>Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.</u>	Complied
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The project authorities have assured to take all possible precautions to prevent water contamination during the handling of hazardous material including bituminous material during construction period. Following steps are worth mentioning:-

- To ensure entire construction planning in such a way that there is minimum generation of construction waste like concrete, mortars and cement gouts.
- To ensure reuse of construction material as far as possible.
- To ensure the removal of construction solids from the site as frequent as possible.
- To establish litter disposal and collection points around all construction sites.
- To ensure proper measures to check any runoff from spoil piles.
- To ensure transportation of construction spoils to officially designated dump sites after obtaining necessary permission from relevant authorities.

(vii)	<u>Use of diesel generator sets during construction phase should be enclosed type and should conform to E(P)A Rules prescribed for air and noise emission standards.</u>	Being complied
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It is informed that 1 DG set of 125 kva and 1 DG set of 400 kva capacities have been installed for power back up during construction phase. All the DG sets are provided with acoustic enclosures. About 1000 litres of diesel is kept in the storage for which the license from the Chief Controller of Explosive is not required during construction phase.

(viii)	<u>Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.</u>	Partially complied
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It is confirmed by the PA that all the trucks are checked for their 'Pollution under Check' Certificates before entering into project construction area. The PA has been asked to collect the copies of few of the PUC's and submit to this office from time to time for the vehicles and buses which are regularly coming to the Institutions.

(ix)	<u>Ambient noise levels should conform to residential standards both during day and night.</u>	Partially complied
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The contractor has been instructed to keep all the construction activities in controlled manner to keep the ambient noise levels within residential standards during day and night time. It is confirmed that there was no complaint from any person in surroundings about high noise levels during construction period. Following measures have been taken by the contractor:-

- To keep maximum physical separation between noise generators and noise receptors.
- To maintain silencers and mufflers on construction equipments to keep the ambient noise levels within the prescribed standards.
- To ensure that all powered mechanical equipments being used in the works should be of the most modern techniques available.

Noise levels, ground water, ambient air quality and soil samples have been monitored by an outside approved lab namely **Eco Laboratories and Consultants Pvt. Ltd., Mohali in July, 2015**. All the results are within permissible limits of PSPCB.

(x)	<u>Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on August, 2003 (The above condition is applicable only if the project is within 100 km of Thermal Power Station).</u>	Being complied
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It is informed by the PA that RMC is being used in the aggregate during the construction phase which does have 32-33% of fly ash. Fly ash is taken from Ropar Thermal Power Plant and Guru Nanak Dev Thermal Power Plant, Lehra Mahabbat.

(xi)	<u>Ready mixed concrete must be used in building construction.</u>	Being complied
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It is informed by the PA that RMC is being used in the aggregate during the construction phase which does have 32-33% of fly ash.

(xii)	<u>Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.</u>	Being complied
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It is confirmed by PA that RMC and curing agents have been used during the building construction. Besides this other best practices are also used to reduce the water demand.

(xiii)	<u>Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.</u>	Assured to comply
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The PA has assured that dual plumbing line for using the treated water from STP in flushing the toilets will be provided in the buildings. The remaining treated water will be used in green belt development.

(xiv)	<u>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.</u>	Assured to comply
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The project authorities have assured to comply this condition in due course of time. This office will monitor the compliance of this condition from time to time.

(xv)	<u>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.</u>	Assured to comply
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It is confirmed that the buildings in the project have been designed in such a way that the cooling requirements would be minimum in summer season.

(xvi)	<u>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.</u>	Complied
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This condition has been duly complied by obtaining the approval of competent authority 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.

(xvii)	<u>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 &amp; 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.</u>	Complied
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This condition is being complied by the project authorities during construction phase.

**(B) Operational Phase:**

(i)	<u>The installation of sewage treatment plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment &amp; Forests/State Level Environment Impact Assessment Authority before the project is commissioned for operation. The discharge of treated sewage shall conform to the norms and standards prescribed by Punjab Pollution Control Board for such discharges. The project proponent shall not discharge more than 273 kld of treated wastewater into sewer during rainy season.</u>	Assured to comply
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The land has been given to M.C, Dera Bassi for 4 MLD of STP. Domestic effluent will be given to STP of M.C and treated water will be taken back to be used in toilet flushing, green belt irrigation and for cooling purpose. The PA has been asked to submit the detailed progress in this regard early.

(ii)	<u>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. and shall maintain a record of readings of each such meter on daily basis.</u>	Assured to comply
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This condition is yet to be complied.

(iii)	<u>Adequate &amp; appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the residential complex.</u>	Assured to comply
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Most of the open areas will be either covered with grass or bricks or trees and no areas will be kept open prone to dust emission.

(iv)	<u>Adequate treatment facility for drinking water shall be provided, if required.</u>	Being complied
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The water for drinking purpose is used only after proper treatment.

(v)	<u>Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the ground water recharging system.</u>	Under compliance
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Rainwater harvesting measures are being taken as per condition imposed by the SEIAA, Punjab by providing 8 recharge pits along with desilting chambers as per environment condition. 4 recharge pits along with desilting chambers have been provided by the project authorities.

(vi)	<u>The solid waste generated should be properly collected and segregated before disposal to City Municipal Facility. The in-vessel bio-compost technique should be used for composting the organic waste. Prior approval of the competent authority should be obtained, if required.</u>	Assured to comply
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It is informed that the practice of segregating bio-degradable and non biodegradable waste will be adopted and then the waste will be disposed off by the project authorities by giving to Municipal Committee's approved/designated places. **The PA has been asked to adopt in vessel bio-composting for the organic waste by installing Organic Waste Converter.** However, proper compliance of this condition will be monitored during operational phase in due course of time.

(vii)	<u>Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.</u>	Assured to comply
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As few DG sets will be established for power back up and the waste oil/lubricant generated during their maintenance is collected separately. **The PA has been asked to comply following measures in respect of disposal of waste oil/used oil which is categorized as hazardous waste:-**

- The lubricant/waste oil from DG sets should be collected in separate containers with marking of "Hazardous waste" and the same may be disposed off by selling to registered recyclers only.
- A register will be maintained by respective companies to keep a record of quantity of lubricant/waste oil generated by DG sets.
- The project authorities will submit return in Form-4 and Form-13 to the PSPCB every year with the copies to this office.

(viii)	<u>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. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.</u>	Being complied
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The green belt development is in progress. About 1000 medicinal and herbal trees and 5000 shrubs have been planted around office premises with an expenditure of Rs.1 crore. The PA has been asked to submit the details of plants planted so far in the following proforma:-

S.No	Year	Area covered	No. of plants planted	Species of plants planted	Exp. incurred (in Rs.)
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(ix)	<u>The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment &amp; Forests/ State Level Environment Impact Assessment Authority within three months.</u>	Assured to comply
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Most of the open areas will be either covered with grass or bricks or trees and no areas will be kept open prone to dust emission.

(x)	<u>Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.</u>	Being complied
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Noise levels, ground water, ambient air quality and soil samples have been monitored by an outside approved lab namely Eco Laboratories and Consultants Pvt. Ltd., Mohali in July, 2015. All the results are within permissible limits of PSPCB.

(xi)	<u>Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.</u>	Assured to comply
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The solar energy will be used for street lighting and water heating.

(xii)	<u>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.</u>	Assured to comply
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It is confirmed that separate entry and exit provisions and one way vehicular movement have been made in the Group Housing Project with sufficient parking slots in surface parking area. Thus the Parking is fully internalized and no public space is utilized.

(xiii)	<u>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 &amp; technology, R &amp; U Factors etc. and submit to the Ministry in 3 months time.</u>	Assured to comply
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Energy conservation measures conforming to energy conservation norms incorporating details about building materials & technology and R & U factors etc. have been taken in the design of the Housing Complex. It is informed that CFL lights will be used in common areas. Energy Conservation Plan to be adopted by PA in this project is yet to be submitted. The PA has been asked to get the Energy audit done in respect of the energy conservation measures in the building in due course of time.



(xiv)	<u>Environment Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.</u>	Assured to comply
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It is informed that the Environment Management Cell is yet to be constituted. The PA has been asked to submit the details of constitution and the details of activities undertaken during last one year.

**(B) General Conditions :**

(i)	<u>This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.</u>	The EC is valid
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The validity of the project is continuing.

(ii)	<u>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.</u>	Being complied
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This condition is being duly complied by the project proponent.

(iii)	<u>The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.</u>	Assured to comply
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The project is construction phase. The project authority have assured to comply the condition sincerely.

(iv)	<u>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA.</u>	Partially complied
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The project has been monitored on 20.10.2015 and regular submission of six monthly progress report is being ensured. The PA has been asked to submit six monthly progress report in 1<sup>st</sup> week of December and 1<sup>st</sup> week of June every year in soft and hard copies both as the report will be displayed on Web site of the Ministry of Environment & Forests in pursuance of the provisions of new EIA Notification no. 1533(E) dated 14<sup>th</sup> September, 2006.

(v)	<u>Officials from the Regional Office of Ministry of Environment &amp; Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment &amp; Forests, Chandigarh/State Level Environment Impact Assessment Authority.</u>	Being complied
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The Project authorities have assured that necessary cooperation will be provided to the officers from Regional Office of the Ministry during site inspection.

(vi)	<u>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.</u>	Assured to comply
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The project authorities have assured that fresh application will be submitted to SEIAA, Punjab for expansion of the project.

(vii)	<u>Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.</u>	Being complied
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Separate distribution pipelines will be laid down for use of treated effluent / raw water for horticultural/gardening purposes.

(viii)	<u>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.</u>	Being complied
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It is informed that the NOC from PSPCB, Fire Safety Department and Municipal Council have been obtained. The License from Petroleum & Explosive Safety Organization, Ministry of Commerce and Industry for the storage of Petroleum is not necessary. The NOC from Civil Aviation Deptt./M/o Defence is also obtained. The NOC's from Ministry of Environment & Forests for the passage under the Forest (Conservation) Act, 1980 is not required as the entry to the project is from service lane. The 'Consent to Operate'

from PSPCB will be obtained under the Air & Water Acts before starting operation of the project. The permission from CGWA has been obtained for running two old borewells.

(ix)	<u>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 &amp; Forests, Chandigarh.</u>	Complied
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The environment clearance has been advertised in The Indian Express, Dainik Jagran and Desh Sewak newspapers on 14.02.2014 in English, Hindi & Punjabi languages respectively.

(x)	<u>These stipulations would be enforced among others under the provisions of Water (Prevention &amp; Control of Pollution) Act, 1974, Air (Prevention &amp; Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.</u>	Being complied
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Condition No.(viii) may be referred.

(xi)	<u>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.</u>	Assured to comply
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The PA has promised to follow the verdict of 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 in due course of time.

(xii)	<u>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.</u>	Complied
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This condition is being duly complied.

(xiii)	<u>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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</u>	Yet to comply
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This condition is yet to be complied by the project proponent. The PA has been asked to start the compliance of the same as early as possible.

(xiv)	<u>The project proponent shall comply with the conditions imposed by the CGWA in the permission granted vide letter no. 21- 4(489)/NWR/CGWA/2011-3656 dated 21.05.2012 for abstraction of 283 KLD of groundwater through one tubewell only.</u>	Yet to comply
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This condition is yet to be complied by the project proponent. The PA has been asked to start the compliance of the same as early as possible.

(xv)	<u>The project proponent is to abstract 316 KLD of ground water and permission from CGWA has been obtained for abstraction of 283 KLD of groundwater through one tubewell, as such, the promoter is required to obtain permission from CGWA abstraction for additional quantity of groundwater to the tune of 33 KLD, which should be done within 4 months and SEIAA be informed accordingly.</u>	Yet to comply
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This condition is yet to be complied by the project proponent. The PA has been asked to start the compliance of the same as early as possible.

(xvi)	<u>The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility. The project proponent shall carry out following activities under the corporate social responsibility:-</u> <ul style="list-style-type: none"> <li>• Distribution of books and bags in the nearby villages, which are located within a radius of 10 km of from the project site.</li> </ul>	Under compliance
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	<ul style="list-style-type: none"> <li>• Organizing Health camps, Environmental Awareness as well as Educational programmes and blood camps in the nearby villages and Derabassi.</li> <li>• Cleaning of ponds, widening of roads in the nearby villages and in Derabassi.</li> <li>• Maintaining of MC park.</li> <li>• Providing landscaping at DAV chowk Derabassi.</li> </ul>	
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Following steps are being taken for social welfare activities:-

- Maintenance of nala.
- Flower show is organized in collaboration of M.C.
- Land has been given to M.C, Dera Bassi

This condition is being complied by the project proponent. Around Rs.10-12 lacs are being spent per year on the above cited activities.

(xvii)	<u>The State Environment Impact Assessment Authority 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.</u>	It is upto the SEIAA or MOEFCC to take action
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It is upto the MoEF, New Delhi or SEIAA, Punjab to take action. However, there is no recommendation from this office at the moment for adding any new condition.

(xviii)	<u>Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act, 1987.</u>	It is upto the project proponent to take action
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It is upto the project authorities to take action but as per records available in this office, the PA has not filed any appeal in the NGT so far.

(xix)	<u>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.</u>	It is upto the project proponent to take action
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It is upto the project authorities to take action but as per records available in this office, the PA has not filed any appeal in the NGT so far.

