

161.05 Environment Clearance for expansion for Affordable Group Housing Project at Village Wazirpur, Sector-95 A, Gurgaon, Haryana by M/s Forever Buildtech Pvt. Ltd.,

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 14.11.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for appraisal in the 161st meeting of the SEAC held on 29.11.2017.

The Project Proponent requested for adjournment and the same was discussed in the meeting. The Committee acceded to the request and decided to list the project in the 162nd meeting of the SEAC to be held on 13.12.2017. It was also made clear to the Project Proponent that no separate letter will be issued for attending the meeting of the SEAC.

161.06 EC for proposed Terms of Reference of “Mounded Storage Vessels at Bharat Petroleum Corporation Ltd” at Village Dhansu, District Hisar, Haryana by M/s Bharat Petroleum Corporation Ltd, BPCL LPG Bottling Plant.

Project Proponent : Sh. Y.C. Pandey, Authorised Signatory
Consultant : SGS Consultants

The project was submitted to the SEIAA, Haryana on 22.09.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 126th meeting of the SEAC held on 27.01.2016 and conveyed to the project proponent vide letter No. 615 dated 10.02.2016. The PP submitted the EIA/EMP on 25.07.2017. Thereafter, the case was taken up for appraisal in the 157th meeting of the SEAC held on 30.08.2017. The Project Proponent requested for adjournment and the same was discussed in the meeting. The Committee acceded to the request and decided to list the project in the 158th meeting of the SEAC. Accordingly the notice will be issued by the Secretary, SEAC to the Project Proponent.

Thereafter, the case was taken up in the 158th meeting of the SEAC held on 27.09.2017.

After detailed discussions, following observations were observed:

1. The PP should submit the audited CSR report.
2. The PP should submit special mitigation measures of air pollution due to vehicular/traffic movement.
3. The PP should submit the hydraulic design of ETP.
4. The PP should submit the hydraulic design of STP with calculation less than 10 BOD.
5. The PP should submit the details of existing green and proposal for revised plan.
6. The PP should submit the site specific details of rain water harvesting.
7. The PP should submit the compliance report of Public Hearing.
8. The PP should submit the one month fresh data of ambient air quality (3 Locations at 120⁰).
9. The PP should submit the revise rain water harvesting plan as per CGWB guidelines.

The observations of 158th meeting were conveyed to the PP vide letter No. 2278 dated 12.10.2017. The PP submitted the reply on 08.11.2017. Thereafter, the case was taken up in the 161st meeting of the SEAC held on 29.11.2017.

The proposal is for environmental clearance for installation of three mounded storage vessels (3x300 MT) at existing LPG Plant of BPCL at Hisar. The proposed three mounded storage vessels have been designed based on the OISD Standard 144 Latest Revision and OISD Standard 150 Latest Revision, SMPV (U) Rules – 1981, ASME / API / BIS Codes Pertaining to LPG.

BPCL's existing LPG plant is engaged in storage and bottling of Liquefied Petroleum Gas (LPG) for industrial and domestic cylinders. The existing LPG bottling plant has above ground storage of 560 MT LPG (4 bullets of 125 MT capacities each & one bullet of 60 MT capacity). The LPG plant was commissioned in 1988.

The area of existing LPG plant is 14.925 Acres and no additional land will be used for installation of three mounded storage vessels (3x300 MT) at existing LPG Plant. For installation of mounded vessels, existing above ground vessels will be dismantled accordingly in phased manner after stabilization of proposed mounded vessels.

The SEAC examined the proposal and noted that the proposal is for Environment Clearance for "Mounded Storage Vessels at Bharat Petroleum Corporation Ltd" at Village Dhansu, District Hisar, Haryana by M/s Bharat Petroleum Corporation Ltd, BPCL LPG Bottling Plant. The existing BPCL's LPG plant is located on Khasra Nos.- 1208/21 & 22; 1209/25; 1270/5,6,15,16 & 20; 1271/1,2,9,10,11 & 12; 1284/5, 20 of village Dhansu in Hisar District of State Haryana. The Latitude & longitude of the LPG plant are 29°11'25.71"N and 75°44'59.29"E, respectively. There is no establishment, railway line, national highway, habitation, etc within 500 m distance from the LPG plant near Dhansu in Hisar District. No national park, wildlife sanctuary, biosphere reserves, tiger/elephant reserves, and wildlife corridors etc. within 10 km distance. The PP has proposed/provided green belt on 33.5 % *i.e.*, 20234.36 m² out of 60399.57 m² of area of the plant. The number of existing trees 325 numbers and proposed trees 925 numbers. The water required for domestic and washing of cylinders is 10 kld. The source of water is bore well and canal water. Fire water storage is 5100 kl fire emergencies.

The PP has further informed that Effluent Treatment Plant (ETP) of 10 KLD is already in operation at the existing plant to treat the effluent generated through washing of tested cylinders. Treated water from ETP is re-used for cylinders washing. Sludge generated from ETP is stored in pit. Hydraulic design of ETP with capacity of 10m³/day. Sewage generated from the plant is disposed through existing septic tanks & soak pits. It is proposed to install sewage treatment plant (STP) to treat the sewage generated from toilets and waste water generated from canteen. STP design capacity is 10m³/day (MBBR Technology).

The existing LPG Plant is Zero discharge unit and treated waste water is used for green belt purpose. Demand of electricity is approx 190 KW. The LPG plant has D.G sets of 365KVA, 250 KVA and 62.5 KVA, which are available for backup power source in the event of grid power failure.

The estimated capital cost of the proposed installation of three mounded vessels is approx. Rs. 17.61 Crores. The capital cost earmarked towards environmental pollution control measures is Rs 0.68 Crores and the recurring cost (operation and maintenance) for environmental management will be about Rs 0.18 Crores per annum. At the existing LPG Plant, 55 m x 21 m (1155 sqm) area has been earmarked for parking of tank/LPG lorries. PP informed that the parking area is sufficient for 20 Trucks. However, maximum 7 to 8 trucks are required to be parked at one point of time at existing LPG Plant. No truck/vehicle is allowed to park out site the LPG plant on the road.

During construction phase, the total requirement of manpower for the existing LPG plant is about 80 persons (management and non-management staff- 30 & unskilled workers-50). Additional 20 manpower will be required during operation phase after construction of three mounded storage vessels.

Approx 5 kg municipal solid waste is generated at existing LPG plant, which is disposed as per Solid Waste Management Rule, 2016. Two rain water harvesting pits of size 3.4 m x 2.3 m and 4.2 m x 4.5 m have been provided at existing LPG Plant to recharge the ground water aquifers. Total 10 numbers of rainwater harvesting pits will be provided at existing LPG Plant of BPCL. Before the desilting tank of rainwater recharge pits, oil interceptor shall be provided. Necessary safety measures including two safety relief valves at, (SRV), two independent level indicators, a high-level switch, pressure gauge, high

level alarms, remote operated valves Deluge/water sprinkling system, automatic fire protection (fixed) system, etc have been provided at each LPG storage vessels.

The project activity is listed at 6 (b) in the Schedule of EIA Notification, 2006 and is of 'B' Category Based on the information submitted by the project authorities. The SEAC recommends this project for EC under provision of EIA Notification, 2006 subject to the compliance of the following Specific and General conditions:

SPECIFIC CONDITIONS

1. The project authorities shall strictly comply with the provision made in Manufactures. Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
2. The Company shall obtain all requisite clearances for fire safety and explosives and shall abide by the stipulations made by the respective authorities.
3. Regular Ambient Air Quality Monitoring shall be carried out for VOC and HC beside other parameters in ambient air around the plant. The location and results of existing monitoring stations will be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and required. It will be ensured that at least one monitoring station is set up-wind & in down-wind direction along with those in other directions.
4. The company shall install all safety and equipment as per OSID guidelines.
5. The PP will take into consideration the out come in case of fire & explosion situations i.e. pool fire, jet fire, tank fire, unconfined vapor cloud explosive (BLEVE), confined and physical explosion and based on the calculations for the above out comes for heat radiations, flame length, fire ball, fire duration, flame length and over pressure during undefined explosion, jet fire and BLEVE. The PP will draw a line diagram of the site showing safe and danger zone in the factory premises and surrounded areas as the project is surrounded by other oil depots also. The calculations along-with line diagrams should be got approved from the competent authority prior to construction of the expansion project.
6. Occupation health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
7. Greenbelt should be developed to mitigate the effect of fugitive emissions on the periphery of the land in question.
8. Noise level will be within the approved limits of 80 dB (A). The practice of acoustic plant design shall be adopted to limit noise exposure for personnel to an 8 hour time weighted average of 90 dB (A).
9. Regularly monitoring of VOC and HC in the Work Zone Area in the plant shall be carried and data be submitted to Ministry's Regional Office, SEIAA & HSPCB.
10. The company shall harvest surface as well as rainwater from the rooftops of the building proposed in the project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.

GENERAL CONDITIONS

1. The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB), the State Government and any other statutory body.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA Haryana.
3. The overall noise levels in and around the plant shall be limited within the prescribed standards by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time and 70 dBA (night time).
4. The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.
5. The stipulated conditions will be monitored by the concerned Regional Office of this Ministry/SEIAA/State Pollution Control Board.
6. The PP should inform the public that the project has been accorded EC by the SEIAA and copies of the clearance letter available with the State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana.

7. The date of Financial Closure and final approval of the project by the concerned authorities and the date of commencing the land development work as well as the commissioning of the project will be informed to the SEIAA.
8. Proper Housekeeping and adequate occupational health programmes shall be taken up. Regular Occupational Health Surveillance Programme for the relevant diseases shall be carried out and the records shall be maintained properly at least 10 years. Sufficient preventive measures shall be adopted to avoid direct exposure to emission and other Hydrocarbons etc.
9. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
10. The SEIAA reserves the right to stipulate additional conditions found necessary. The company will implement these conditions in time bound manner.
11. The above conditions will be enforced, inter-alia under the provision of the Water (Prevention & Control Of Pollution) Act, 1974, the Air (Prevention & Control Of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 along with their amendments and rules.

161.07 Environment Clearance for Modification of Affordable Group Housing colony at village Dharampur Sector-107, District Gurgaon, Haryana having total area 9.125 Acres by M/s Signatures Builders Pvt. Ltd..

Project Proponent : Sh. Samiuddin Khan

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 14.11.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for appraisal in the 161st meeting of the SEAC held on 29.11.2017.

During presentation, the Committee was informed that it is an amendment of Affordable Group Housing Project at Village Dharampur, Sector 107, Gurgaon, Haryana. The Committee was informed that earlier while filing the application for expansion, the number of dwelling Units was written as 1454 instead of 1448 and there is no change in the total Built-up area and plot area of the project.

The project proponent has further requested the committee to treat the above application as an amendment in Environment Clearance for which the details are as under:

S.NO	PARTICULARS	EXISTING DETAILS (AS PER EC LETTER DATED 05.01.2015)	EXPANSION DETAILS (AS PER EC LETTER DATED 05.09.2017)	AMENDMENT SOUGHT IN EC LETTER
1.	Plot Area	24,786.785 m ² (6.125 Acres)	36,927.50 m ² (9.125 Acres)	36,927.50 m ² (9.125 Acres)
2.	Built-up Area	64,015.082 m ²	1,02,803.7 m ²	1,02,803.7 m ²
3.	No. of Dwelling Units	1,006	1,454	1,448
4.	Water Requirement	721 KLD	707 KLD	700 KLD
5.	Fresh Water	462 KLD	437 KLD	431 KLD
6.	Waste Water	611 KLD	659 KLD	618 KLD
7.	STP Capacity	733 KLD	791 KLD	791 KLD
8.	Solid Waste	2,737 kg/day	4,090 kg/day	4,051 kg/day
9.	RWH	6 No's	2 No's	2 Rain water storage tanks

After deliberations the Committee is of the unanimous view that there is no need to reappraise the case and decided that the case may be referred to the SEIAA for amendment in EC.

126.28(S1) Environmental Clearance for proposed 'GARHI Stone mines Along with Associated Minor Minerals' at Village-Garhi over an area of 6.70 ha in District-Mahendergarh by M/s Haryana Mining Company.

Project Proponent : Sh. Subhash Gupta

Consultant : MANTEC

The project was submitted to the SEIAA, Haryana on 06.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA / SEAC. The case was taken up for appraisal in the 125th meeting of the SEAC held on 12.01.2016.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit final Closure Plan.
2. The PP should submit detailed calculation of water requirements and its source.
3. The PP should submit site specific ground water details along with schematic diagram of water table (bgl & amsl).
4. The PP should submit rain water harvesting plan.
5. The PP should submit green area development plan.
6. The PP should submit CSR plan.
7. The PP should submit Air and Noise Pollution Control Measures.
8. The PP should submit NOC from forest and wildlife wind.
9. The PP should submit contour sheet of the area.
10. The PP should submit the scheme for disposal of domestic water and design of septic tank.
11. Looking to the extent of leased area and proposed scale of high excavation, some of the portion of the lease area may attain the ultimate mineable limit even at the end of first year itself. It is, therefore, pertinent on the part of project proponent to initiate restoration/reclamation/rehabilitation measures of the land degraded by mining operation from the beginning of second year itself.
12. Issues relating to Systematic Mine Development, Mine Safety and Stability in case of open cast working, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be mentioned. Daily explosive consumption and its legitimate storage are to be assessed. Adequate mitigating measures based on scientific studies in respect of blast induced ground vibration flying fragment and air blast are to be taken alongwith requisite precaution.

The observations of 125th meeting were conveyed to the project proponent vide letter No. 516 dated 27.01.2016. The project proponent submitted the reply of the shortcomings vide letter dated 27.01.2016.

Project proponent informed that their project had earlier been appraised in the 125th meeting and requested the Chairman to take up their case in this meeting as they have complied the observations of 125th meeting. The matter was discussed in detail and the request of the project proponents was considered and accepted unanimously by the Committee in view of Office Memorandum dated 10.11.2015 issued by the MoEF, Government of India.

Thereafter the case was taken up in the 126th meeting of the SEAC held on 11.01.2016 as additional agenda item. The reply submitted by the project proponent was discussed by the Chairman with Sh. K.S. Yadav, Mining Expert during the course of the meeting and Sh.K.S. Yadav has informed that the reply to the observation submitted by the PP is complete.

It is a proposed mining of Stone Alongwith associated Mining Minerals (Minor Mineral) Mining Project with production capacity of 22.50 Lakh MTPA (Khasra No:-7, Area – 6.70 ha). The Mine is located at Village Garhi, Tehsil – Narnaul, District - Mahendergarh, Haryana. The geographical extents of mining lease area are: Latitudes: N 28°26' 21.6" to N

28°26' 39.6'', Longitudes: E 76°06' 25.7'' to E 76° 06' 36.1''. This is a category 'B2' project. The Letter of Intent has been issued to M/s Haryana Mining Company through Shri Subhash Gupta, 9 Lalit Plaza, Ankhir Badkal Road, Faridabad-121001 (Haryana) by Director of Mines & Geology, Government of Haryana, Chandigarh vide memo no. DMG/HY/ML/Garhi/2015/7195 dated 24/07/2015. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/HY/MP/Garhi/8372 dated 07.10.2015 for Mining of "Stone along with Associated minor minerals in Garhi over an area of 6.70 hectares in Tehsil- Mahendergarh, District- Mahendergarh, Haryana for a period of 10 Years. Method of mining will be opencast semi mechanized. The total mineable reserves are 225,15,618. Life of mine is 10 years. Total water requirement for the project will be 26.0 KLD which will be used about 3.0 KLD for the drinking purpose, 3.0 KLD for the green area development and 20 KLD for dust suppression and sourced from Tanker supply. Ultimate working depth is at 250 mRL. Ground water table of lease area is at 195-200 mRL. Hence, Mining will not intersect groundwater table. There is no National Park, Wild Life sanctuaries, Biosphere Reserves, Tiger Reserves, Wild life Corridors etc. within 10 km radius. The cost of the project is Rs. 60 Lakh and Environment Protection Cost is Rs. 11.50 Lakh and CSR cost is Rs. 20 Lakh for 5 years.

The project proponent further informed the Committee that they have obtained clarification from the Mining Officer, Narnaul regarding no other operational mine falling within the 500 meters periphery and does not exceed 25 hectares.

The Committee unanimously decided to appraise the case under B2 category project on the basis of Ministry of Environment, Government of India, Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

General Conditions

- [i] Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented;
- [ii] An independent study be organized during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential stone extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of stone;
- [iii] Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing;
- [iv] The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;
- [v] The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will

be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;

- [vi] There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;
- [vii] Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured;
- [viii] A comprehensive study for slope stabilization of mine benches and OB dumps shall be undertaken within one year;
- [ix] Washing of all transport vehicle should be done inside the mining lease;
- [x] "Environmental Clearance is subject to final outcome of the Court case in Hon'ble High Court of Punjab and Haryana" or any other Court of Law;
- [xi] Native plant species as suggested by villagers / specialist may be planted; and
- [xi] Implementation of Haryana Government Rehabilitation and Resettlement of Land Owners' Policy as per applicability in the area.

SPECIFIC CONDITIONS:-

- [i] The environmental safeguards contained in the EIA / EMP Report should be implemented in letter and spirit.
- [ii] The PP will perform scientific mining as per guidelines issued by the CPCB / SPCB from time to time.
- [iii] The PP will provide tall trees with broad leaves.
- [iv] The PP will obtain Consent to Establish and Consent to Operate from the SPCB.
- [v] The PP will comply with the conditions issued by the Mining Department from time to time
- [vi] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, PLPA, 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii] The PP will not spoil the underground water quality.
- [viii] The PP will keep the emissions within prescribed norms
- [ix] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information had been given for getting approval of this project.
- [x] The PP will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court / High Courts.
- [xi] The PP will not obstruct natural drainage/make alternate effective system with prior approval from Competent Authority.

126.28(S2) Environment Clearance "Stone along with associated minor minerals of Kheribattar-I over and tentative area of 7.47 Ha.in Tehsil Dadri, Distt-Bhiwani, Haryana by M/s Quality Earth Minerals Pvt. Ltd.

Project Proponent : Sh. Mukesh Kumar,
Consultant : Vardan EnviroNet

The project was submitted to the SEIAA, Haryana on 06.01.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA / SEAC. The case was taken up for appraisal in the 125th meeting of the SEAC held on 12.01.2016 as additional agenda item.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit detailed calculation of water requirements and its source.

2. The PP should submit site specific ground water details along with schematic diagram of water table (bgl & amsl).
3. The PP should submit rain water harvesting plan.
4. The PP should submit green area development plan.
5. The PP should submit CSR plan.
6. The PP should submit Air and Noise Pollution Control Measures.
7. The PP should submit contour sheet of the area.
8. The PP should submit the scheme for disposal of domestic water and design of septic tank.
9. Looking to the extent of leased area and proposed scale of high excavation, some of the portion of the lease area may attain the ultimate mineable limit even at the end of first year itself. It is, therefore, pertinent on the part of project proponent to initiate restoration/reclamation/rehabilitation measures of the land degraded by mining operation from the beginning of second year itself.
10. Issues relating to Systematic Mine Development, Mine Safety and Stability in case of open cast working, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be mentioned. Daily explosive consumption and its legitimate storage are to be assessed. Adequate mitigating measures based on scientific studies in respect of blast induced ground vibration flying fragment and air blast are to be taken alongwith requisite precaution.

The observations of 125th meeting were conveyed to the project proponent vide letter No. 519 dated 27.01.2016. The project proponent submitted the reply of the shortcomings vide letter dated 27.01.2016.