(Surendra Kumar)  
Director(S)

Encl. as above:



# Eco Laboratories & Consultants Pvt. Ltd.

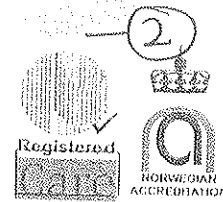
Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

A Government Approved/Accredited Test House

## TEST REPORT

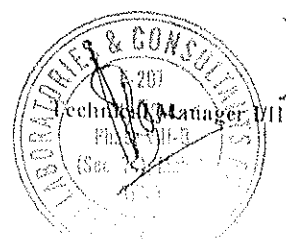
ANNEXURE II



EL-15-16/522	08/07/15	Lab No.	EC1507BA01	Page-1/1	
Customer:	ATS Golf Meadows Life Style-I Vill.-Madhopur, Teh.-Derabassi				
Type of Sample:	Ambient Air				
Work Order No. & Date:	Six Monthly Work Order				
Mode of Collection of Sample:	Sampling by Laboratory				
Sampling Location:	Near Main Gate				
Date of Sampling:	08.07.15				
Sampling Protocol:	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.				
Sampling Team:	Lab Representative: Mr. Vineet & Team Customer Representative: Mr. Vikas				
Date of Receipt of Sample:	08.07.15				
Date of Reporting:	13.07.15				
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009				
Remarks & Observation:	Clear Sky ;8hr/ 1hr Sampling				
S.No	Test Parameters	Units	Results	Limit	Test Method
1.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	33.75	60	Lab SOP EL-A1-PM2.5 Issue01 Dated 1.6.14 based on Manufacturer's Manual and CPCB Guidelines
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	96.15	100	IS: 5182 (P-23) 2004
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.48	80	IS: 5182 (P-2) 2001
4.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m <sup>3</sup>	12.52	80	IS: 5182 (P-6) 2006
5.	Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 11nd Ed. 1977 Method 801 (DL=10 µg/m <sup>3</sup> )
6.	Ozone	µg/m <sup>3</sup>	BDL	180	IS: 5182 (Part-9) -1974 R2003 (DL=10 µg/m <sup>3</sup> )
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	04	Lab SOP EL-A2-CO Issue01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual (DL=1.5 mg/m <sup>3</sup> )

Note: BDL= Below Detection Limit; DL= Detection Limit

Technical Manager III/IV



PTO

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071 TeleFax: 0172-4616225 M: 9781303109  
consulteco@yahoo.com ecolab@ecoparyavaran.org www.ecoparyavaran.org

# Eco Laboratories & Consultants Pvt. Ltd.

Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

A Government Approved/Accredited Test House



## TEST REPORT

EL-15-16/523		dt:16.07.15	Lab No.	EC1507BN02	Page-1/1
Customer:		ATS Golf Meadows Life Style-1 Vill.-Madhopur, Teh.-Derabassi			
Type of Sample:		Noise Levels (Ambient)			
Work Order No. & Date:		Six Monthly Work Order			
Mode of Collection of Sample:		Sampling by Laboratory			
Sampling Location:		Average Noise Level Near Main Gate			
Date of Sampling:		08.07.15			
Sampling Protocol:		IS: 9989:1981 R-2002 and as per customers requirements			
Sampling Team:		Lab Representative: Mr. Vineet & Team Customer Representative: Mr. Vikas			
Date of Receipt of Sample:		08.07.15			
Date of Reporting:		13.07.15			
Testing Protocol:		Ambient Air Quality Standards for Noise			
S.No	Test	Location	Unit	Results	Test Method
1	Ambient Day Time Noise Levels 1 Hour Leq	Average Noise Level Near Main Gate	dB(A)	53.1	IS: 9989:1981 R-2002

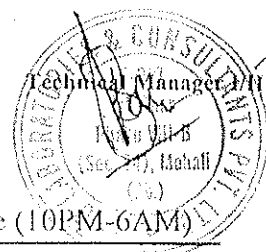
Note: The Noise-Ambient Air Quality Standards are given for reference.

Technical Manager III/IV

### Noise: Ambient Air Quality Standards

Area Code	Category of Area	Limit dB (A) Leq	
		Day Time (6AM-10PM)	Night Time (10PM-6AM)

A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40



PTO



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## TEST REPORT

EL-15-16/524		dt: 16.07.15		Lab No.	EC1507BN03	Page-1/1
Customer:		ATS Golf Meadows Life Style-1 Vill.-Madhopur, Teh.-Derabassi				
Type of Sample:		"Noise"				
Work Order No. & Date:		Six Monthly Work Order				
Mode of Collection of Sample:		Sampling by Laboratory				
Sampling Location:		DG Set of 125KVA (Mfg. Date.: 04.10.12)				
Date of Sampling:		08.07.15				
Sampling Protocol:		IS-7194 and as per customers monitoring requirements				
Sampling Team:		Lab Representative: Mr Vineet & Team Customer Representative: Mr. Vikas				
Date of Receipt of Sample:		08.07.15				
Date of Reporting:		13.07.15				
Testing Protocol:		The Environment (Protection) Amendment Rules, 2003				
S.No	Test	Result		Test Method		
A.	DG Set With Acoustic Enclosure	DG Set ON	DG Set OFF (Background Noise)			
I.	Average of Noise Levels measured at different points at 1 m from the enclosure surface 15 min Leq dB(A)	72.5	62.3	IS: 4758-1968 Manufacturer's Manual		

Technical Manager III/IV

Ministry of Environment and Forests  
Notification



G.S.R. 371(E) dated 17th May, 2002 along with G.S.R. 520 (E) dated 1<sup>st</sup> July, 2003 (The Environment (Protection) Amendment Rules, 2003)

### 94. NOISE LIMIT FOR GENERATOR SETS RUN WITH DIESEL.

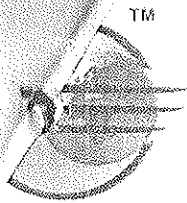
1. Noise limit for diesel generator sets (upto 1000 KVA) manufactured on or after the 1<sup>st</sup> July, 2004.

The maximum permissible sound pressure level for new diesel generator (DG) sets with rated capacity up to 1000 KVA, manufactured on or after the 1<sup>st</sup> July, 2004 shall be 75 dB(A) at 1 meter from the enclosure surface. The diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself.

2. Noise limits for diesel generator sets not covered by paragraph 1, shall be as follows:

- Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end
- The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time) The measurement for Insertion Loss may be done at different points at 0.5 m from the acoustic enclosure/room, and then averaged.

PTO



# Eco Laboratories & Consultants Pvt. Ltd.

Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739



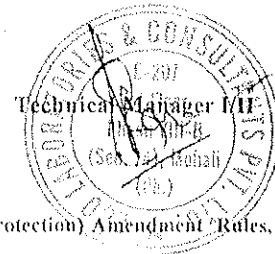
A Government Approved/Accredited Test House

## TEST REPORT

EL-15-16/ 525	dt: 16.07.15	Lab No.	EC1507BN04	Page-1/1
Customer:	ATS Golf Meadows Life Style-I Vill.-Madhopur, Teh.-Derabassi			
Type of Sample:	"Noise"			
Work Order No. & Date:	Six Monthly Work Order			
Mode of Collection of Sample:	Sampling by Laboratory			
Sampling Location:	DG Set of 400KVA (Mfg. Date.: 10.12.14)			
Date of Sampling:	08.07.15			
Sampling Protocol:	IS-7194 and as per customers monitoring requirements			
Sampling Team:	Lab Representative: Mr. Vineet & Team Customer Representative: Mr. Vikas			
Date of Receipt of Sample:	08.07.15			
Date of Reporting:	13.07.15			
Testing Protocol:	The Environment (Protection) Amendment Rules, 2003			
S.No	Test	Result		Test Method
A.	DG Set With Acoustic Enclosure	DG Set ON	DG Set OFF (Background Noise)	
1.	Average of Noise Levels measured at different points at 1 m from the enclosure surface 15 min Leq dB(A)	73.9	63.7	IS: 4758-1968 Manufacturer's Manual

Technical Manager III/IV

Ministry of Environment and Forests  
Notification



G.S.R. 371(E) dated 17th May, 2002 along with G.S.R. 520 (E) dated 1<sup>st</sup> July, 2003 (The Environment (Protection) Amendment Rules, 2003)

### 94. NOISE LIMIT FOR GENERATOR SETS RUN WITH DIESEL.

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PTO



# ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ

ਜੇਨਲ ਦਫਤਰ-1, ਚਾਂਡੀਗੜ੍ਹ ਡਵਲਪਮੈਂਟ ਐਂਡ ਪ੍ਰੋਜੈਕਟ ਆਫਿਸ

ਫੋਨ (ਦਫਤਰ) 0175 - 2301182

ਫੈਕਸ 0175 - 2307717

ਨੰਬਰ 23/3

ਮਿਤੀ 2/5/2012

**REGISTERED**

To

M/s ATS Estates Pvt. Ltd.,  
(Project-Golf Meadows Lifestyle),  
SCO No.41-42, 1<sup>st</sup> Floor,  
Sector 8-C, Madhya Marg,  
Chandigarh.

Name & Designation of : Sh. R.A.S. Bhullar, Authorized Signatory  
the Applicant  
NOC Fee Details : ₹1,00,000/- vide R. No. 77/3120 dated 16/1/2012

**Subject: "No Objection Certificate" from Pollution Angle.**

**No. ZO-I/SAS Nagar/NOC/2012/F-291 Dated 02/05/2012**

This has reference to your application on the above cited subject to the Environmental Engineer, Punjab Pollution Control Board, Regional Office, S.A.S. Nagar.

The Punjab Pollution Control Board has "No Objection" for the development of residential complex named as "Golf Meadows Lifestyle" in an area of 25.417 acres (Built up area - 1,48,898 sqm.) having 628 flats & 22 shops at Vill. Madhopur, Teh. Dera Bassi, Distt. SAS Nagar subject to the following conditions:

1. The project promoter shall obtain a clearance certificate from the Board to the effect that they have installed adequate and appropriate pollution control devices, made proper arrangement for disposal of treated wastewater and solid waste management before the power connection is released by the Punjab State Power Corporation Ltd.
2. The N.O.C. is valid for one year or till the complete development of project, whichever is earlier.
3. The project proponent shall provide the septic tank for wastewater to be generated by 300 persons in addition to construction of STPs in module form for full discharge to be generated from the residential complex at its full occupancy.
4. The promoter shall regularly operate and maintain its sewage treatment plants/septic tank and ensure that the treated sewage conforms to the effluent standards prescribed by the Board.
5. (i) The treated wastewater (upto maximum extent) will be used for flushing/ horticulture purposes within the residential complex and remaining will be discharged into sewer.  
(ii) The promoter shall make arrangements for disposal of the treated wastewater onto land for for flushing/ horticulture / into sewer and shall not allow it to stagnate anywhere inside or outside the residential complex.  
(iii) The project proponent shall obtain sewer connection from the authorities concerned before applying for clearance certificate / 'consents to operate' under the Water Act, 1974 & the Air Act, 1981 of the Board.  
(iv) The project proponent shall irrigate the green belt to be developed within the residential complex with the treated wastewater only and no fresh water will be used for this purpose. The project proponent shall make adequate arrangements i.e. lay down separate network of pipelines for this purpose simultaneously, alongwith the development of the main project.  
(v) The project proponent shall not give the possession of flats / shops till they have made proper and adequate arrangements for disposal of treated wastewater and solid waste.
6. The promoter shall install separate energy meter for its sewage treatment plants and maintain the record on daily basis of consumption of energy for the running and maintenance of sewage treatment plant.

Contd..2...


M/s ATS Estates Pvt. Ltd.,  
(Project-Golf Meadows Lifestyle),  
Vill. Madhopur, Teh. Dera Bassi,  
Distt. SAS Nagar

7. The adequacy and efficacy of the sewage treatment plants will be the entire responsibility of the promoter.
8. The promoter shall adopt a suitable management system for collection, segregation, treatment and disposal of solid waste as per provisions contained in Municipal Solid Waste (Management & Handling) Rules, 2000 before disposing off the same to M.C. dump.
9. The promoter shall obtain the authorization under Municipal Solid Waste (Management & Handling) Rules, 2000 (if applicable) and dispose off solid waste to be generated from the residential complex to the satisfaction of the Board.
10. The promoter shall submit the compliance report of the conditions of this NOC to the Board after allotment of flats/shops to ensure that adequate arrangements for treatment and disposal of sewage and solid waste have been made.
11. The promoter shall provide proper and adequate arrangements for rainwater harvesting to take care of ground water re-charging in the area.
12. The promoter shall provide sufficient thick green belt within the residential complex as per the norms of PUDA.
13. The promoter shall obtain the 'consent to operate' of the Board as required under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 before commissioning the project.
14. 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.
15. The project has been approved by the Board from pollution angle and the promoter shall obtain the approval of site from other concerned departments, if need be.
16. The promoter shall construct a pucca storage tank of sufficient capacity to hold back the wastewater in case of failure of sewage treatment plant.
17. 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.
18. All the under ground water retaining structures shall be lined with an impervious layer so as to avoid seepage and contamination of sub-soil/water.
19. 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.
20. All amendments/revisions made by the Board in the effluent standards shall be applicable to the promoter from the date of such amendments/revisions.
21. 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.
22. The promoter shall adopt proper technology for disposal of garbage and use it for plantation as manure.
23. The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plants, so as to reduce the effect of odour problem.
24. The promoter shall ensure that there is no obstruction to natural flow of rainwater due to construction of boundary wall of the residential complex.
25. The project proponent shall submit an affidavit to the effect that it shall operate the sewage treatment plant till it is handed over to Municipal Authorities.