Project proponent informed that their project had earlier been appraised in the 125th meeting and requested the Chairman to take up their case in this meeting as they have complied the observations of 125th meeting. The matter was discussed in detail and the request of the project proponents was considered and accepted unanimously by the Committee in view of Office Memorandum dated 10.11.2015 issued by the MoEF, Government of India.

Thereafter the case was taken up in the 126th meeting of the SEAC held on 11.01.2016 as additional agenda item. The reply submitted by the project proponent was discussed by the Chairman with Sh. K.S. Yadav, Mining Expert during the course of the meeting and Sh. K.S. Yadav has informed that the reply to the observation submitted by the PP is complete.

It is a proposed mining of Stone Alongwith associated Mining Minerals (Minor Mineral) Mining Project with production capacity of 18.00 Lakh MTPA (Khasra No:-136, Area – 7.47 ha). The Mine is located at Village Kheribattar, Tehsil: Dadri, District- Bhiwani, Haryana. The geographical extents of mining lease area are: Latitudes: N 28°34' 2.9" to N 28°34' 2.0", Longitudes: E 76°10' 32" to E 76° 10' 31.3". This is a category 'B2' project. The Letter of Intent M/s Quality Earth Minerals Private Limited by Mines & Geology department, Haryana vide memo no. DMG/HY/ML/Kheribattar 1/2015/8560 dated 21/10/2015. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/MP/Kheribattar-1/2015/10652-10655 dated 22.12.2015 for Mining of " Stone along with Associated minor minerals in over an area of 7.47 hectares in Village Kheribattar, Tehsil: Dadri, District- Bhiwani, Haryana for a period of 10 Years. Method of mining will be opencast fully mechanized. The total mineable reserves are 13844250 MT. Life of mine is 10 years. Total water requirement for the project will be 38 KLD which will be used for the drinking

purpose, green belt development and for dust suppression and sourced from Tanker supply. Ultimate working depth is at 163mRL. Ground water table of lease area is at 80-90mRL. Hence Mining will not intersect groundwater table. There is no National Park, Wild Life sanctuaries, Biosphere Reserves, Tiger Reserves, Wild life Corridors etc. within 10 km radius. The cost of the project is Rs. 10 Crores and Environment Protection Cost is Rs. 13.50 Lakh, CSR cost is Rs. 20 Lakh, Occupational Health and Safety is Rs. 5.0 Lakhs. The project proponent will deposit 10% of the annual contract money *i.e.* Rs. 65.85 Lakhs to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The project proponent further informed the Committee that they have obtained clarification from the Mining Officer, Bhiwani vide letter NO. 2035 dated 19.11.2015 regarding no other operational mine falling within the 500 meters periphery and does not exceed 25 hectares.

The Committee unanimously decided to appraise the case under B2 category project on the basis of Ministry of Environment, Government of India, Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

General Conditions

- [i] Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented;
- [ii] An independent study be organized during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential stone extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of stone;
- [iii] Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing;
- [iv] The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;
- [v] The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;
- [vi] There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;
- [vii] Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured;
- [viii] A comprehensive study for slope stabilization of mine benches and OB dumps shall be undertaken within one year;
- [ix] Washing of all transport vehicle should be done inside the mining lease;

- [x] “Environmental Clearance is subject to final outcome of the Court case in Hon’ble High Court of Punjab and Haryana” or any other Court of Law;
- [xi] Native plant species as suggested by villagers / specialist may be planted; and
- [xi] Implementation of Haryana Government Rehabilitation and Resettlement of Land Owners’ Policy as per applicability in the area.

SPECIFIC CONDITIONS:-

- [i] The environmental safeguards contained in the EIA / EMP Report should be implemented in letter and spirit.
- [ii] The PP will perform scientific mining as per guidelines issued by the CPCB / SPCB from time to time.
- [iii] The PP will provide tall trees with broad leaves.
- [iv] The PP will obtain Consent to Establish and Consent to Operate from the SPCB.
- [v] The PP will comply with the conditions issued by the Mining Department from time to time
- [vi] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, PLPA, 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii] The PP will not spoil the underground water quality.
- [viii] The PP will keep the emissions within prescribed norms
- [ix] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information had been given for getting approval of this project.
- [x] The PP will not violate any judicial orders/pronouncements issued by the Hon’ble Supreme Court / High Courts.
- [xi] The PP will not obstruct natural drainage/make alternate effective system with prior approval from Competent Authority.

The meeting ended with the vote of thanks to the Chair.

Annexure-‘A’

List of Participants

- | | | |
|----|--|-----------|
| 1. | Shri Raj Kumar Sapra, IFS
House No. 733, Sector-11, Panchkula | Member |
| 2. | Shri S.C. Mann,
House No. 544, Sector-12-A,
Panchkula Haryana | Member |
| 3. | Shri A.K. Bhatia,
House No. 679,
Sector-8, Panchkula, Haryana | Member |
| 4. | Shri Hitender Singh, Architect,
Department of Architecture, Haryana | Member |
| 5. | Dr. S.N. Mishra,
House No. 220, First Floor,
Sector-14, Rohtak, Haryana | Member |
| 6. | Sh. Ajay Kadian, IFS
Member Secretary,
Haryana State Pollution Control Board,
Panchkula | Secretary |

Annexure-‘B’**Terms of Reference for EIA studies in respect of the proposed Construction Projects****1.0 Introduction**

- Profile of the project proponent, name and contact address, implementing organization, organizational chart, project consultants etc., will be mentioned clearly.
- Land description- plot/ survey numbers, village, tehsil, district, state and area of the land will be mentioned clearly.
- Description of Centre/ State/ Local regulations and standards applicable for building and construction projects will be discussed.
- Any litigation(s) pending against the proposed project and/or any directions or orders passed by any Court of Law/any Statutory Authority against the project will be detailed out.

2.0 Project Description

Goal and objectives of the proposed project, significance of the project both at local and regional level, relevance of the project in light of the existing development plans of the region are to be mentioned clearly. Background information and overall scenario of the proposed activity in the Indian context, procedures adopted for selection, criteria for selection of the site for the proposed activity, such as environmental, socio-economic, minimization of impacts, ecological sensitivity, impact of existing activities on the proposed activity etc. should be spelt out. Resource and manpower requirements have to be detailed. Time frame for project initiation, implementation and completion should be detailed. Following details will be given:

- Total site area
- Total built up area (provide area details for each block) and total activity area
- Source of water and consumption, STP requirement /capacity
- Source of power and requirement
- Connectivity to the city center, utilities and transportation networks community facilities
- Parking requirements and provisions
- Type of building materials to be used
- Environmental liability of the site
- Existing structure / type of material - demolition debris etc.

Essential Toposheets / Maps which will be provided with TOR Application, are:

- A map of the study area 500 meter from the boundary of the project area, delineating the major topographical features such as land use, drainage, locations of habitats, major constructions including roads, railways, pipelines, industries if any in the area are to be mentioned.
- A map covering aerial distance of 15 km from the boundary of the proposed project area delineating environmental sensitive areas as specified in Form 1 of EIA notification dated 14th September 2006. In the same map the details of environmental sensitive areas present within a radial distance of 1 km from the project boundary shall be specifically shown.

Remote Sensing Satellite Imagery:

Land use map of the study area in appropriate scale based on Google imagery delineating the forest, agricultural land, water bodies, settlements, and other cultural features.

Digital Elevation Model / Contour Map:

Contour map on 1:10000 scale for the study area showing the various proposed break-up of the land.

- Description of the project site & surroundings, geology, topography, climate, transport and connectivity, demographic aspects, socio, cultural and economic aspects, villages, settlements should be given.
- Details of environmentally sensitive places, land acquisition, rehabilitation of communities/ villages, present status of such activities should be mentioned.
- Historical data on climate conditions such as wind pattern, history of cyclones, storm surges, earthquake etc., for the last 25 years are to be given.
- Detailed layout plan of proposed project development, communication facilities, access/approach roads, landscape, sewage disposal facilities, and waste disposal etc. will be given. Layout plan of proposed development of built up areas with covered construction such as DG set rooms, administrative buildings, utilities such as main and stand by power, water supply installations etc. to be given.
- Requirement of natural resources and their sources will be detailed out.

Site Selection and Planning

The environmental impacts of construction and operation are established during the early phases of site selection and planning. Planning, site selection and design form an important stage in the development of these projects and will determine their environmental impact(s). Some Important factors for development, which should be addressed, are:

- Status of ownership of land, licence and its validity and its collaboration agreement with the developer.
- The boundaries of the project area
- A map that identifies the locations of all proposed development activities
- A map and photo mosaic showing the area proposed to be disturbed in relation to existing topographic features, wetlands and water bodies.
- Proximity to local communities;
- Proximity to sensitive surface or ground water bodies
- Compatibility with local building regulations
- Exiting drainage pattern
- Any forest-cover within the proposed developmental area.

3.0 Description of the Environment

Environmental data to be considered in relation to building development would be: (a) land, (b) water, (c) air, (d) biological environment, (e) noise and (f) socio-economic environment.

Study Area:

Map of the study area clearly delineating the location of various monitoring stations (air, water, soil and noise) superimposed with location of habitats should be shown. Monitoring should be done as per CPCB guidelines. Primary data should be collected for one season except rainy season. Monitoring of the parameters should be carried out within the study area.

3.1 Land Environment

The first feature which should influence the development of a new project is the existing land use pattern of the neighborhood of the project, whether the proposed development conforms to the development for that area or not.

Study of land use pattern, habitation, cropping pattern, forest cover, environmentally sensitive places etc. will be conducted based on Google’s satellite imageries and ground truth and also through secondary data sources.