Contd..3...

M/s ATS Estates Pvt. Ltd.,  
(Project-Golf Meadows Lifestyle),  
Vill. Madhopur, Teh. Dera Bassi,  
Distt. SAS Nagar

26. The project proponent shall put up enclosure (canopy) around its DG sets (2 x 250 KVA, 1 x 125 KVA and 1 x 500) 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.
27. The project proponent shall not start construction activity without obtaining environmental clearance under the EIA notification.
28. This NOC is subject to the final decision of the Hon'ble Punjab & Haryana High Court in CWP no.18632 of 2005 titled as Dharam Chand & others v/s State of Punjab.
29. 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  
Chairman, PPCB

Endst. No. \_\_\_\_\_

Dated \_\_\_\_\_

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

  
for & on behalf of  
Chairman, PPCB

Ar. 9

New Delhi, the 24<sup>th</sup> March, 2014.

To

M/s ATS Estates Pvt Ltd  
ATS Golf Meadows Prelude,  
Barwala Road, Dera Bassi,  
Dist. SAS Nagar, Mohali,  
Punjab - 140507.

Subject: Issue of 'NOC' for construction of building at Village Madhopur, Tehsil Dera Bassi, Dist. SAS Nagar (Mohali) Punjab by M/s ATS Estates Pvt Ltd.

Sir,

I am directed to refer to your application dated 01.08.2013 on the above subject and to say that Air HQ has no objection for construction of 106 metres high multistoried building at Khata No. 23/236, 28/40, 80/106, 65/85, 89, 74/98, 99/1/142, 130/237 and 221/364/365, Village Madhopur, Tehsil Dera Bassi, Dist SAS Nagar, Mohali, Punjab by M/s ATS Estates Pvt Ltd, subject to the following conditions:-

- a) The vertical extent (highest point) of the buildings proposed at Latitude - 30° 35' 28" N and Longitude - 76° 51' 11" E shall not exceed 406 metres above mean sea level or 106 metres above ground level whichever is lower. No extension or structure permanent or temporary (eg. Antennas, mummies, lift machine room, overhead water tank, cooling towers, sign boards etc) shall be permitted above the cleared height.
  - b) 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 switched 'ON' at all times. Provision shall be made for standby power supply to keep the lights 'ON' during power failure.
  - c) Periodic maintenance of obstruction lightings to be carried out by the company at regular intervals to keep them in serviceable and visible condition.
  - d) Closed garbage containers shall be used in the building complex in order to avoid bird activity.
  - e) No light or combination of lights which by reasons of its intensity, configuration or colour may cause confusion with aeronautical ground lights of an airport shall be installed at the site at any time during or after the construction of the building.
  - f) The commencement, completion of works inclusive installation of obstruction lights are to be intimated to AOC, AF Stu Chandigarh and HQ WAC AF, CATCO, Subroto Park, New Delhi. Failure to render these certificates within the stipulated time shall lead to cancellation of NOC.
  - g) The validity of this NOC is five years from the date of issue. If the construction for which NOC has been issued, does not complete within five years of issue or found to be in deviation from original proposal the NOC shall be deemed null and void. It will be the responsibility of the applicant to obtain fresh NOC for the proposal.
  - h) Required security clearance should be obtained through MHA/IB of the foreign Nationals/Indian representative employed/to be employed by the company in India.
2. You are also requested to obtain No Objection from other concerned Government Organization/Agencies as required.

Yours faithfully,

(A.S. Chowdhury)

Under Secretary to the Government of India

Amex-5

Regional Director

CGWA/IND/Proj/2012-1119

No.214(489)/NWR/CGWA/2011-

Dated: 21 May 2012

To,

M/s ATS Estates Pvt Ltd.,  
Village Madhopur, Block & Tehsil Dera Bassi,  
District S.A.S. Nagar (Mohali), Punjab

Sub:- NOC for ground water withdrawal by M/s ATS Estates Pvt Ltd., in respect of their proposed residential complex 'ATS Golf Meadows Life Style-1' at village Madhopur, Block & Tehsil Dera Bassi, District S.A.S. Nagar (Mohali), Punjab - reg.

S/-

Kindly refer to your letter No. ATS/EGH/CH/2011/03 dated 25.11.2011 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, North Western Region, Chandigarh vide their office letter no. 4(172)A PB/ATSEPL/NWR/S&H/2011-6/1 dated 22.3.2012 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to M/s ATS Estates Pvt Ltd., in respect of their proposed residential complex 'ATS Golf Meadows Life Style-1' at village Madhopur, Block & Tehsil Dera Bassi, District S.A.S. Nagar (Mohali), Punjab. The NOC is, however subject to the following conditions -

1. The firm may abstract 283 m<sup>3</sup>/day (not exceeding 1,00,285 m<sup>3</sup>/year) of ground water, through proposed one (1) tubewell only. No additional ground water abstraction structures to be constructed for this purpose without prior approval of the CGWA.
2. The well to be fitted with water meter by the firm at its own cost and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The ground water quality to be monitored twice in a year during pre monsoon and post monsoon periods.
3. M/s ATS Estates Pvt Ltd., shall, in consultation with the Regional Director, Central Ground Water Board, North Western Region, Chandigarh implement ground water recharge measures at least to

the tune of 75 MG m<sup>3</sup>/year as proposed for augmenting the ground water resource of the area.

4. The photographs of the recharge structures after completion of the same are to be furnished immediately to the Regional Director, Central Ground Water Board, North Western Region, Chandigarh for verification and further information to this office.
5. The firm or its own staff shall install piezometers at suitable locations and execute ground water regime monitoring programme in and around the project area on regular basis in consultation with the Central Ground Water Board, North Western Region, Chandigarh.
6. The ground water monitoring data in respect of S. No. 2 & 5 to be submitted to Central Ground Water Board, North Western Region, Chandigarh on regular basis at least once in a year.
7. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
8. Action taken report in respect of S. No. 1 to 7 may be submitted to CGWA within one year period.
9. The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 8.

Yours faithfully

  
Regional Director

Copy for information to:

1. The Secretary, State Expert Appraisal Committee, Punjab, Ministry of Environment & Forests, Office of Punjab Pollution Control Board, Valavaran Bhawan, Nabha Road, Patiala-147001, Punjab.
2. The Regional Director, Central Ground Water Board, North Western Region, Chandigarh. This has reference to your letter no. 4(172)/A-PB/ATSEPL/NWR/S&I/2011-671 dated 22.3.2012.
3. TS to Chairman, Central Ground Water Board, Bhujal Bhawan, Faridabad.

Regional Director.



## Fire safety permission

ਦਲ

ਸੇਸ: ਏ. ਟੀ. ਐਸ. ਐਸਟੇਟਸ ਲਿ.,  
ਪਿੰਡ ਮਾਧੋਪੁਰ, ਨਗਰ ਕੌਂਸਲ: ਡੇਰਾ ਬਸੀ,  
ਜ਼ਿਲ੍ਹਾ ਐਸ. ਏ. ਐਸ. ਨਗਰ ।

ਵਿਸ਼ਾ: ਪ੍ਰੋਵਿਜ਼ਨਲ ਫਾਇਰ ਸੇਫਟੀ ਸਰਟੀਫਿਕੇਟ ਬਾਰੇ ।

ਹਵਾਲਾ: ਆਪਜੀ ਦਾ ਪਤਰ ਮਿਤੀ 12-12-2011 ਸੰਬੰਧੀ ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸੰਬੰਧ ਵਿਚ ਆਪ ਵੱਲੋਂ ਪ੍ਰਾਪਤ ਗਰੁੱਪ ਹਾਊਸਿੰਗ ਅਪਾਰਟਮੈਂਟ, ਏ. ਟੀ. ਐਸ. ਗੋਲਫ ਮੀਡੇਜ਼, ਲਾਇਫਸਟਾਇਲ (628ਫਲੈਟ) ਮਾਧੋਪੁਰ, ਨਗਰ ਕੌਂਸਲ: ਡੇਰਾ ਬਸੀ, ਜ਼ਿਲ੍ਹਾ: ਐਸ. ਏ. ਐਸ. ਨਗਰ ਦੀ ਮੁਢਲੇ ਅੱਗ ਬੁਝਾਊ ਪ੍ਰਬੰਧਾਂ ਸੰਬੰਧੀ ਤਜਵੀਜ਼ਸ਼ੁਦਾ ਡਰਾਇੰਗਾਂ ਪਰਵਾਨ ਕਰਨ ਉਪਰੰਤ ਆਪਜੀ ਨੂੰ ਭੇਜੀਆਂ ਜਾਂਦੀਆਂ ਹਨ। ਬਿਲਡਿੰਗ ਦੀ ਉਸਾਰੀ ਕਰਨ ਸਮੇਂ ਅੱਗ ਬੁਝਾਊ ਪ੍ਰਬੰਧਾਂ / ਰਸਤਿਆਂ ਦੀ ਨੈਸ਼ਨਲ ਬਿਲਡਿੰਗ ਕੋਡ ਆਫ ਇੰਡਿਆ ਅਨੁਸਾਰ ਅਤੇ ਸਰਕਾਰ ਵੱਲੋਂ ਸਮੇਂ ਸਮੇਂ ਸਿਰ ਜਾਰੀ ਕੀਤੀ ਗਈ ਹਿਦਾਇਤਾਂ ਦੀ ਪਾਲਣਾ ਕੀਤੀ ਜਾਵੇ। ਜੇਕਰ ਇਹ ਵਿਭਾਗ ਜਨ ਸੁਰੱਖਿਆ ਵਿਚ ਹੋਰ ਮਸ਼ੀਨਰੀ/ਇਕੁਪਮੈਂਟ ਮੁਹੱਈਆ ਕਰਾਉਣਾ ਜ਼ਰੂਰੀ ਸਮਝੇਗਾ ਤਾਂ ਸੰਬੰਧਿਤ ਫਰਮ / ਕੰਪਨੀ ਇਸਨੂੰ ਮੁਹੱਈਆ ਕਰਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗੀ। ਬਿਲਡਿੰਗ ਦੀ ਉਸਾਰੀ ਦਾ ਕੰਮ ਪੂਰਾ ਹੋਣ / ਇਸਨੂੰ ਵਰਤੋਂ ਵਿਚ ਲਿਆਉਣ ਤੋਂ ਪਹਿਲਾਂ ਅੱਗ ਬੁਝਾਊ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਚੈਕ ਕਰਵਾ ਕੇ, ਇਸ ਵਿਭਾਗ ਤੋਂ ਫਾਇਨਲ ਐਨ.ਓ.ਜੀ. ਲੈਣਾ ਜ਼ਰੂਰੀ ਹੋਵੇਗਾ।

ਫਾਇਰ ਸਟੇਸ਼ਨ ਅਫਸਰ  
ਫਾਇਰ ਸਟੇਸ਼ਨ, ਡੇਰਾ ਬਸੀ ।

# Govt wants cell firms to Ids Mumbai's realty

state, while scores of others have been served notices to improve hygiene standards. In Kochi, the district administration has banned the sale of "shawarma", asking hoteliers to ensure the delicacy is prepared in closed chambers.

Sachin Mathew from Kerala was found dead in Bangalore on July 14. Initial reports said Mathew died of food poisoning after eating shawarma at a city eatery in Kerala. Several others, who bought shawarma from the same eatery, too had complained about health problems.

Sachin Singh, South, Rasta

2. Bulbawal Sh. Love Kumar & M a n i s h a House situated at 09.03.2012 13.07.22

Manish Chauhan Chauhan Basant Nagar, Hoshiarpur measuring 07 Marlas, Khawa No. 407/34/367/11-7) Prem Gan, Hoshiarpur, Headcast No. 247 bounded on East by Another of Another owner, South Pal

Dated-20.07.2012

JALANDHAR

AUTHO ORIENTAL B

## पूँको बैंक UCO Bank

Tel. 0172-2702821, 0172-2703203 E-mail: uco

ZONAL OFFICE Punjab

### RULE 8 (1) POSSESSION NOTICE (FOR IMMOVABLE)

Whereas, the undersigned being the Authorized Officer of UCO Bank, under the Reconstruction of Financial Assets and Enforcement of Security Interest Act, (enforcement) Rules, 2002, have issued DEMAND NOTICE calling upon the to repay the amount mentioned in notice within 60 days from the date of receipt of the The borrowers having failed to repay the amount, notice is hereby given to the in general that the undersigned has taken possession of the properties described exercise of powers conferred on him/her under section 13(4) of the said Act read said rules.

The Borrower(s) Guarantor(s) in particular and public in general are hereby cautioned the property (ies) and any dealing with the property (ies) will be subject to the charge the amount mentioned here in below, besides interest and other charges/expense of publication. In case the Borrower(s)/guarantor(s) do not pay back the dues within the period specified in the notice, the property (ies) shall be sold as per prescribed to recover the Owners/Occupiers of the property (ies) where constructive possession has been taken to handover vacant/actual possession to the undersigned within 15 days to avoid the Act with the assistance of District Magistrate.