Geographical latitude and microclimatic factors such as solar access and wind loads have a major impact. The following parameters will be addressed under the baseline data for land environment.

a) Topography

- Slope form
- Landform and terrain analysis

b) Soil

- | | | | | |
|-----------------------------|---|-------|--------|----|
| - Type and characteristics | | (i) | 0-15 | cm |
| - Porosity and permeability | <u>For 4 different depths i.e.</u> | (ii) | 15-30 | cm |
| -Sub soil permeability | | (iii) | 30-60 | cm |
| - Inherent fertility | | (iv) | 60-100 | cm |

3.2 Air Environment

Climatological data is to be obtained from nearest India Meteorological Department (IMD) station for one full year. Micro meteorological data consisting of wind speed, wind direction, temperature, cloud cover, (amount and height), humidity, inversions, rainfall (peak and average daily rainfall) and wind rose patterns, will be collected and analyzed from secondary sources in the study area.

Baseline data of air pollutant parameters extending an area of 500 meters from the project will be monitored at a number of locations. Description of base line data of ambient air parameters namely PM₁₀, PM_{2.5}, oxides of nitrogen (NOx), sulphur dioxide (SO₂), and carbon monoxide (CO) will be collected. One season data other than monsoon is to be monitored as per the CPCB Norms. Sampling locations are to be located as per CPCB norms.

3.3 Noise Environment

Construction equipment and road traffic are the major sources of noise. Baseline data of noise at the project area and the neighbourhood habitat areas is to be ascertained. Daytime and nighttime data should be collected.

3.4 Water Environment

Identify project activity, including construction phase, which may affect surface water or groundwater. Estimate water intake requirements and identify the source of water to be used. Describe how water will be taken from the surface water/ river and conveyed to the site. Ground water budgeting has to be provided. Rainwater harvesting has to be detailed out.

Baseline water quality from all sources such as ground water, municipal water, surface water needs to be determined and compared to the water quality norms prescribed for drinking water and State PWD specifications for construction water. Quantity of wastewater is to be provided.

3.5 Biological Environment

Baseline data on the flora and fauna for the study area is to be detailed out. An inventory map is to be prepared along with a description of the existing terrestrial, wetland and aquatic vegetation. If there are any rare and endangered species in the study area they are to be clearly mentioned.

3.6 Socio Economic Environment

Baseline data should include the demography, settlements, existing infrastructure facilities in the proposed area.

3.7 Solid Waste

Solid wastes from construction sector can be categorized into two phases i.e. during construction & during operation. Details of the following are to be given:

- Construction or demolition waste, i.e., passive and inert waste
- Municipal waste, i.e., biodegradable and recyclable waste
- Hazardous waste
- E-waste
- Details of authorized municipal solid waste facilities, biomedical treatment facilities and hazardous waste disposal facilities in the area should be included.

4.0 Anticipated Environmental Impacts and Mitigation Measures:

4.1 Land Environment

Anticipated Impacts:

Some of the anticipated impacts, which needs to be addressed, are:

- Impact on the natural drainage system and soil erosion
- Loss of productive soil and impact on natural drainage pattern.
- Study of the problem of landslides and assessment of soil erosion potential and the impact

Mitigation Measures:

Proper mitigation measures have to be suggested:

- If the topsoil is proposed to be preserved, the details relating to the quantity of topsoil stored, demarcated area on plan where it is stored along with preservation plan is to be given
- Details of soil erosion plan are to be given.

4.2 Air Environment

Anticipated Impacts:

Impacts on air quality during the construction and operation phase should be predicted. The existing surrounding features of the study area and impact on them should be addressed separately. It is necessary to predict the following, if any:

- Prediction of point source emissions
- Prediction of air emissions from the vehicles during the construction and operation phases

Mitigating Measures:

Mitigative measures are to be proposed during the construction stage as well as the operational stage of the project. Some measures which should be listed include:

- Mitigative measures during construction phase to reduce the emissions during loading, un-loading, transportation and storage of construction materials
- Greenbelt development
- Dust mitigation

4.3 Noise Environment

Impact of project construction / operation on the noise on account of construction equipment and road traffic is to be studied.

Anticipated Impacts:

- Noise due to demolition / construction activities
- Impact due to present and future transportation activities
- Impact of noise due to work at night.

Mitigating Measures:

Site plan and details for construction management showing the layout of noise and dust barriers should be given.

4.4 Water Environment

Impact of construction and operational phases on the surface and ground water on account of the building construction is to be estimated.

Anticipated Impacts:

- Impact of water withdrawal on surface water is to be given.
- Impact on ground water potential is to be detailed.
- Waste water generation

Mitigating Measures:

- Prediction of ground water contamination and suggested mitigating measures to minimize the pollution level.
- Hydro geological information should be clearly detailed
- Details of water conservation within the buildings
- Details of rainwater harvesting to recharge the ground water

4.5 Biological Environment

Impact of project during construction and operational phases on the biological environment on account of project activity is to be detailed.

Anticipated Impacts:

- Impact of construction activity on flora and fauna is to be given.

Mitigating Measures :

- Tree survey plan showing protected/preserved/transplanted/removed trees are to be given.
- Proposed landscape plan with details about species that are to be planted are to be given

4.6 Socio Economic Environment

Anticipated Impacts:

- Predicted impact on the communities of the proposed activity is to be given.
- Impact on surroundings on socio-economic status is to be detailed.

Mitigation Measures:

Mitigation measures to reduce adverse effects are to be given.

4.7 Solid Waste and Environment

Anticipated impacts

Impact of the project during construction and operational phases for generation of waste is to be assessed.

Mitigation Measures:

Options for minimization of solid waste and environmentally compatible disposal are to be given. Management and disposal of temporary structures, made during construction phase are to be addressed. Mitigation measures for handling biomedical wastes, e-wastes and municipal solid wastes are to be detailed.

5.0 Specific Studies

Describe the project energy requirement, infrastructure requirement needed for this activity. Discuss the steps taken to integrate the needs of other stakeholders into the location and design of access infrastructure to reduce and manage overall environmental impacts from resource development.

5.1 Transport

- Estimate any environmental implications from transportation (rail, road) related emissions associated with the construction and operational phases and suggest suitable options.
- Provide a site plan showing the details of connectivity existing and proposed road and rail transport.
- Provide a site plan showing buildings, roads, and open spaces, confirming the hierarchy of roads as per the rules given by UDPFI guidelines.
- Discuss the impacts of increased vehicle traffic and requirements for access improvements on roads in the site development area as a result of the project, considering other existing and planned developments and operations in the region including what measures will be taken to reduce traffic and enhance vehicle safety on external roads
- Discuss any expected change in traffic volume by Average Annual Daily Traffic (AADT) and any seasonal variability in traffic volume (including mitigation measures) prior to construction, during construction and at full site operation

5.2 Building Material and Technologies

- Detail the types of materials use in each component part of the building and landscape (envelope, superstructure, openings, and roads and surrounding landscape).

- Detail out the plans and sections of buildings showing use of new technologies and non-conventional methods
- Detail out the plans and sections of building using new construction techniques

5.3 Energy Conservation

- Use of alternative renewable resources such as solar / wind power etc. is to be discussed
- Discuss the options considered for supplying the power required for the project and the environmental implications, including opportunities to increase the energy efficiency of the project.
- Details of U & R values are to be given.
- Details of the renewable energy systems (sizing and design), building costs and integration details are to be provided

6.0 Environmental Monitoring Program

- Frequency, location, parameters of monitoring
- Compilation and analysis of data and reporting system

7.0 Additional Studies

7.1 Risk Assessment (RA) and Disaster Management Plan (DMP)

Discuss emergency plans for any environmental risks and such as earthquakes:

- Types of emergency; internal and external origin
- Emergency evacuation plan
- Emergency procedures
- Helipad facilities for buildings with height beyond 60 meters

7.2 Natural Resource Conservation

Plan of action for conservation of natural resources and recycle waste materials due to the project activity in the construction and operational phase of the project is to be discussed.

8.0 Project Benefits

This section details out the improvements in physical infrastructure, social infrastructure, if any. Also detail out any employment potential and other benefits that are accrued if the project is taken up.

9.0 Environmental Management Plan (EMP)

Detailed EMP may be formulated to mitigate the residual impacts which should inter alias include the impact due to change in land use; due to loss of agricultural land and grazing land besides other impacts of the projects. Budgeting of the EMP may be included in EIA. The EIA should discuss in detail the following aspects:

a) Sewage Treatment Plant

- Sewage Treatment Plant has been designed to treat the wastewater from the building. The wastewater be treated to tertiary level and after treatment, reused for flushing of toilets in apartment building and gardening.
- Treated water reused for landscaping, car washing etc. and partly discharged.
- Treated sewage should conform to E(P) Rules.
- Sewage Treatment Plants are to be monitored on regular basis.
- Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed off as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
- Spent oil from DG Sets should be disposed off through registered recyclers only.
- Provision of effective controls and building management systems such as Automatic Fire Alarm and Fire Detection and Suppression System etc. must be ensured. Adequate access to fire tenders should be provided
- Provisions should be kept for the integration of solar water heating system and other energy conservation methods

10.0 Summary & Conclusion (Summary EIA)

This document should summarize the significant findings of the EIA report. The summary should describe each significant environmental issue and its resolution in sufficient details so that its importance and scope, as well as the appropriateness of the approach taken to resolve it are well understood. Wherever possible, the summary should make use of base maps, tables and figures given in the report. The following should be addressed in the summary if applicable:

- Potential interruption or limitation of accesses to dwellings, businesses or productive resources either permanently or temporarily;
- Encroachment or reduction of green areas, parks, and other recreational areas. Demolition of buildings high architectural or historical value;
- Potential deterioration of urban quality and property value in the immediate vicinity of the works or deterioration of unique architectural characteristics in the neighbourhood;

11.0 Disclosure of Consultant engaged:

This chapter shall include the names of the consultants engaged with their brief resume and nature of consultancy rendered.

12.0 Corporate Environmental Responsibility:

- Does the company have a well laid down Environment Policy approved by its Board of Directors ? If so it may be detailed in the EIA report.
- Does the Environment policy prescribed for standard operation process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norm / conditions ? If so, it may be detailed in the EIA.
- What hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
- Does the company have a system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.