Sr. No.	Branch Name	Name of the Borrower	Amount of Notice	Date of Demand Notice Issued	Date of Possession	Name of the Guarantor
1.	Sector 17-B, Chandigarh	Smt. Rita Rattan & Sh. Aroop Rattan	Rs. 2296892.00	07.05.2012	16.07.2012	All parts building
(4-0), 734 (4-0), 735 (4-0), 736 (4-0), 737 (4-0), 738 (4-0), 739 MIN (3-18), 1422/565 (0-2), 1423/565 (0-1), 1998/567 (0-10), & 1999/567 (0-5) Kite No. 19 Bisma its 60/16380 share Le Bisma (24 ft 7 inches X 55ft=150 Sq.yds as per H.No.42 Parvati Enclave Tribune Road, Baliana.						

The borrowers in particular and the public in general are hereby cautioned not to deal any dealings with the property will be subject to the charge of the UCO Bank for the mentioned above

Place: Chandigarh  
Date: 19.07.2012

UCO BANK ZONAL OFFICE

Aut. Officer, Karnal

# lease deed who were not the partners of the firm as per partnership deed dated 5.4.1986. This lease deed was not got executed & registered.

The allottee firm submitted the documents to PSIEC for the change in name style & constitution from M/s Moga Roller Flour Mills to M/s Moga Roller Flour Mills Pvt. Ltd. alongwith a copy of dissolution deed of firm dated 14.12.1996. As per dissolution deed 14.12.1996 a company under the name & style of M/s Moga Roller Flour Mills Pvt. Ltd. has been formed and company has taken over the assets and liabilities of the firm made resolution dated December 1986. The dissolution deed dated 14.12.1996 stood signed by the all said partners of M/s Moga Roller Flour Mills.

During the course of making correspondence with PSIEC, M/s Moga Roller Flour Mills Pvt. Ltd. have also furnished affidavit cum Indemnity Bond of Smt. Kulwant Kaur, Sh. Beant Singh & Sh. Dharam Singh Samarch deciding that they were never partners of M/s Moga Roller Flour Mills of Plot No. B-18-19, Industrial Focal Point, Moga and they have no concern whatsoever with the said property. They have further affirmed that in case PSIEC would suffer any loss on account of change in constitution or further transfer of plot, their legal heirs and their property shall be liable to make the loss which may be sustained by PSIEC or its employees on account of change in constitution or transfer of plot.

The case for change in name style & constitution is under consideration of PSIEC, in case Sh. Bhagat Ram, Smt. Dayawanti, Sh. Malki Singh, Sh. Gurmeet Singh Gill, Sh. Gurcharan Singh, Smt. Sham Kaur and Smt. Kulwant Kaur, Sh. Beant Singh & Sh. Dharam Singh Samarch legal heirs or any one else whosever concerned may be, has any objection concerning claim right/interest/lien/share regarding ownership of plot No. B-18-19 JPF Moga, for which M/s Moga Roller Flour Mills Pvt. Ltd. has submitted the documents for allowing the change in name & style & constitution in favour of S/o Sh. Gircharan Lal, 3. Sh. Suresh Kumar S/o Sh. Gircharan Lal, 4. Sh. Ram Kumar S/o Sh. Gircharan Lal in the office of PSIEC, he/she they may submit the objection if any, in writing to the undersigned within 15 days from the publication of this notice. If no objection is received within stipulated period, change in name & style & constitution of above plot would be allowed by PSIEC from M/s Moga Roller Flour Mills to M/s Moga Roller Flour Mills Pvt. Ltd. having share holders 1. Sh. Gircharan Lal S/o Munshi Ram, 2. Sh. Anil Kumar S/o Sh. Gircharan Lal, 3. Sh. Suresh Kumar S/o Sh. Gircharan Lal, 4. Sh. Ram Kumar S/o Sh. Gircharan Lal for all intents and purposes. No claim objection shall be entertained after the expiry of 15 days from the publication of this notice.

Managing Director

Punjab Small Industries & Export Corporation Limited  
(A STATE GOVT. UNDERTAKING)  
18, Himnagar Marg, Udyog Bhawan, Sector 17-A, Chandigarh-160017  
Phone: 2702301-305, Fax: 2702039, Email: psec\_chd@yahoo.co.in

### PUBLIC NOTICE

This is for the information of general public that the project named "ATS Golf Meadows Lifestyle-1" at Village Madhopur, Darabassi, Dist. Mohali, Punjab by M/s ATS Estates Pvt. Ltd. has been accorded environment clearance from SEIAA, Punjab vide letter No. SEIAA/M.S./2012/2667 dated 11.07.2012. Copies of the same are available at the office of Punjab Pollution Control Board, Patiala, Punjab and on the SEIAA, Punjab website www.seiaapunjab.co.in

### SELL

Sd/-  
Aut. Officer, Karnal



Amex-g  
OFFICE

01762-280026  
281028

# Municipal Council DERABASSI

(Distt. S.A.S. Nagar)

ਦਫਤਰ ਨਗਰ ਕੌਂਸਲ, ਡੇਰਾਬਸੀ (ਜ਼ਿਲਾ ਐਸ. ਏ ਐਸ ਨਗਰ)

Ref. No.....3.2.6.

Date.. 8/2/12..

ਵੱਲ,

Sewerage Permission

ਮੈਨੇਜਿੰਗ ਡਾਇਰੈਕਟਰ,  
ਮੈਸ: ਏ.ਟੀ.ਐਸ. ਐਸਟੇਟ ਪ੍ਰਾਈਵੇਟ ਲਿਮਟਿਡ,  
ਬਰਵਾਲਾ ਰੋਡ, ਡੇਰਾ ਬੱਸੀ।

ਵਿਸ਼ਾ: Construction of Group Housing under the name of 'ATS Golf Meadows' life style by ATS Estates Private Ltd. at Village Madhopur, Tehsil Dera Bassi.

ਹਵਾਲਾ: ATS/EST/GH/2012/08 Date 6-2-2012.

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸਬੰਧ ਵਿੱਚ ਮੈਸ: ਏ.ਟੀ.ਐਸ. ਐਸਟੇਟ ਪ੍ਰਾਈਵੇਟ ਲਿਮਟਿਡ ਵਲੋਂ ਜੋ ਏ.ਟੀ.ਐਸ. ਗੋਲਫ ਮੀਡੋਸ ਲਾਈਫ ਸਟਾਈਲ ਨਾਮ ਦੀ ਗਰੁੱਪ ਹਾਊਸਿੰਗ ਕਲੋਨੀ ਬਣਾਈ ਜਾਣੀ ਹੈ। ਮਾਸਟਰ ਪਲੈਨ ਅਨੁਸਾਰ ਇਹ ਸਾਈਟ ਰਿਹਾਇਸ਼ੀ ਜੋਨ ਵਿੱਚ ਪੈਂਦੀ ਹੈ। ਜਿਸ ਕਰਕੇ ਨਗਰ ਕੌਂਸਲ, ਡੇਰਾ ਬੱਸੀ ਨੂੰ ਪ੍ਰਵਾਨਗੀ ਲੈਣ ਉਪਰੰਤ ਇਸ ਗਰੁੱਪ ਹਾਊਸਿੰਗ ਕਲੋਨੀ ਬਣਾਉਣ ਵਿੱਚ ਕੋਈ ਇਤਰਾਜ਼ ਨਹੀਂ ਹੈ। ਆਪ ਵਲੋਂ ਇਸ ਪ੍ਰੋਜੈਕਟ ਦਾ ਅਕਸੈਸ ਟਰੀਟਡ ਸੀਵਰੇਜ ਦਾ ਪਾਣੀ ਲਗਭਗ 700ਕੇ.ਐਲ.ਡੀ. ਲੋੜੀਂਦੀ ਪ੍ਰਵਾਨਗੀ ਲੈਣ ਉਪਰੰਤ ਜਿੱਥੇ ਵੀ ਨਗਰ ਕੌਂਸਲ ਵਲੋਂ ਪਾਏ ਸੀਵਰੇਜ ਦਾ ਮੇਨ ਹੋਲ ਹੋਵੇਗਾ ਉਸ ਵਿੱਚ ਕਨੈਕਸ਼ਨ ਕੀਤਾ ਜਾਵੇਗਾ ਅਤੇ ਆਪਣੇ ਪੱਧਰ ਤੇ ਹੀ ਐਕਸੈਸ ਸਲਿਡ ਰੋਸਟ ਨਗਰ ਕੌਂਸਲ ਦੇ ਡਿਪੋਜ਼ਿਟ ਗਰਾਊਂਡ ਵਿੱਚ ਸੁੱਟਿਆ ਜਾਵੇਗਾ।

ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ,  
ਨਗਰ ਕੌਂਸਲ, ਡੇਰਾ ਬੱਸੀ।



ਪੰਜਾਬ ਪੰਜਾਬ PUNJAB

V 451008

### Memorandum of Understanding

THIS Memorandum of Understanding ("MOU") is made and entered into at Derabassi, Punjab on this 20<sup>th</sup> day of March, 2015.

### By and Between

**Municipal Council of Derabassi, Punjab**, a body constituted under \_\_\_\_\_ and having its office at Derabassi, represented through its (Designation/ Authorized Signatory), Mr. Rajesh Sharma, (hereinafter referred to as "First Party" which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include their successors, affiliates and assigns) of the FIRST PART;

And

**M/s. ATS Infrastructure Limited**, a company incorporated under the provisions of Companies Act, 1956 and having its registered office at 711/92, Deepali, Nehru Place, New Delhi - 110019 represented through its Authorized Signatory, **Mr. Sanjeev Kathuria**, duly authorized by the Company (hereinafter referred to as "Second Party" which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the SECOND PART;

First Party and the Second Party are hereinafter collectively referred to as "Parties" and individually as a "Party".


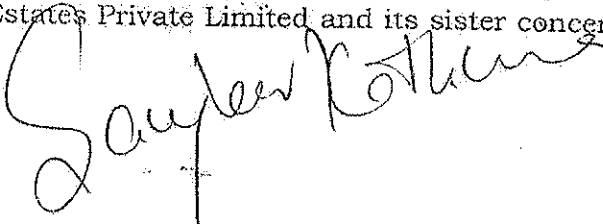

*[Handwritten signature]*

**WHEREAS:**

1. That the First Party is a government body (Municipal Council) and is engaged in the process/activities/undertaking responsibilities as entrusted upon the Municipal Council, and in the ambit of its associated works, the first Party is in the process of setting up a 4 MLD (STP), for which it requires a particular land parcel.
2. The Second Party is the owner, in possession of and sufficiently entitled to deal with the parcels of land comprising of various khasras situated at Village Madhopur and Sadhemajra, Derabassi, Punjab; Out of the before mentioned land a parcel of land bearing khasra no. 138 & 143 (Partly), admeasuring 3000 Sq.yards is situated at Village Madhopur, Derabassi, Punjab (hereinafter referred to as "Subject Land").
3. That the Second Party has obtained necessary/required permissions and is in the process of developing multifarious projects on the above land parcels which includes, Plots, Villas, Residential Group Housing, School and Hotel.
4. That the parcel of land identified by the First Party for setting up of 4 MLD STP, belongs to the Second Party and forms part of the Subject Land detailed as above in para 2.
5. That the First Party has approached the Second Party with a request to handover to the First Party an area admeasuring 3000 sq.yards forming part of the before mentioned Subject Land for setting up of STP, and has unconditionally agreed to provide certain other benefits/facilities which shall be permanently enjoyed by the Second Party and its associate companies, without being liable to pay any amount to Municipal Council Derabassi. Such benefits are categorically mentioned below in this MOU. The area of land to be handed over to the First Party is delineated in red in the map attached hereto as "Annexure-1" to this MOU.
6. That the Second Party based on the representations and warranties of the First Party has agreed and accepted the offer made by the First Party, on the terms mentioned below:

**NOW THIS MEMORANDUM OF UNDERSTANDING ("MOU") IS WITNESSTH AS UNDER**

1. That the First Party has approached the Second Party with a request to handover to the First Party an area admeasuring 3000 sq.yards forming part of the before mentioned Subject Land for setting up of STP, and the First Party has unconditionally agreed to provide certain other benefits/facilities which shall be permanently enjoyed by the Second Party and its associate companies, without being liable to pay any amount to Municipal Council Derabassi.
2. That it is agreed and accepted by the First Party that sewage of all projects of ATS Infrastructure Ltd. /ATS Estates Private Limited and its sister concerns



(i.e. the Second Party and its associates/group companies) will be connected to the STP to be set up by Municipal Council Derabassi, on the land provided by the Second Party at the cost of Municipal Council and the Municipal Council shall not impose any restriction on the quantity of discharge emanating from the Projects of the Second Party and its group companies going into the STP set up by the First Party nor the Second Party or its associates/group companies shall be liable to pay any amount towards any fees or tax to the Municipal Council towards connection/ usage/ discharge of water/ waste/ treating the sewage water in the STP to be set up by the Municipal Council. The First Party further agrees to provide treated water approx. 3000 KLD daily from the STP.