Enclosures**Conceptual Plan/Questionnaire/Photos****Additional ToRs:-****Project specific additional suggestions:**

1. The PP should submit a copy of the valid license alongwith collaboration agreement and revenue record of the area of the project.
2. The PP should submit contour plan, Master plan, car parking plan, traffic circulation plan, elevation section plan, perspective view plan and area demarcation plan as per the latest definition given by MOEF-GOI alongwith with latest photograph and development in 500 meters of the project site.
3. The PP should submit the status of the construction of their project giving a duly notarized affidavit.
4. The PP should submit the assurance of the supply of the water during construction phase from safe area through tankers and permission from CGWA for using the ground water of the existing borewell including permission from HUDA for supply of water during operation Phase with detailed clarification from HUDA regarding availability of water in the area.
5. The PP will submit detailed dual plumbing system for recycling the treated water.
6. The PP should submit NOC from the Forest Department indicating that the area under consideration does not fall under the Forests Acts and Section 4 & 5 of PLPA. The PP should also submit NOC from Deputy Commissioner concerned regarding Aravali Notification dated 07.05.1992.
7. The PP should submit the hydraulic design of STP with dimension of each component.
8. The PP should submit detailed Solid Waste Management plan.
9. The PP should submit landscape plan (Green area, Avenue Plantation, Organised green and Water Body(5%)) indicating minimum area of 30% of the project area. Following details of green belt should be given:
 - a) Width, length and area to be covered;
 - b) Number of rows of trees to be planted; and
 - c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.
10. The proponent of the building construction project is required to submit risk assessment identifying the detailed/ hazards involved during construction phase and operation phase, causes of such hazards and their mitigating measures.
11. The proponent is required to submit the energy (power) balance plan qualitatively and quantitatively taking into account the various aspects like total energy required, sources of energy inputs and outputs. Account for total energy saving incorporated to solar passive techniques in building design, enhanced building material specifications, use of designing energy efficient lighting techniques to minimize the load on conventional systems (heating, cooling ventilation and lighting) use of renewal energy sources like solar water heaters and photovoltaic systems, by adopting various lighting/power control systems and by using advance electrical system like power transformers , energy efficient motors and diesel generators, efficient effluent water treatment systems referred in NBC 2005 and MOEF GI guidelines.
12. Prepare complete risk assessment plan of the fire fighting systems (water sprinkling system, water hydrant system, chemical fire extinguishers systems, capacity and storage of water for fire fighting, man power for fire fighting and protective clothing for fire

- fighters and liaison with the district fire fighting teams and other district authorities for use) in case of fire fighting and fire rescue system taking into account all the building design features with line diagrams of the fire fighting system and rescue systems indicating the codes, and standards and specification used with reference to NBC 2005
13. Explain with line diagrams of sewer, drainage system (septic tank, effluent treatment plant) and ducting system like natural or forced draught to be provided to avoid the accumulation of the hazardous sewer gases and underground explosion in the building construction phase and operation phase.
 14. Ensure the detailed orientation plan of the site/building pertaining to wind rose and solar orientation to achieve better natural light and ventilation in terms of air changes per hour in all parts of the occupancy, kitchen, toilets, basement, DG Set rooms and staircases etc.
 15. The PP should submit the dispersion model for ambient air quality on the basis of analysis report as per the latest standard of the November, 2009 and ensure dispersion modeling of 24 hours concentrations for NO₂, SO₂, CO, PM₂₅, PM₁₀.
 16. As per your project report your project falls in seismic zone, specify the standards and codes used in building construction to minimize the risk of natural calamities like wind, load, seismic load (earthquake), thunder storm/lightning etc. as per NBC 2005.
 17. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit based on field test and also submit Rain water harvesting maintenance plan.
 18. The PP should submit the legible reports in all respects.
 19. The report shall be duly signed by the Project Proponent and the Consultant on all the pages.



should be no traffic congestion near the entry and exit points of the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.

[xvi] The power back up will not be more than 100% of the total load.

[xvii] Project proponent will use excess treated water in water bodies and for construction work at other sites. Treated water will not be allowed to go waste and enter into sewer.

PART-B. GENERAL CONDITIONS:

[i] The environmental safeguards contained in the EIA / EMP Report should be implemented in letter and spirit.

[ii] Six monthly compliance reports should be submitted to the HSPCB and Regional Office, MoEF, GoI, Northern Region, Chandigarh and a copy to the SEIAA Haryana, Panchkula.

[iii] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information had been given for getting approval of this project.

[iv] The PP will start construction only after getting NOC from the Forest Department that the area under consideration does not fall under Section 4 and 5 of PLPA-1900.

[v] 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, PLPA, 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.

[vi] The PP will use LEDs in Godowns also to further improve the electricity saving for which PP agrees.

[vii] The PP will provide tall trees with broad leaves.

[viii] The PP will provide Helipad facility in all the towers/ buildings where the height is more than 200 meters.

[ix] The PP will provide at least one hydraulic lift.

[x] The PP should ensure that natural drainage line is not disturbed and is maintained properly.

[xi] The PP will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court / High Courts.

127.17(S2) Environmental Clearance for the proposed "Stone Along with Associated Minor Minerals" at 'Maikalan & Maikhurd' over an area of 3.65 Ha. In Tehsil Dadri, District-Bhiwani by M/s Hari Har Mining Company.

Project Proponent : Sh. Yogesh Singh

Consultant : Vardan EnviroNet

The project was submitted to the SEIAA, Haryana on 06.10.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA / SEAC. The case was taken up for appraisal in the 125th meeting of the SEAC held on 12.01.2016.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit final Closure Plan.
2. The PP should submit detailed calculation of water requirements and its source.
3. The PP should submit site specific ground water details along with schematic diagram of water table (bgl & amsl).
4. The PP should submit rain water harvesting plan.
5. The PP should submit green area development plan.
6. The PP should submit CSR plan.
7. The PP should submit Air and Noise Pollution Control Measures.
8. The PP should submit NOC from forest and wildlife wind.
9. The PP should submit contour sheet of the area.
10. The PP should submit the scheme for disposal of domestic water and design of septic tank.
11. Looking to the extent of leased area and proposed scale of high excavation, some of the portion of the lease area may attain the ultimate mineable limit even at the end of first year

itself. It is, therefore, pertinent on the part of project proponent to initiate restoration/reclamation/rehabilitation measures of the land degraded by mining operation from the beginning of second year itself.

12. Issues relating to Systematic Mine Development, Mine Safety and Stability in case of open cast working, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be mentioned. Daily explosive consumption and its legitimate storage are to be assessed. Adequate mitigating measures based on scientific studies in respect of blast induced ground vibration flying fragment and air blast are to be taken alongwith requisite precaution.

The observations of 125th meeting were conveyed to the project proponent vide letter No. 514 dated 27.01.2016. The project proponent submitted the reply of the shortcomings vide letter dated 10.02.2016.

Project proponent informed that their project had earlier been appraised in the 125th meeting and requested the Chairman to take up their case in this meeting as they have complied the observations of 125th meeting. Further, the PP has intimated that he had already submitted a copy of compliance report to Special Invitee Sh. K. S Yadav. The matter was discussed in detail and the request of the project proponents was considered and accepted unanimously by the Committee in view of Office Memorandum dated 10.11.2015 issued by the MoEF, Government of India.

Thereafter the case was taken up in the 127th meeting of the SEAC held on 16.02.2016 as additional agenda item. The reply submitted by the project proponent was discussed by the Chairman with Sh. K.S. Yadav, Mining Expert during the course of the meeting and Sh. K.S. Yadav has informed that the reply to the observation submitted by the PP is complete and the same has been placed on file. The Committee is of the unanimous view that the case will be taken up in the next meeting of the SEAC to be held on 25.02.2016 and 25.02.2016.

Thereafter, the case was taken up in the 128th meeting of the SEAC held on 26.02.2016.

The Project Proponent has proposed the Mining of Stone along with associated Minor Mineral of Mai Kalan and Mai Khurd over and tentative area of 3.65 Ha.in Tehsil Dadri, Distt-Bhiwani, Haryana having production capacity 10,00,000 TPA. The mine lease area 3.65 Ha. lies in Village Mai Kalan and Mai Khurd, Tehsil: Dadri, District- Bhiwani (Haryana). The land use of the lease area is Govt. waste land (Gair mumkin Pahar). No forest land is involved. The LOI of mining lease was granted to M/s Hari Har Mining Company by Mines & Geology department, Haryana vide memo no. DMG/HY/ML/Maikalan & Maikhurd/2015/7189 dated 24/07/2015 dated 21/10/2015. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/MP/Mai kalan Mai Khurd/2015/8765 dated 04.11.2015. The Latitudes and Longitudes of MLA North N 28° 27' 15", N 28° 27' 15.5", N 28° 26' 41" and N 28° 26' 45" and East E 76° 06' 53" , E 76° 06' 54.4", E 76° 06' 36" and E 76° 06' 31" on Survey of India toposheet (OSM) numbers 53 D/2. The Project is located in Seismic zone-II. As per the notification from Ministry of Environment & Forest, New Delhi dated 14.09.2006 and MoEF circular dated 24.12.2013, and the MoEF&CC notification dated 15.01.2016, the project is less than 25 Ha. and no another lease area within 500 m radius hence, the project falls under B2 category.

Method of mining is opencast method (fully-mechanized). The total water requirement is 22 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 65 meters bgl; no ground water interception during the mining operations is envisaged as ground water table is 71m bgl. A safety margin of 2m will be maintained above the ground water table and no mining operation will be permitted below this level. Project Proponent reported that no National Parks, Wildlife Sanctuaries, Tiger Reserves, eco sensitive Zones falls within study area (10 km radius of the mine boundary).

The capital cost of the project is Rs. 2.5 Crores; for CSR Rs. 17.0 Lakhs/annum will be allocated and cost for Environmental Protection is Rs. 11.50 Lakhs. Budget for Occupational Health and Safety is Rs. 5.0 Lakhs. The project proponent will deposit 10% of the annual contract money i.e. Rs. 75, 10,000 Lakhs to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

There is no lease area within 500m radius from this mining Stone Block, hence this mine block falls under category B2. A certificate in this regard was issued by Mining Officer, Bhiwani vide letter No. Mining/BWN/Lease/1516 dated 04/08/2015. In view of the MOEF&CC OM dated 24.12.2013 and MoEF&CC notification dated 15.01.2016 this mining project was appraised under category B2.

The Committee unanimously decided to appraise the case under B2 category project on the basis of Ministry of Environment, Government of India, Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

General Conditions

- [i] Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented;
- [ii] An independent study be organized during peak activity, to understand how the actuals compare with the carrying capacities and further decisions taken to maintain sustainability of this essential stone extraction and supply activity. Project Proponent shall ensure that the road may not be damaged due to transportation of stone;
- [iii] Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing;
- [iv] The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;
- [v] The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;

- [vi] There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;
- [vii] Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured;
- [viii] A comprehensive study for slope stabilization of mine benches and OB dumps shall be undertaken within one year;
- [ix] Washing of all transport vehicle should be done inside the mining lease;
- [x] "Environmental Clearance is subject to final outcome of the Court case in Hon'ble High Court of Punjab and Haryana" or any other Court of Law;
- [xi] Native plant species as suggested by villagers/specialist may be planted; and
- [xi] Implementation of Haryana Government Rehabilitation and Resettlement of Land Owners' Policy as per applicability in the area.

SPECIFIC CONDITIONS:-

- [i] The environmental safeguards contained in the EIA /EMP Report should be implemented in letter and spirit.
- [ii] The PP will perform scientific mining as per guidelines issued by the CPCB/SPCB from time to time.
- [iii] The PP will provide tall trees with broad leaves.
- [iv] The PP will obtain Consent to Establish and Consent to Operate from the SPCB.
- [v] The PP will comply with the conditions issued by the Mining Department from time to time
- [vi] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, PLPA, 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii] The PP will not spoil the underground water quality.
- [viii] The PP will keep the emissions within prescribed norms
- [ix] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information had been given for getting approval of this project.
- [x] The PP will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court / High Courts.
- [xi] The PP will not obstruct natural drainage/make alternate effective system with prior approval from Competent Authority.
- [xii] The PP shall ensure compliance of all NGT orders.
- [xiii] Wherever, further legitimate, systematic and safe advancement/excavation is not feasible due to boundary constraints, PP shall ensure restorations, rehabilitation of broken / degraded land immediately.
- [xiv] PP shall ensure scientific monitoring of blasting operations in respect of blast induced ground vibration, flying fragments and air blast.
- [xv] The PP should ensure the compliance of court order / NGT order issued from time to time.

detailed area statement of the project. The PP should submit the details in different colours marked on elevation as well as on plan.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/ filing.

130.10(S1) Environment Clearance for Proposed Construction of Super Speciality Hospital & Medical College in Revenue Estate of Village-Palwali & Badshahpur at Faridabad by M/s Mata Amritanandamayi Math.

Project Proponent : Sh. Rajesh Thampi, Authorised Representative

Consultant : Ind Tech House Consult

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 06.01.2016 as per check list approved by the SEIAA / SEAC.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 11.01.2016 and conveyed to the project proponent vide letter No. 539 dated 27.01.2016. The PP submitted the EIA/EMP report vide dated 08.03.2016. Thereafter the case was taken up for appraisal in the 129th meeting of the SEAC held on 15.03.2016 as additional agenda item.

After detailed discussions, the following shortcomings were concluded:

1. PP should submit revised Form I, Form IA and Conceptual Plan.
2. PP should submit revised water balance diagram.
3. The PP should submit detailed design calculations of ETP and STP alongwith dimension of each component and submit unit wise reduction of BOD for ETP and STP including hydraulic design.
4. The PP should submit MSW Bio composting plan in open area.
5. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
6. The PP should submit revised design of recharge pit and de-silting chamber.
7. The PP should submit detailed green belt plan viz:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and
 - (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.

The project proponent had undertaken to submit compliance of above point within 5 days and requested for considering their case for appraisal in the next meeting of the SEAC to be held on 29-03-2016. It was unanimously decided by the Committee that in case the PP submits the reply on the above mentioned observations within 5 days, this case will be considered in the next meeting to be held on 29-03-2016. It was also made clear to the Project Proponent that no separate letter will be issued for attending the meeting of the SEAC to be held on 29.03.2016.

During presentation, the Committee was informed that it is a Proposed a Super specialty hospital in revenue estate of village- Palwali & Badshahpur at Faridabad, Haryana. The estimated cost of the project is Rs. 788 Crores. The proposed project is planned on a total Plot area of 308957.04 sq m where the project is to be developed in a phase manner. At present the pocket

area for the project considered is 195074 sqm for hospital block. The total built up area for hospital block is 393784.24 sq m. The project will comprise of 2B+LG+UG+SERV+12 Floors. The maximum height of the building is approx. 50.4 meters. It was also informed that the green area development for the pocket is 27.67% (i.e. 53990 Sq. Meter approximately) of the total Hospital Pocket Area 195074 Sq. Meters . The total water requirement for the project will be 3261 KLD (i.e. 1415 KLD of fresh water & 1846 KLD of recycled treated water). The waste water generation will be 1453 KLD which will be treated in two STPs having total capacity of about 1800 KLD. The STP treated water will be used for DG cooling, horticulture and other misc. purposes.

The Air quality data shows exceeding baseline in respect of PM₁₀ and PM_{2.5} parameters which ranges approximately from 324 and 202 respectively. Incremental air pollution in respect of PM is 0.04 µg/m³. PP has submitted special mitigative measures for controlling air pollution for construction phase and operation phase which includes 5 meters high barricade wall at the periphery, broad leafy trees would be planted as green belt, trees with heavy foliage would be planted on both side of carriage way, ultra low sulphur Diesel (5 ppm) would be used as fuel in DG Sets, Stack height of DG set would be as per CPCB norms. These measures would minimize the impact on air environment.

It was informed by the project proponent that the power requirement for the project will be 15552 KW and for power back up they will install 8 No. of DG Sets of 8000 KVA capacity. Parking requirement for the project as per Haryana Bye Laws is 3193 ECS, but the parking proposed to be provided in the project is 3209 ECS. They have fire and safety plan as per the National Building Code for which the PP has submitted the duly approved fire fighting plans. There will be total solid waste generation of 5.15 TPD (including Bio Medical Waste). The calculations of the same are in accordance with the prescribed norms. It was pointed out that the required water for the project will be provided through HUDA Municipal supply.

Detailed discussions were held about Solid Waste Management, rain water harvesting, fire fighting plan, noise and vibration plan, health and welfare of the laborers, electrical hazard plan, environment monitoring plan, energy conservation measures and environment management plan. There will be 31 numbers of rain water harvesting structures (27 for roof top and 4 for parking areas) as approved by the Central Ground Water Authority (CGWA). The mitigation measures were found in order by the Committee.

Area statement for Super Specialty Hospital is as under:

1	Total Plot Area	3,08,957.04 sqm
2	Pocket Area	1,95,074 sqm
3	Ground Coverage	42,588 sqm
4	FAR Area	2,39,491.82 sqm
5	Non FAR Area	154292 sqm
6	Proposed Built up Area	3,93,784 sqm
7	Green Area	53,990 sqm
8	Area under road / pavement / open / RWH / Services	98,496 sqm

After deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA

Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

- [1]** "Consent for Establish" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2]** A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3]** Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4]** All the topsoil excavated during construction activities shall be stored for use in horticulture/ landscape development within the project site.
- [5]** The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [6]** 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7]** The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [8]** The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [9]** Ambient noise levels shall conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/ MoEF.
- [10]** Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11]** Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [12]** Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13]** In view of the severe constraints in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.
- [14]** Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [15]** Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is

desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

- [16]** The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [17]** Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.
- [18]** The Project Proponent as stated in the proposal shall construct total 10 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.
- [19]** The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [20]** The Project Proponent shall obtain assurance from the DHBVN for supply of 7084.82 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [21]** Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.
- [22]** The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.
- [23]** The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [24]** Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [25]** The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [26]** The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [27]** The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.
- [28]** The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [29]** The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [30]** The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.
- [31]** The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.

- [32]** The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units / flats thereafter.
- [33]** The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out / commercialized.
- [34]** The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [35]** The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [36]** The project proponent shall seek specific prior approval from concerned local Authority / HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA / Local authorities beside other required services before taking up any construction activity.
- [37]** The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [38]** The project proponent shall discharge excess of treated waste water / storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [39]** The project proponent shall maintain the distance between STP and water supply line.
- [40]** The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [41]** The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

- [a]** "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b]** The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg / liter. Similarly total Nitrogen level shall be less than 2mg / liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB / HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.
- [c]** Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg / litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.
- [d]** For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
- [e]** Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.

- [f]** Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Affordable Group Housing Project.
- [g]** The project proponent as stated in the proposal should maintain at least 20.10% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation / grass, herbs & shrubs. Only locally available plant species shall be used.
- [h]** The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
- [i]** Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
- [j]** The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [k]** 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 & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
- [l]** Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
- [m]** The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.
- [n]** The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site earmarked within the project area and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- [o]** The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
- [p]** The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.
- [q]** The Project shall be operationalized only when HUDA / local authority will provide domestic water supply system in the area.
- [r]** Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s]** Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.

- [t]** Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [u]** Water supply shall be metered among different users and different utilities.
- [v]** The project proponent shall ensure that the of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.
- [w]** All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x]** The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [y]** The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
- [z]** The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.
- [aa]** The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
- [ab]** The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.
- [ac]** The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.
- [ad]** The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

- [i]** The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [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 e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii]** STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv]** The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA / MoEF.