3. That the First Party agrees and undertakes that, under no pretext including but not limited to any change in policy towards imposition of water treatment charges, tax, levy, fees or Cess a demand in any manner shall be made/imposed by the First Party on the Second Party or its associate companies for the connection and use of treatment of water by STP.
4. That the First Party further agrees and accepts to construct road at its own cost and without any liability or disturbance to the Second Party, behind the ATS Lifestyle Project for access to the concerned STP. It is specifically agreed and accepted by the First Party that for no reason or purpose the First Party shall access through any parcel of the land of Second Party, nor the Second Party shall be liable to provide access to the First Party through any of its land (even for construction/setting up activities). It shall be responsibility of the First Party to construct the road for access to the parcel of subject land being provided for setting up of STP. The Second Party and the residents of its Projects shall be allowed free access to the road constructed by the First Party for the purpose of ingress and egress.
5. The First Party further undertakes to issue separate NOC (in the form/format prescribed) in favour of Second Party (i.e. ATS Infrastructure Limited/ATS Estates Private Limited and its associates/group companies) to provide exemption from installation of separate STP for the projects developed by the Second Party at Derabassi, Punjab.
6. The First Party will facilitate the Second Party to get all the approvals regarding laying of sewer pipes and other related works regarding connecting sewer pipes with the STP.
7. That the First Party further agrees and accepts that any construction towards STP on the requested land parcel will only start after written permission from the Second Party.

*[Signature]*

*Blupinder*

*[Signature]*

## 8. Indemnity

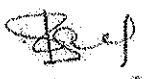
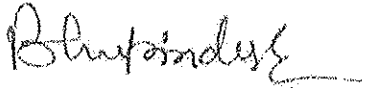
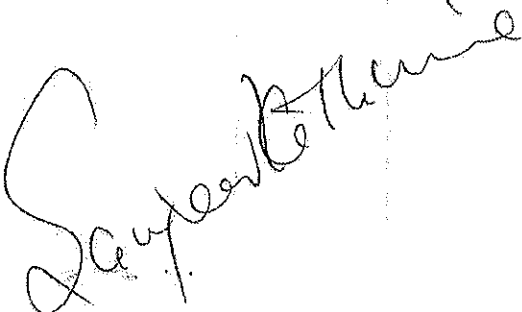
The First Party (hereinafter referred to as the "Indemnifying Party") hereby agrees to, indemnify, defend and hold harmless, the Second Party and its respective officers, directors, employees, agents and representatives (collectively hereinafter referred to as the "Indemnified Party") from and against any and all suits (including any third party proceedings), actions, proceedings, obligations, debt, demands, fines, penalties, charges, fees, judgments, awards, amounts paid in settlements, losses, liabilities, claims, damages, costs and expenses, including legal fees, disbursements and other costs of defense in connection therewith, incurred or suffered by the Indemnified Party which arise out of, result from or may be payable by virtue of: (i) any act, omission or course of action on the part of the Indemnifying Party in the performance of any of its obligations or any other term of this MOU; (ii) breach of any representation, warranty as contained in this MOU; (iii) any third party claims; and/ or (iv) any non-compliance with applicable Laws.

## 9. Governing Law and Dispute Resolution

- a. Any dispute, controversy, claim or disagreement of any kind whatsoever between or among the Parties in connection with or arising out of this Indenture (MOU) or the breach, termination or invalidity thereof (hereinafter referred to as a "Dispute") shall, so far as possible, be settled amicably between the Parties within a period of 30 (thirty) days from the Dispute having arisen.
- b. Failing such an amicable settlement, either of the Parties shall be free to refer the Dispute to arbitration under the Arbitration and Conciliation Act, 1996. The arbitration tribunal shall consist of a sole arbitrator, to be mutually appointed by the Parties. The venue of arbitration shall be Dera Bassi. The arbitration proceedings shall be conducted in English. Any award made in such arbitration will be final and binding on the Parties.
- c. This Indenture/MOU shall be governed and interpreted by, and construed in accordance with the Laws of India, and the courts of Dera Bassi shall have exclusive jurisdiction in respect of all matters relating to or arising out of this Indenture and the Allotment Letter.

## 10. Notices

- a. Any notices, requests, demands or other communication required or permitted to be given under this Indenture shall be written in English and shall be delivered in person, or sent by courier or by speed post or registered post at the address mentioned above, postage prepaid or by email and properly addressed as follows:



To the Second Party:

Attention: Mr. Sanjeev Kathuria  
ATS Golf Meadows Prelude, Barwala Road, Dera Bassi  
Address: Distt: S.A.S. Nagar, Mohali- 140507  
E mail: sanjeev@atsgreens.com

To the First Party:

Attention: Mr. Rajesh Sharma  
Address: Municipal Council, Dera Bassi  
E mail: ecomadera@gmail.com

or at such other address as the Party to whom such notices, requests, demands or other communication is to be given shall have last notified the Party giving the same.

- b. Any notice, request, demand or other communication delivered to the Party to whom it is addressed shall be deemed (unless there is evidence that it has been received earlier) to have been given and received, if:

- (a) sent by mail, [7 (seven)] business days after posting it;  
(b) sent by email, when it has been sent to the address mentioned above.

**11. Miscellaneous**

a. Waiver

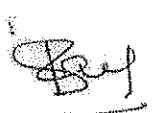
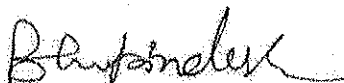
No waiver of any of the provisions of this Indenture or failure by intent or neglect by any Party to insist, in any one or more instances, upon strict performance of any of the provisions of this Indenture or to take advantage of any right hereunder, shall be deemed or shall constitute a continuing waiver of any such provisions, or a release of the obligations of the Party receiving such waiver, or the renunciation of any right unless otherwise expressly provided.

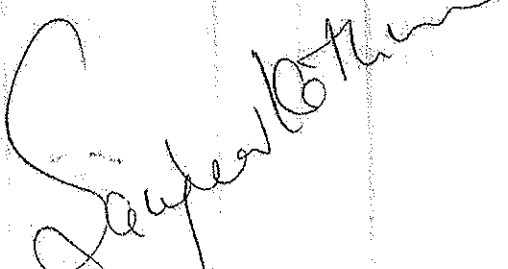
b. Entire MOU

This Indenture (MOU) constitute the entire agreement (MOU) between the Parties in relation to the terms and conditions agreed herein.

c. Amendment

This Indenture (MOU) may be amended or modified only by an instrument in writing signed by duly authorized representatives of the Parties.



d. Copies of the Indenture (MOU)

This Indenture (MOU) is being executed in duplicate with 1 (one) original copy being retained by the Second Party; 1 (one) original copy being retained by the First Party.

**IN WITNESS WHEREOF** the parties have hereunder set and subscribed their respective hands to these presents on the date, month and year hereinabove written.

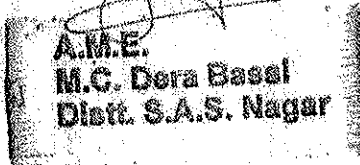
Signed and delivered by the within  
named First Party

Signed and delivered by the within  
named Second Party, **Executive Officer**  
ATS **Municipal Council**,  
Infrastructure Limited represented by **Dera Bassi**  
**Mr. Sanjeev Kathuria** authorized by  
its Board of Directors.

ਪ੍ਰਧਾਨ  
ਨਗਰ ਕੌਂਸਲ, ਡੇਰਾ ਬੱਸੀ

Witness:

1.



2.

**Visit report of**  
**Development of a Residential Complex namely**  
**“Sandwoods Opulencia”**  
**in the revenue estate of Village Bhago Majra, Landran-Banur Road,**  
**Sector-110, Distt. S.A.S. Nagar**  
**by M/s Sandwoods Infratech Projects Pvt. Ltd.**

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**M/s Sandwoods Infratech Projects Pvt. Ltd.** obtained the environmental clearance vide No. SEIAA / MS / 2013 / 42524 dated 30-10-2013 for the construction of a Residential Complex namely **“Sandwoods Opulencia”** in the revenue estate of the Village Bhago Majra, Landran-Banur Road, Sector-110, Distt. S.A.S. Nagar.

**SALIENT FEATURES OF THE PROJECT**

- ✓ The total project area is 26102.02 m<sup>2</sup>. 224 flats and 23 EWS (Ground + 17 floor) will be constructed having total built up area of 67490.23 m<sup>2</sup>. The total estimated population for the residential complex will be 1189 persons. The total cost of the project will be Rs.85 crores.
- ✓ The total water requirement for the project will be 161 KLD, out of which 119 KLD will be met from groundwater with the help of a bore well and remaining 42 KLD will be met from treated wastewater. The CGWB has recommended the case to CGWA for abstraction of groundwater vide letter dated 02.07.2013.
- ✓ The total wastewater generation from the project will be 129 KLD, which will be treated in a STP to be installed within the project premises.

**In Summer Season:**

- ✓ Out of 129 KLD of treated wastewater,
  - 42 KLD will be used for flushing purpose,
  - 39 KLD will be used for irrigation of green area, and
  - 48 KLD of remaining treated wastewater will be discharged to MC sewer.

**In Winter Season:**

- Out of 129 KLD of treated wastewater,
- 42 KLD will be used for flushing purpose,
  - 13 KLD will be used for irrigation of green area and

- 74 KLD of remaining treated wastewater will be discharged to MC sewer.

**In Rainy Season:**

Out of 129 KLD of treated wastewater,

- 42 KLD will be used for flushing purpose,
- 04 KLD will be used for irrigation of green area and
- 83 KLD of remaining treated wastewater will be discharged to MC sewer.

- ✓ The GMADA has issued licence on 06.05.2013 for development of the colony, wherein, it has been mentioned that whenever the estate services like water supply, storm and sewerage system is laid in the periphery by GMADA or any authority the licensee of the colony will integrate the same with these services at its own expenses as per the rules and with the prior permission of the Authority if required under the applicable rules.
- ✓ The treated wastewater to be generated from the proposed residential grouping housing project will be used onto land for plantation as per 'Karnal Technology' within the project premises till regular sewage connection is provided by the concerned Authorities.
- ✓ 6 no. rain water harvesting wells will be provided for recharging of 3203 KL/annum rain water to replenish the groundwater.
- ✓ The total quantity of solid waste to be generated from the proposed project has been estimated as 500 kg/day, which will be collected separately as Bio-degradable and Non- biodegradable waste as per Municipal Solid Waste (Management & Handling) Rules, 2000. The recyclable waste will be sold to the authorized vendors and the biodegradable waste will be treated through vermiculture.
- ✓ The e-waste will be handled and managed as per the E-waste (Management & Handling) Rules, 2011.
- ✓ The used oil from the D.G. sets will be stored in an isolated place and would be sold out to the approved recyclers as per the provisions of the Hazardous Waste (Management, Handling & Transboundary Movement), Rules, 2008.
- ✓ The total load of electricity required for proposed project will be 1200 KW, which

will be supplied by PSPCL.

- ✓ The project proponent has proposed to provide 2 no. of DG sets having capacity 500 KVA each, for backup power supply.
- ✓ The total parking facility will be provided for 692 ECS and provision has been kept for free movement of vehicles.
- ✓ The maximum height of the building will be 55.35 m and the Govt. of India, Ministry of Defense has issued NOC vide letter dated 22.09.2012 to the effect that the vertical height of the building will not exceed 75 m above ground level.
- ✓ Rs. 8 lacs will be incurred for implementation of EMP and Rs.2 lacs/annum will be incurred on account of recurring charges during the construction phase. Rs.40 Lacs will be incurred as capital cost and Rs. 5 lacs as recurring charges during operation phase. Sh. S.K. Baagolia, Director of the Company will be responsible for implementation of Environment Management Plan during the construction phase and after that M.C. or Resident Welfare Association will be responsible for the same. Rs.50 Lacs will be utilized for the activities under Corporate Social Responsibility programmes and Sh. S.K. Baagolia, Managing Director of the promoter company will be responsible for implementation of Corporate Social Responsibility till the completion of the work.

The Project Proponent has applied for obtaining EC for the expansion of the project. The features are as under:

<b>PROJECT DETAILS (EXISTING &amp; REVISED)</b>			
<b>Description</b>	<b>Earlier plan</b>	<b>Addition to be done</b>	<b>Revised Plan</b>
Land	26102m <sup>2</sup>	NIL	<b>26102m<sup>2</sup></b>
Built-up Area	67490m <sup>2</sup>	5402.6m <sup>2</sup>	<b>72892.6m<sup>2</sup></b>
Flats (Nos.)	247	239	<b>486</b>

**Note: As stated by the PP, they have increased the no. of flats by decreasing size of flats i.e. (4 Bed rooms flats have been reduced to 2 Bed rooms flats). This is being done as GMADA has allowed increase in FAR from 1.6 to 2.0.**

In direction to the compliance of the Chairman SEAC, the team of the following two members has been constituted to visit the project send the status report regarding the compliance status of existing project & earlier conditions.

1. Er. Malvinder Singh, FIE
2. Dr. VK Singhal

## VISIT REPORT

The project site was visited by the above SEAC members on 19-3-2016. Sh. Vinod Kumar Thakur, DGM (Projects) (92161-97982) of the project and Sh. Sital Singh, of M/s CPTL, Chandigarh, Environmental Consultant of the promoter company took us around the project site. **PLAN** below is the lay out map of the project for which EC has already been obtained by the project proponent.

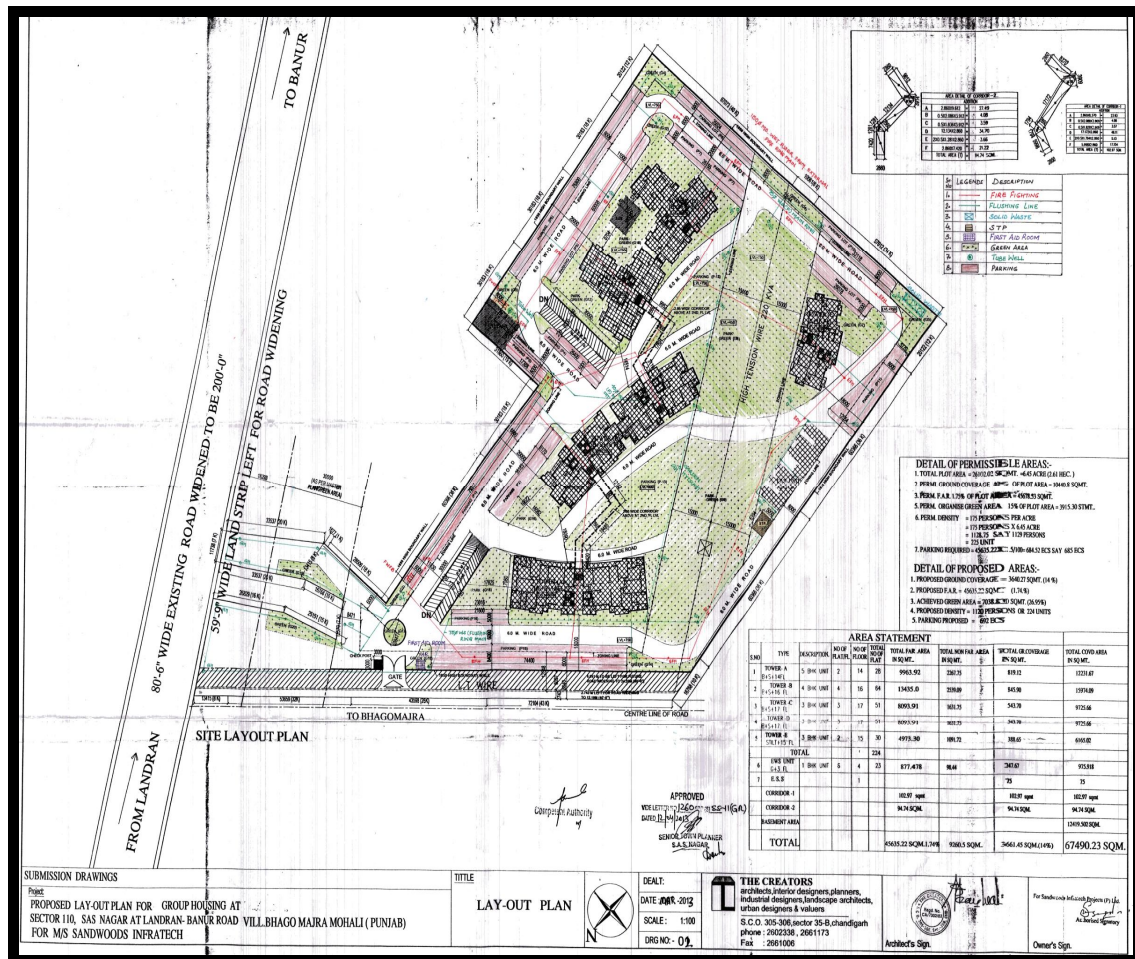




PHOTO-1 & 2



The compliance of the EC conditions is as under:

## **PART-A SPECIFIC CONDITIONS**

### **1. CONSTRUCTION PHASE**

<b>#</b>	<b>Description</b>	<b>Remarks</b>
<b>i</b>	"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.	The PP has the NOC from PPCB from Pollution Angle with Industry ID:R13SAS547545 dated 12-11-2013. Application No :547552 PI see <b>Exhibit-1.</b>
<b>ii</b>	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	The PP has provided the toilets for workers for keeping the hygiene. PI see <b>Exhibit-2.</b>
<b>iii</b>	A first aid room will be provided in the project both during construction and operation phase of the project.	The PP has provided the first aid facility for workers. PI see <b>Exhibit-3.</b>
<b>iv</b>	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Being complied.
<b>v</b>	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority.	Being complied.
<b>vi</b>	Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses and the dump sites for such material must be secured, so that they should not leach into the ground water.	Being complied.
<b>vii</b>	The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.	The PP has provided a DG Set of 62.5 KVA rating. PI see <b>Exhibit-4.</b>  2 Nos. DG Sets @250 KVA have been employed on rent.



#	Description	Remarks
<b>viii</b>	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 and noise emission standards.	Being complied.  PI see <b>Exhibit-5</b> .
<b>ix</b>	Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	About 30% construction activity seems to be complete.  The analysis report of ambient noise levels is on the higher side. But, during the visit, everything was calm and quite.  PI see <b>Exhibit-6</b> .
<b>x</b>	Fly ash should be used as construction material in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003 (This condition is applicable only if the project is within 100 Km of Thermal Power Station).	Being complied.  PI see <b>Exhibit-7</b> .
<b>xi</b>	Ready mixed concrete should be used in building construction as far as possible.	Being complied.
<b>xii</b>	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.	Being complied.
<b>xiii</b>	Separation of drinking water supply and treated sewage supply should be done by the use of different colours.	The PP assured to comply.
<b>xiv</b>	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.	The PP assured to comply.
<b>xv</b>	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.	The PP assured to comply.

#	Description	Remarks
<b>xvi</b>	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.	The structural certificate has been obtained by the PP.  PI see <b>Exhibit-8</b> .
<b>xvii</b>	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	About 20-25 laborers reside in the premises of the PP site.  Facilities provided are shown in the <b>Exhibit-9</b> .

## 2. OPERATION PHASE

#	Description	Remarks
<b>i</b>	The installation of sewage treatment plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forests/State Level Environment Impact Assessment Authority before the project is commissioned for operation. The discharge of treated sewage shall conform to the norms and standards prescribed by Punjab Pollution Control Board for such discharges. The project proponent shall discharge not more than 135 KLD of treated wastewater into public sewer.	Yet to be started.  PI see <b>Exhibit-10</b> regarding permission from GMADA for making proper disposal arrangements of the treated wastewater.
<b>ii</b>	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. and shall maintain a record of readings of each such meter on daily basis.	The PP assured to comply.
<b>iii</b>	Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex.	The PP assured to comply.
<b>iv</b>	Adequate treatment facility for drinking water shall be provided, if required.	The PP assured to comply.

#	Description	Remarks
<b>v</b>	Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the ground water recharging system.	The PP assured to comply.
<b>vi</b>	The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inerts shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior approval of competent authority should be obtained, if required.	The PP assured to comply.  PI see <b>Exhibit- 10</b> .
<b>vii</b>	Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.	The PP assured to comply.
<b>viii</b>	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. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.	The PP assured to comply.
<b>ix</b>	The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.	The PP assured to comply.
<b>x</b>	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.	The PP assured to comply.  However, AAQ; Noise; Water Quality, and Soil reports are exhibited as <b>Exhibit-11, 6,12 &amp; 13</b> .
<b>xi</b>	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.	The PP assured to comply.

#	Description	Remarks
<b>xii</b>	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.	The PP assured to comply.  However, no congestion of traffic was seen during the visit to the project.
<b>xiii</b>	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency 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.	The PP assured to comply.
<b>xiv</b>	Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.	Being complied.  Pl see <b>Exhibit-14</b> .

## **PART-B GENERAL CONDITIONS**

#	Description	Remarks
<b>i</b>	This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.	The PP has noted for compliance.
<b>ii</b>	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.	The PP has assured to comply.
<b>iii</b>	The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) 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 after obtaining prior permission of the Punjab Pollution Control Board.	The PP has assured to comply.  Pl see <b>Exhibit-14</b> .

#	Description	Remarks
iv	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA.	The PP has assured to comply.
v	Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.	Being complied.
vi	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.	The PP has applied for the EC for expansion of the project.
vii	Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.	The PP assured to comply.
viii	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><b>Exhibit-15-</b> Certificate from aviation angle.</p> <p><b>Exhibit-10-</b> Construction of buildings from Department of Town &amp; Country Planning, PUDA Bhawan, Mohali</p> <p><b>Exhibit-16-</b> Recommendation of Regional Director, Chandigarh on the application from PP for withdrawal of GW from CGWA, New Delhi</p>

#	Description	Remarks
		<b>Exhibit-17-</b>  Fire Certificate from Fire Deptt., Dera Bassi.
<b>ix</b>	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.	The PP assured to comply.
<b>x</b>	These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	The PP assured to comply.
<b>xi</b>	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.	The PP assured to comply.
<b>xii</b>	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.	Complied

#	Description	Remarks
<b>xiii</b>	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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	The PP assured to comply.
<b>xiv</b>	The promoter company shall obtain permission from CGWA for abstraction of 185 KLD of groundwater and shall submit the same to SEIAA, Punjab within three months. The promoter company shall comply with the conditions to be imposed by the CGWA in the said permission.	The PP assured to comply. Pl see <b>Exhibit-16</b> .
<b>xv</b>	The project promoter shall obtain permission for CLU from the Competent Authority of the State, if the concerned department insists for the same.	The CLU Certificate has been obtained from Department of Town & Country Planning, PUDA Bhawan, Mohali.  Pl. see <b>Exhibit-10</b> .
<b>xvi</b>	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility. Rs. 10 lac will be utilized for following activities under Corporate Social Responsibility programme: <ul style="list-style-type: none"> <li>o Blood donation camps and other health related camps will be organized in the 5 Km area of the project.</li> <li>o Awareness camps for awareness of cancer and other diseases.</li> <li>o Widening of road in the vicinity of the project.</li> <li>o Sapling will be distributed in the area.</li> </ul>	The PP has assured to comply.  However, the PP has furnished an information about their efforts being made for fulfill their commitment towards EMP and CSR.  Pl. see <b>Exhibit-14 &amp; 18</b> .

#	Description	Remarks
<b>xvii</b>	The State Environment Impact Assessment Authority 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.	The PP has noted it.
<b>xviii</b>	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.	Not applicable.

(Dr. VK Singhal)

Member

(Malvinder Singh)

Member



**Visit report of  
Area Development Project namely  
“The Palms”**

**in the revenue estate of Village Mullanpur Garibdas, Dhanauran & Mastgarh,  
Distt. S.A.S. Nagar**

**by M/ s Manohar Infrastructure Construction Pvt. Ltd.**

**(Proposal No. SIA / PB / NCP / 3715 / 2015)**

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**M/ s Manohar Infrastructure Construction Pvt. Ltd.** has applied for the environmental clearance under EIA Notification dated 14-09-2006 for the Area Development Project namely **“The Palms”** in the revenue estate of the Village Mullanpur Garibdas, Dhanauran & Mastgarh, Distt. S.A.S. Nagar.

## **SALI ENT FEATURES OF THE PROJECT**

- The total land area of the project is 5,32,363.96 m<sup>2</sup> (131.55 acres) consisting of residential area of 2,01,209.7 m<sup>2</sup>, EWS area of 27,680.497 m<sup>2</sup>, commercial area of 8,255.587 m<sup>2</sup>, public building of 29,096.89 m<sup>2</sup>, , green area of 31,160.794 m<sup>2</sup>, parking area of 8,255.58 m<sup>2</sup> and other miscellaneous areas of 1,37,795.46 m<sup>2</sup>.
- The total water requirement for the project will be 2392 KL/day, out of which 1765 KL/day will be met through tubewell and remaining 627 KL/day will be met through recycling of treated wastewater.
- The total wastewater generation from the project will be 1914 KL/day, which will be treated in a STP to be installed within the project premises.

### **IN SUMMER SEASON**

- ✓ The project proponent has proposed to use 627 KL/day of treated wastewater for flushing purpose, 171 KL/day will be used for irrigation of green area and 1078 KL/day of remaining treated wastewater will be disposed in GMADA sewer.

### **IN WINTER SEASON**

- ✓ The project proponent has proposed to use 627 KL/day of treated wastewater for

flushing purpose, 56 KL/day will be used for irrigation of green area and 1193 KL/day of remaining treated wastewater will be disposed in GMADA sewer.

#### **IN RAINY SEASON**

- ✓ The project proponent has proposed to use 627 KL/day of treated wastewater for flushing purpose, 15 KL/day will be used for irrigation of green area and 1234 KL/day of remaining treated wastewater will be disposed in GMADA sewer.
- The total load of electricity required for group housing will be 5000 KW which will be taken from the PSPCL. There is a proposal to install DG sets for stand-by arrangement.
- 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 as per the provisions of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.

The case of the project proponent was discussed in 141<sup>st</sup> meeting of the SEAC held on 27-02-2016 wherein, after detailed discussions, it was decided that a team of two members namely Er. Malvinder Singh and Dr. VK Singhal be sent for verification of the following:

- Whether the aforesaid road is an integral part of the project i.e. an internal road or approach road to the area constructed on land belonging to GMADA ?
- Whether any development activity has been carried out by the project proponent ?
- Whether any development activities are going on at the project site ?

#### **VISIT REPORT**

In compliance to the above directions, the project site was visited by the above SEAC members on **23-3-2016**. Sh. Surinder K Talwar (92164-97333) of the project and Sh. Sandeep Garg, of M/s Eco Laboratories & Consultant Pvt. Ltd., (the Environmental Consultant of the promoter company) took us around the project site.