- [v]** The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi]** All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii]** Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
- [ix]** Any appeal against the 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.
- [x]** The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi]** The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA /RO MOEF GOI under rules prescribed for Environment Audit.
- [xii]** The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.
- [xiii]** The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv]** The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv]** The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi]** Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvii]** 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_{2.5}, PM₁₀, SO_x, NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii]** The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

- [xix]** The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx]** Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.
- [xxi]** The PP shall provide a comprehensive management plan for Biomedical wastes generated from their hospital which include Double chambered incinerator of latest technology & of adequate capacity duly fitted with appropriate Air Pollution Control Devices viz venturi scrubber etc and ensure compliance of emission standards laid down in Biomedical waste management rules.
- [xxii]** The PP shall provide chemical treatment facilities for waste sharps for ensuring compliance of standards.
- [xxiii]** The PP shall provide autoclave of latest technology & of adequate capacity for waste plastics generated from their hospital and also provide shredder of adequate capacity.
- [xxiv]** The PP shall install online monitoring system on the stack of incinerator and air emission data be connected to the server of the HSPCB.
- [xxv]** The PP shall provide effluent treatment plant of appropriate technology & adequate capacity with standards laid down in the biomedical waste management rules.
- [xxvi]** The PP shall comply with all provisions of Biomedical waste (Management & Handling) rules as amended from time to time.

130.11 Extension of environment clearance for Group Housing Colony project at Village Gwal Pahari, Sector-2, District-Gurgaon, Haryana by M/s Jasmine Buildmart Pvt. Ltd.

Project Proponent : Mr. Afsheen Khan, AGM

Consultant : Vardan EnviroNet Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 14.12.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA / SEAC.

Thereafter the case was taken up in the 130th meeting of the SEAC held on 30.03.2016.

The case was not heard. The documents circulated such as maps, data etc. by the PP were not matching with the project details.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/ filing.

130.12 Extension of environment clearance for Commercial Complex Project "World Trade Centre" at Sector-33, Village Islampur, Gurgaon, Haryana by M/s Energetic Construction Pvt. Ltd

The project was submitted to the SEIAA, Haryana on 14.12.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA / SEAC.

Thereafter the case was taken up in the 130th meeting of the SEAC held on 30.03.2016.

It was revealed from the site visit report that the project proponent has started construction work without obtaining prior environmental clearance which amounts to violation of EIA Notification dated 14.09.2006.

The Committee again went through the latest Memorandum No. J-11013/41/2006-1A.II(I) dated 12th December, 2012 relating to Consideration of proposals for ToRs/Environment Clearance/CRZ Clearance involving violation of the Environment (Protection) Act, 1986/Environment Impact Assessment(EIA) Notification, 2006/Coastal Regulation Zone (CRZ) Notification, 2011 which clearly states that further action is to be taken as per para 5(ii) which is reproduced as under:

“The State Government concerned will need to initiate credible action on the violation by invoking powers under Section 19 of the Environment (Protection) Act, 1986 for taking necessary legal action under Section 15 of the Act for the period for which the violation has taken place and evidence provided to MoEF of the credible action taken.”

The Committee after detailed discussion was of the unanimous view that the case be referred to the SEIAA for initiating further necessary legal action as per para 5(ii) above.

136.17(S2) Environment Clearance for Commercial Colony at Village Nakhrola, Sector-81A, Gurgaon, Haryana by M/s Mahamay Building Solution Pvt. Ltd.

Project Proponent : Sh. Yogesh Khandhari, Director

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 09.03.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

Thereafter the case was taken up for appraisal in the 132nd meeting of the SEAC held on 27.04.2016.

It was decided to constitute a Sub-Committee for site visit:

The sub-committee will consist of the following:

1. Sh. R.K. Sapra, Member(Coordinator)
2. Sh. S.C. Mann, Member, SEAC
3. Dr. S. N. Mishra, Member, SEAC

The site has since been visited and Sub-Committee had submitted its report on 27.06.2016. The report of the Sub-Committee was placed before the Committee in the 135th meeting of the SEAC held on 27.06.2016. The Sub-Committee report was read out to all the Members of the Committee and deliberated in detail. The Committee has accepted the report of the Sub-Committee in total.

The Committee after detailed discussion is of the unanimous view that the case may be placed for appraisal in the 136th meeting of the SEAC to be held on 08.07.2016 and PP will circulate the documents to all the Members by 06.07.2016.

Thereafter the case was taken up in the 136th meeting of the SEAC held on 08.07.2016.

During presentation, the Committee was informed that it is a Commercial Colony at Village Nakhrola, Sector-81A, District Gurgaon, Haryana. The estimated cost of the project is Rs. 80 Crores. Total Plot area is 2.006 Acres (8,120 Sq. Meters). Total built up area will be approximately 27,850 Sq. Meters. The project will comprise of commercial tower (G+11). The maximum height of the building is approx. 49.71 meters. It was also informed that the green area development has been kept as 25% (i.e. 2,028.20 Sq. Meter approximately) of the plot area. 298.14 Sq. Meters of the total plot area would be earmarked for green belt plantation in the project area. 1,730.06 Sq. Meters of the total plot area under

organized green. The total water requirement for the project will be 96 KLD (i.e. 40 KLD of fresh water & 56 KLD of recycled treated water). The waste water generation will be 70 KLD which will be treated upto tertiary level in STP having total capacity of 85 KLD. The STP treated water will be used for flushing, horticulture and other misc. purposes.

The Air quality data shows exceeding baseline in respect of PM₁₀ and PM_{2.5} parameters which ranges approximately from 266.5-305.6 and 111.5-121.9 respectively. Incremental air pollution in respect of PM is 0.058 g/s. PP has submitted special mitigative measures for controlling air pollution for construction phase and operation phase which includes 5 meters high barricade wall at the periphery, broad leafy trees would be planted as green belt, trees with heavy foliage would be planted on both side of carriage way, ultra lowsulphur Diesel (5 ppm) would be used as fuel in DG Sets, Stack height of DG set would be as per CPCB norms. These measures would minimize the impact on air environment.

It was informed by the project proponent that the power requirement for the project will be 2,120 KW and for power back up they will install 3 Nos. of DG Sets of 2,770 KVA (2 x 1,010 KVA + 1 x 750 KVA) capacity each. Parking requirement for the project as per Haryana Bye Laws is 283 ECS but the parking proposed to be provided in the project is 284 ECS. There will be total solid waste generation of 529 Kg/day. Out of this the bio-degradable waste will be composted in the project premises and the manure produced will be used for horticulture and green development. The calculations of the same are in accordance with the prescribed norms. It was pointed out that the required water for the project will be provided through HUDA Municipal supply.

Detailed discussions were held about Solid Waste Management, rain water harvesting, fire fighting plan, noise and vibration plan, health and welfare of the laborers, electrical hazard plan, environment monitoring plan, energy conservation measures and environment management plan. There will be 02 numbers of rain water harvesting structures as approved by the Central Ground Water Authority (CGWA). The mitigation measures were found in order by the Committee.

After deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

PART A

SPECIFIC CONDITIONS:-

Construction Phase:-

- [1]** “Consent for Establish” shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2]** A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3]** Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4]** All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
- [5]** The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

- [6]** 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7]** The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [8]** The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [9]** Ambient noise levels shall conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/MoEF.
- [10]** Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11]** Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [12]** Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13]** In view of the severe constraints in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.
- [14]** Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [15]** Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [16]** The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [17]** Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.
- [18]** The Project Proponent as stated in the proposal shall construct total 10 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.
- [19]** The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [20]** The Project Proponent shall obtain assurance from the DHBVN for supply of 7084.82 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [21]** Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.
- [22]** The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.

- [23] The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [24] Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [25] The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [26] The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [27] The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.
- [28] The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [29] The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [30] The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.
- [31] The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.
- [32] The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.
- [33] The project proponent shall provide one refuse area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.
- [34] The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [35] The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [36] The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.
- [37] The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [38] The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [39] The project proponent shall maintain the distance between STP and water supply line.
- [40] The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [41] The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

- [a] "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b] The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not

- require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.
- [c]** Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.
 - [d]** For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
 - [e]** Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.
 - [f]** Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Affordable Group Housing Project.
 - [g]** The project proponent as stated in the proposal should maintain at least 20.10% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
 - [h]** The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
 - [i]** Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
 - [j]** The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
 - [k]** 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 & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
 - [l]** Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
 - [m]** The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.
 - [n]** The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2016 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
 - [o]** The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
 - [p]** The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.
 - [q]** The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.

- [r]** Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s]** Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.
- [t]** Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [u]** Water supply shall be metered among different users and different utilities.
- [v]** The project proponent shall ensure that the of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.
- [w]** All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x]** The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [y]** The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
- [z]** The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.
- [aa]** The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
- [ab]** The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.
- [ac]** The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.
- [ad]** The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

- [i]** The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [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 e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii]** STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv]** The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to

revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.

- [v]** The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi]** All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii]** Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
- [ix]** Any appeal against the 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.
- [x]** The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi]** The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
- [xii]** The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.
- [xiii]** The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv]** The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv]** The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi]** Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvii]** 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii]** The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xix]** The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx]** Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance.

Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

136.18 EC for proposed 'Stone Along with Associated Minor Minerals' as Bakhrija Plot-2 over an area of 21.65 ha. In tehsil-Narnaul, District-Mahendergarh by M/s Tirupati Viniyoge Pvt. Ltd.

Project Proponent : Sh. D.C. Chauhan,
Consultant : Vardan EnviroNet

The project was submitted to the SEIAA, Haryana on 04.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for approval of Terms of Reference in the 125th meeting of the SEAC held on 12.01.2016.

The project proponent requested that they may be allowed to use the previously generated data which was in accordance with the standard Terms of Reference. The project proponent stated that they are already generating data from October, 2015 and requested to utilize the baseline data. The Committee after detailed deliberations accepted the request of the PP.