The detailed findings are as under:

#	Description	Remarks
1	Whether the aforesaid road is an integral part of the project i.e. an internal road or approach road to the area constructed on land belonging to GMADA ?	<p>Pl refer to the <b>Road Map</b>.</p> <p>The site of the project is about 2475.5 ft away from the 200 ft wide Siswan - Chandigarh Road. The overall length of this road will be 2818 ft. <b>1290.5 ft of the road being developed as an approach road to the project site is 60 ft wide.</b> About 1528.3 ft of the remaining road will be 40 ft wide.</p> <p>As per the project proponent's conviction, neither it is an integral part of the project nor it is an internal road of the project. It is only a temporary approach road to the proposed project. It is also not being constructed on land belonging to GMADA.</p> <p>In the Road Map, it has been clearly shown as project proponent's own land.</p> <p>The <b>Annexure-1</b> shows the details along with layout showing the approach road. Khasra numbers of the proposed site as well as approach road are also given.</p> <p>The <b>Annexure-2</b> shows the photographs of the temporary approach being developed by the project proponent.</p>
2	Whether any development activity has been carried out by the project proponent ?	No construction activity, whatsoever, is being carried out at the project site by the PP relating to the project.

		Pl refer to <b>Annexure-3</b> .
<b>3</b>	Whether any development activities are going on at the project site ?	Only site marking activities are in progress by way of providing poles at the site.  Pl refer to <b>Annexure-4</b> .

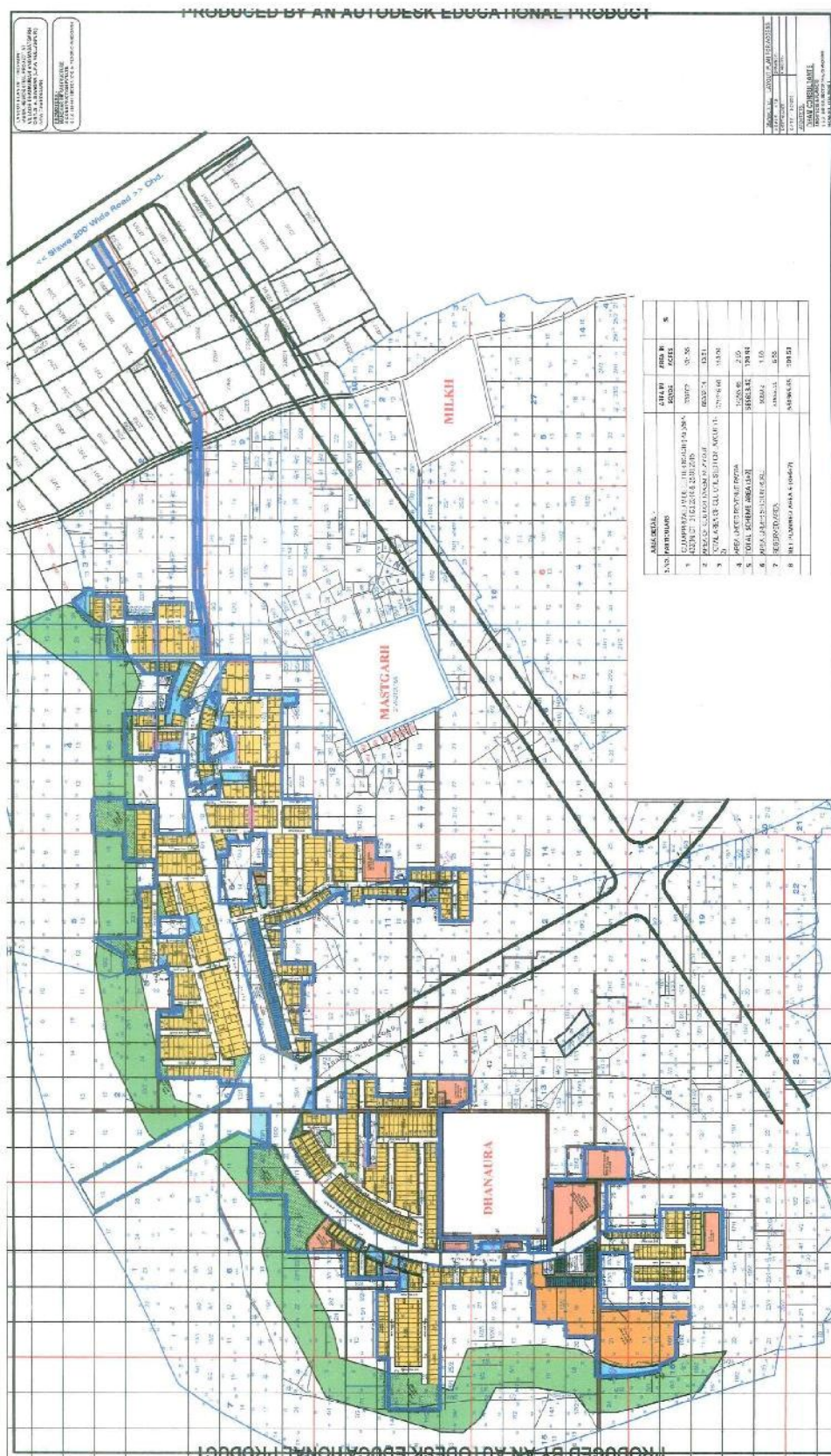
**(Malvinder Singh)**

**Member**

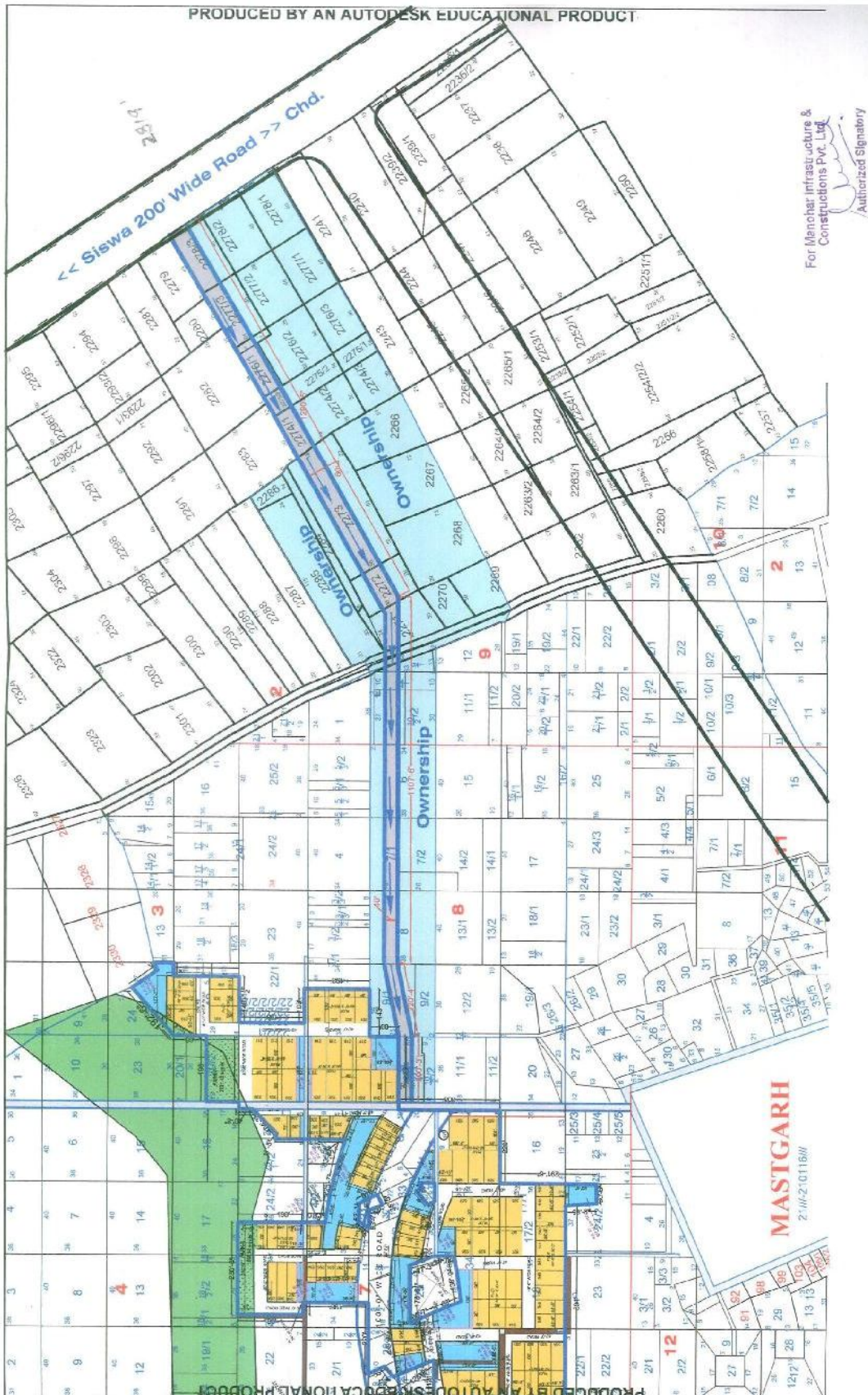
**(Dr. VK Singhal)**

**Member**









Area Details of Exit Road					
Mastgarh					
Sr.No	Khasra No.	Area		Road	
		Kanal	Marla	Kanal	Marla
1	9// 9/1	1	3	0	3
2	9// 10/1	1	8	0	8
3	9// 10/2/2	5	12	1	4
4	8// 6	8	0	1	12
5	8// 7/1	3	11	1	12
6	8// 8	8	0	1	12
7	8// 9/1	5	11	1	13
8	8// 10/2/1	2	15	1	9
G.Total		36	0	9	13

Mullanpur					
Sr.No	Khasra No.	Area		Road	
		B	B	B	B
1	2278/3	2	12	1	5
2	2277/3	2	8	1	5
3	2276/1	1	8	1	3
4	2275/3	0	9	0	9
5	2274/1	1	0	0	19
6	2273	7	9	2	14
7	2272	2	7	0	16
8	2271	2	19	0	12
Total		20	12	9	3
		Kanal	Marla	Kanal	Marla
G.Total		34	6.67	15	5

	Kanal	marla
Mullanpur	15	5
Mastgarh	9	13
Total	24	18
Acre	3.1125	

For Manohar Infrastructure &  
Constructions Pvt. Ltd.

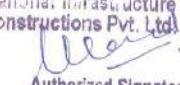
*[Signature]*  
Authorized Signatory



**Detail of land area village Dhanoura of M/S Manohar Infrastructure & Constructions Private Ltd.,**  
**SCO 139-140, Sector 17-C, Chandigarh** Vill: DHANOURA

Kha. No.	Total Area		Registry		Consent letter		AGREEMENT		layout plan area	
4//1	4	0	4	0					4	0
4//2	2	0	2	0					2	0
4//9	4	4.5	4	4.5					4	4.5
4//10	8	0	8	0					8	0
4//11	8	0	3	2	4	18			8	0
4//12	7	11	3	0.34	4	10.66			7	11
4//13	0	5			0	5			0	5
4//18	2	10			2	10			2	10
4//19/1	7	8			7	8			7	8
4//19/2	0	12			0	12			0	12
4//20/1	2	12	1	6	1	6			2	12
4//20/2	5	8	2	14	2	14			5	8
4//21/1	5	2			5	2			5	2
4//21/3	0	14			0	14			0	14
4//22/1	2	4			2	4			2	4
5//4	7	11					7	11	7	11
5//5/1	6	16					6	16	6	16
5//5/2	0	11	0	11					0	11
5//6	7	4					7	4	7	4
5//7/1	1	9					1	9	1	9
5//7/2	6	11					6	11	6	11
5//26	0	16					0	16	0	16
5//13/2	1	12					1	12	1	12
5//14/1	5	16					5	16	5	16
5//14/2	2	4	0	18			1	6	2	4
5//15	8	0	8	0					8	0
5//16/1	7	2	7	2					7	2
5//16/2/1	0	6	0	6					0	6
5//16/2/2	0	12	0	12					0	12
5//17/1	7	2					7	2	7	2
5//17/2	0	18	0	14					0	18
5//18	7	4					7	4	7	4
5//19/2	3	7	3	7					3	7
5//20/1	4	12	4	12					4	12
5//20/2	3	8	3	8					3	8
5//21/2	4	12	4	12					4	12
5//21/1	3	8	3	8					3	8
5//22	8	0	8	0					8	0
5//23/1	5	0					5	0	5	0
5//23/2	2	4	2	4					2	4
5//24/1	5	0	5	0					5	0
5//24/2	3	0	3	0					3	0
5//25/1	2	0	2	0					2	0
5//25/2/1	2	1	2	1					2	1
5//25/2/2	1	10.5	1	10.5					1	10.5
Total Area	180	7							179	19

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Khasra no.	Total Area		Registry		Consent letter		AGREMENT		layout plan area	
6// 16	2	16	2	16					2	16
6// 24/1	6	13	6	13					6	13
6// 25	7	7.94	7	7.94					7	7.94
8// 14/3	2	6	2	6					2	6
8// 15/2	5	2	5	2					5	2
8// 16	8	0	8	0					8	0
8// 17/1	3	0	3	0					3	0
8// 17/2	0	17	0	17					0	17
9// 4/1/1	2	11	2	11					2	11
9// 4/1/1	1	13					1	13	1	13
9// 4/2	1	16	1	16					1	16
9// 26	1	9	0	18.96					1	9
9// 5	8	0					8	0	8	0
9// 6/1	2	4	2	4					2	4
9// 6/2	5	16	5	16					5	16
9// 7	7	12	7	12					7	12
9// 8/1	5	8	5	8					5	8
9// 11	8	0	8	0					8	0
9// 12/1	7	6	7	6					7	6
9// 13/1/1	0	18	0	18					0	18
9// 13/2/1	2	8	2	8					2	8
9// 13/3	2	4	2	4					2	4
9// 14	7	12	2	19	4	13			7	12
9// 15	8	0	3	6	4	14			8	0
9// 16	8	0			8	0			8	0
9// 17	7	12			7	12			7	12
9// 18	8	0	8	0					8	0
9// 19	8	0	8	0					8	0
9// 20	8	0	8	0					8	0
9// 23	7	11			4	3			7	11
9// 24	3	0			3	0			3	0
9// 75/1	0	6	0	6					0	6
10// 1/1	1	13	1	13					1	13
10// 1/2	6	7	3	4			3	3	6	7
10// 2/1	2	18	2	18					2	18
10// 2/2	5	2	5	2					5	2
10// 8	7	4	7	4					7	4
10// 9/1	2	9					2	9	2	9
10// 9/2	2	9					2	9	2	9
10// 10	6	4.17	3	19.17			2	5	6	4.17
10// 11	8	0	8	0					8	0
10// 12	8	0	8	0					8	0
10// 13/1	3	0	3	0					3	0
10// 18	6	8			2	8	4	0	6	8
10// 19/1	1	0							1	0
10// 19/2	7	0			7	0			7	0
10// 20/1	7	17			7	17			7	17
Total Area	234	19.11							234	19.11

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Will. Dhanaguru

Khasra no.	Total Area		Registry		Consent letter		AGREMENT		layout plan area	
10//23	6	1			6	1			6	1
11//7/1	1	14							1	14
11//7/2	1	16	1	16					1	16
11//14	2	10.25	2	10.25					2	10.25
11//17/1	1	15	1	15					1	15
11//17/2	1	17							1	17
11//23	4	0	4	0					4	0
11//24	3	18	3	18					3	18
11//27	0	13	0	13					0	13
13//20/1	2	16	2	16					2	16
13//21	7	3	7	3					7	3
14//3/1	1	0			0	11			1	0
14//3/2	7	0					7	0	7	0
14//4/2	1	11					1	11	1	11
14//7/1	2	6					2	6	2	6
14//8	2	15					2	15	2	15
14//12/1	5	16					5	16	5	16
14//12/2	2	4					2	4	2	4
14//13/1	5	16					5	16	5	16
14//13/2/1	1	18	1	10			0	8	1	18
14//13/2/2	0	6					0	6	0	6
14//14/4	4	0					4	0	4	0
14//15/2	3	18					3	18	3	18
14//16	8	0					8	0	8	0
14//17	8	0					8	0	8	0
14//18	8	0					8	0	8	0
14//19	8	0					8	0	8	0
14//20	3	7.3					3	7.3	3	7.3
14//21	7	2	3	0	4	2			7	2
14//22	6	11	2	4			4	7	2	4
14//24/1	4	11	4	11					4	11
14//24/2	0	11	0	11					0	11
14//25	1	9	1	9					1	9
15//25/2	3	7.61			3	7.61			3	7.61
16//5/2	2	15			2	15			2	15
16//5/3	1	9			1	9			1	9
16//6/1	0	8			0	8			0	8
17//1/1	6	0	2	9	3	11			6	0
17//1/2	2	0	0	16	1	4			2	0
17//2/1	0	17	0	17					0	17
17//2/2	2	11	2	11					2	11
17//3	7	8	7	8					7	8
17//4/1	5	4	5	4					5	4
17//6	2	0	2	0					2	0
17//7	8	0	8	0					8	0
17//8	7	19	7	19					7	19
17//9/2/1	3	4	3	4					3	4
17//10/1	4	0	1	12	2	8			4	0
17//13/2	1	12	1	12					1	12
17//14	8	0	8	0					8	0
17//15	2	1.41	2	1.41					2	1.41
Total Area	197	0.57							192	13.57

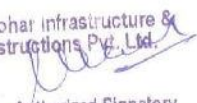
607 11.68

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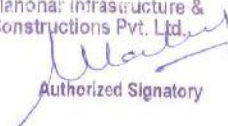
**Detail of land area village Mastgarh of M/S Manohar Infrastructure & Constructions Private Ltd., SCO 139-141, Sector 17-C, Chandigarh**

Mastgarh									
Khasra No.	Total Area		Registry/Towadla		Consent letter		AGREMENT		layout plan area
3// 12	2	17	2	17					2 17
3// 19	7	16	7	16					6 8
3//20/2	4	4	4	4					3 10
3// 21	7	4					7	4	7 4
3// 22/2/1	0	16					0	16	0 16
3// 22/2/2/1	1	12					1	12	1 8
4// 20	8	0	8	0					8 0
4// 21/1	6	0	6	0					6 0
4// 23/2	6	12	6	12					6 12
4// 24/1	3	12			3	12			3 12
4// 25/2/1	2	2					2	2	0 14
4// 25/2/2	1	2					1	2	1 2
5// 19/1	2	0	2	0					2 0
5// 22/1	4	5	4	5					4 5
5// 22/2	1	18	1	18					1 18
5// 22/3	1	12	1	12					1 12
5// 23/2	0	8	0	8					0 8
5// 23/3	3	4	3	4					3 4
5// 23/4	0	8	0	8					0 8
5// 24/1/2	1	2	1	2					1 2
5// 24/2/2	0	18	0	18					0 18
5// 25/2	6	0	6	0					6 0
6// 2/1	2	1	2	1					2 1
6// 2/2	3	13	2	8.66			1	4.34	3 13
6// 3/1	3	1	3	1					3 1
6// 4	7	11					7	11	7 11
6// 5	7	11	7	11					7 11
6// 6/1	5	0			5	0			5 0
6// 6/2	1	16	1	16					1 16
6// 6/3	1	4	1	4					1 4
6// 7	8	0	8	0					8 0
6// 8	8	0	8	0					8 0
6// 9	3	9	3	9					3 9
6// 12	0	10	0	10					0 10
6// 13/1	7	10	7	10					7 10
6// 13/2	0	4							0 4
6// 15/1/2	0	17	0	17					0 17
6// 15/2	1	16			1	16			1 16
6// 16/2	4	0	4	0					4 0
Total Area	139	15							136 1

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Khasra no.	Total Area		Registry		Consent letter		AGREEMENT		layout plan area	
6// 17/1	0	5			0	5			0	5
6// 17/2	7	8			7	8			7	8
6// 18	5	10			5	10			5	10
6// 23/1	0	5			0	5			0	5
6// 23/2	3	0			3	0			3	0
6// 24/1	3	0			3	0			3	0
6// 24/2	1	0			1	0			1	0
6// 24/3	4	0			4	0			4	0
6// 25	8	0	8	0					8	0
7// 3	5	5					5	5	5	5
7// 4/1	5	16	5	16					5	1
7// 5/1	4	4	2	16	1	8			1	13
7// 5/2	3	4	3	4					3	2
7// 6/1	6	11	6	11					6	11
7// 6/2	0	10	0	10					0	10
7// 7/2	4	10	4	10					4	10
7// 8/1	1	8	0	18			0	10	1	8
7// 8/2	1	6	1	6					1	6
7// 8/3	0	9	0	9					0	9
7// 9/1	0	14	0	14					0	14
7// 9/2	0	8	0	8					0	8
7// 10	8	0	8	0					8	0
7// 11/1	1	9			1	9			1	9
7// 11/2	6	11	6	11					6	11
7// 12/1	3	18	3	18					3	18
7// 12/2	3	12					3	12	3	12
7// 13	5	4					5	4	5	4
7// 14/1	3	9					3	9	3	9
7// 14/2	0	9	0	9					0	9
7// 14/3	3	10	3	10					3	10
7// 15/1/2	0	3	0	3					0	3
7// 15/2/1	6	12	6	12					6	12
7// 15/2/2	0	15	0	15					0	15
7// 17/1	4	4	4	4					4	4
7// 17/2	3	16			3	16			3	16
7// 18	8	0	8	0					8	0
7// 19	6	16			6	16			6	16
7// 20/1	1	10			1	10			1	10
7// 20/2	5	17	5	17					5	17
7// 21	8	0	8	0					8	0
7// 24/2	1	1.5	1	1.5					1	1.5
7// 26/2	0	10	0	10					0	10
Total Area	149	19.5							146	11.5

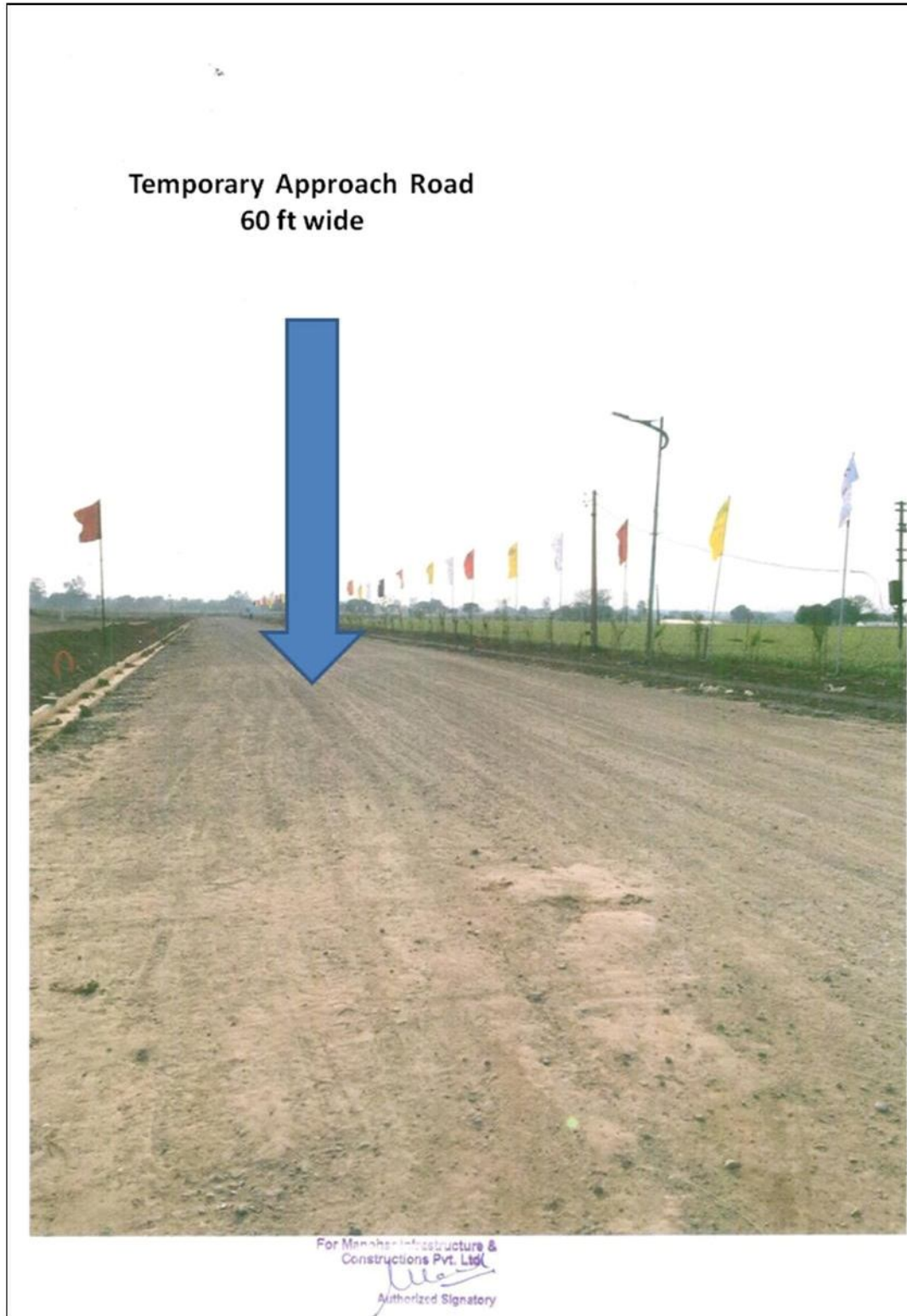
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Khasra No.	Total Area		Registry		Consent letter		AGREEMENT		layout plan area	
7// 27/2	0	10	0	10					0	10
7// 28	2	7	2	7					2	7
7// 29	2	8	2	8					2	8
7// 30/1	1	3	1	3					1	3
7// 32	1	0	1	0					1	0
7// 33	0	16.5	0	16.5					0	16.5
7// 34	1	3					1	3	1	3
8// 1	6	16	6	16					6	16
8// 2/1	4	18	4	18					4	18
8// 10/1	3	4	3	4					3	4
13// 3	0	6			0	6			0	6
13// 4/1	5	15			5	15			5	15
13// 4/2	1	7	1	7					1	7
13// 5	8	0	8	0					8	0
13// 6/2	2	4	2	4					2	4
13// 7/1	1	7	1	7					1	7
13// 7/2	2	17	2	17					2	17
13// 14/1	1	17	1	17					1	17
13// 15/2	1	2	1	2					1	2
13// 17	2	0	2	0					2	0
13// 24	3	2	3	2					3	2
Total Area	54	2.5							54	2.5

	Kanal	Marla	Acre
Dhanoura	607	11.68	75.948
Mastgarh	336	15	42.09375
G.total	944	6.68	118.04175

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**Annexure-3**







**Annexure-4**