The Committee after detailed deliberations accepted the request of the PP and it was decided that the PP will collect one month more baseline data and submit EIA report by incorporating the fresh data accordingly.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 12.01.2016 were conveyed to the PP vide letter No. 515 dated 27.01.2016. The public hearing was held on 12.05.2016 on the site under the Chairmanship of Deputy Commissioner. The PP submitted the EIA/EMP vide letter dated 24.05.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

During presentation, it has been informed by the Project Proponent that is a Mining of Stone Along with Associated (Minor Mineral) at Bakhrija Plot-2 over an area of 21.65 Ha.in Tehsil Narnaul, Distt- Mohendergarh, Haryana having production capacity 36,00,000 TPA.

The mine lease area 21.65 Ha. lies in Village-Bakhrija, Tehsil-Narnaul, District-Mohendergarh (Haryana). The land use of the lease area is Govt. waste Land (Gair Mumkin Pahar). No forest land is involved. The LOI of mining lease was granted to M/s Tirupati Viniyoge Pvt. Ltd. by Mines & Geology Department, Haryana vide memo no. DMG/HY/ML/Bakhrija-2/2015/7193 dated 24.07.2015. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/HY/MP/ Bakhrija-2/2015/8743-8746 dated 04.11.2015.

The Latitudes and Longitudes of MLA North 27°55'20.6" N, 27°55'15.4" N , 27°55'1.9" N, and 27°55'1.9" N and East 76°03'17.4"E, 76°03'32.8"E , 76°03'26.8"E and 76°03'12"E Survey of India toposheet (OSM) numbers 45M/13, 54A/1, 44P/16, H43/W4. The Project is located in Seismic zone-III. As per the notification from Ministry of Environment & Forest, New Delhi dated 14.09.2006 and MoEF circular dated 24.12.2013, and the MoEF&CC notification dated 15.01.2016, the project falls under B1 category.

Method of mining is open cast fully mechanized. The total water requirement is 69.00 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 55 m bgl; no ground water interception during the mining operations is envisaged as ground water table is 80 m bgl. Hence, the ground water table will not be intersected by mining operation.

The capital cost of the project is Rs. 12.50 Crores; for ESR Rs. 23.00 Lakhs/annum will be allocated and cost for Environmental Protection is Rs. 30.00 Lakhs. Budget for Occupational Health and Safety is Rs. 15.00 Lakhs. The project proponent will deposit 10% of the annual contract money i.e. Rs. 2.55 Crores per annum to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee unanimously decided to appraise the case under B1 Category and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A SPECIFIC CONDITIONS:

- [1]** This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production
First	349-337	36,00,000
Second	337-331	36,00,000
Third	331-319	36,00,000
Fourth	319-307	36,00,000
Fifth	307-294	36,00,000

- [2]** The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.
- [3]** The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [4]** The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 3 meter above the ground water table.
- [5]** Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.
- [6]** The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [7]** The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.
- [8]** The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9]** The benches height and slope shall be maintained as per approved mining plan.
- [10]** Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12]** Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.
- [13]** The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14]** Drills shall either be operated with dust extractors or equipped with water injection system.
- [15]** The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16]** Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.
- [17]** Garland drains; septic tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be

- designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also be provided and Adequate pits shall be constructed at the corners of the garland drains and de-silted.
- [18]** Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
 - [19]** Green belt should be developed as per the proposed plantation as given in the proposal. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/ Agriculture Department.
 - [20]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
 - [21]** The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
 - [22]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
 - [23]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
 - [24]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
 - [25]** Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.
 - [26]** The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
 - [27]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved by the Chief Wildlife Warden of the State before start of mining operation. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
 - [28]** As envisaged, the Project Proponent shall invest at least an amount of Rs. 30.00 lacs as cost for implementing various environmental protection measures including recurring expenses per year.
 - [29]** A sum of Rs. 23.00 lacs shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
 - [30]** Budgetary provision of Rs. 15.00 lacs per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
 - [31]** A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
 - [32]** The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
 - [33]** The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
 - [34]** The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.

- [35]** The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36]** The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.
- [37]** The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i]** Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii]** Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii]** Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [iv]** Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
- [v]** Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
- [vi]** Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vii]** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [viii]** The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [ix]** 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [x]** The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
- [xi]** Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- [xii]** The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Honb'le Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
- [xiii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xiv]** All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xv]** That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. 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 National Green Tribunal Act, 2010.
- [xvi]** Any area which have been banned by any authority/courts shall not be used for mining activity.

136.19 EC for proposed Sand Minor Mineral Mines at Jaidhar Block /YNR B-34 over an area of 25.60 ha. in District Yamuna Nagar by M/s Saharanpur Mines Management Services Pvt. Ltd.

Project Proponent : Sh. Mohd. Javed, Director
Consultant : Vardan EnviroNet

The project was submitted to the SEIAA, Haryana on 23.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for approval of Terms of Reference in the 125th meeting of the SEAC held on 12.01.2016.

The project proponent requested that they may be allowed to use the previously generated data which was in accordance with the standard Terms of Reference.

PP further stated that they are already generating data from October, 2015 and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from November, 2015 onwards.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 12.01.2016 were conveyed to the PP vide letter dated 27.01.2016. The PP submitted the EIA/EMP vide letter dated 31.05.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

After detailed discussions, the following shortcomings were concluded:

- [1] The PP should submit an affidavit from the Director that the Mining shall be carried out in compliance of Hon'ble NGT interim orders.
- [2] The PP should submit revised CSR plan and revised Environment Management Plan.
- [3] The PP should submit an undertaking that outside river bed area, slope of the sides shall not be less than natural angle of repose. The PP should submit an undertaking to ensure stability of such banks by suitable measures before conclusion of mining operations.
- [4] The PP should submit an undertaking regarding source of adequate water arrangement for operational purpose and should also submit the detail calculation of water requirement for various uses.
- [5] The PP should submit revised Mining Plan before Commencement of Mining and proper distance from roads/Canal/State Highway/National Highway.
- [6] The PP should provide monitoring data of Ground Water Table and quality carried out during the study period.
- [7] The PP should submit an affidavit regarding the distance of the project site from the Inter-State boundary as crow fly distance.
- [8] The PP should submit an undertaking for strengthening of village road and plantation.
- [9] The PP should submit an undertaking to comply with the minutes of public hearing.
- [10] The PP should submit an undertaking for not touching the ground water level.
- [11] The PP should submit monitoring data of ambient air, water quality and noise.
- [12] The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

136.20 **EC for proposed “Boulder, Gravel and Sand” (Minor Mineral) at Malikpur Khadar Block/ YNR B-28 over an area of 23.20 Ha. in District-Yamuna Nagar by Sh. Karaj Singh, S/o Sh. Major Singh.**

Project Proponent : **Sh. Karaj Singh,**
Consultant : **Vardan EnviroNet**

The project was submitted to the SEIAA, Haryana on 20.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for approval of Terms of Reference in the 125th meeting of the SEAC held on 12.01.2016.

The project proponent requested that they may be allowed to use the previously generated data which was in accordance with the standard Terms of Reference.

PP further stated that they are already generating data from October, 2015 and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from November, 2015 onwards.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 12.01.2016 were conveyed to the PP vide letter No. 517 dated 27.01.2016. The PP submitted the EIA/EMP vide letter dated 14.06.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

After detailed discussions, the following shortcomings were concluded:

- [1] The PP should submit an affidavit from the Director that the Mining shall be carried out in compliance of Hon'ble NGT interim orders.
- [2] The PP should submit revised CSR plan and revised Environment Management Plan.
- [3] The PP should submit an undertaking that outside river bed area, slope of the sides shall not be less than natural angle of repose. The PP should submit an undertaking to ensure stability of such banks by suitable measures before conclusion of mining operations.
- [4] The PP should submit an undertaking regarding source of adequate water arrangement for operational purpose and should also submit the detail calculation of water requirement for various uses.
- [5] The PP should submit revised Mining Plan before Commencement of Mining and proper distance from roads/Canal/State Highway/National Highway.
- [6] The PP should provide monitoring data of Ground Water Table and quality carried out during the study period.
- [7] The PP should submit an affidavit regarding the distance of the project site from the Inter-State boundary as crow fly distance.
- [8] The PP should submit an undertaking for strengthening of village road and plantation.
- [9] The PP should submit an undertaking to comply with the minutes of public hearing.
- [10] The PP should submit an undertaking for not touching the ground water level.
- [11] The PP should submit monitoring data of ambient air, water quality and noise.
- [12] The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.
- [13] Public road is passing through the area, PP should submit an undertaking for adequate safety barrier of atleast 50 meters width as per Mines and Mineral Act in consultation with local authority & PWD etc.
- [14] Distance of lease area from National Park/Century has not been authenticated by Chief Wildlife Warden.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only

after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

136.21 EC for proposed “Boulder, Gravel and Sand” (Minor Mineral) at Pipli Majra Block/ YNR B-29, 30 & 31 over an area of 18.20 Ha. in District Yamuna Nagar by M/s Paramjeet Singh S/o Hardeep Singh.

Project Proponent : Sh. Paramjeet Singh,
Consultant : Vardan EnviroNet

The project was submitted to the SEIAA, Haryana on 20.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for approval of Terms of Reference in the 125th meeting of the SEAC held on 12.01.2016.

The project proponent requested that they may be allowed to use the previously generated data which was in accordance with the standard Terms of Reference.

PP further stated that they are already generating data from October, 2015 and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from November, 2015 onwards.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 12.01.2016 were conveyed to the PP vide letter No. 518 dated 27.01.2016. The PP submitted the EIA/EMP vide letter dated 14.06.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

After detailed discussions, the following shortcomings were concluded:

- [1] The PP should submit an affidavit from the Director that the Mining shall be carried out in compliance of Hon'ble NGT interim orders.
- [2] The PP should submit revised CSR plan and revised Environment Management Plan.
- [3] The PP should submit an undertaking that outside river bed area, slope of the sides shall not be less than natural angle of repose. The PP should submit an undertaking to ensure stability of such banks by suitable measures before conclusion of mining operations.
- [4] The PP should submit an undertaking regarding source of adequate water arrangement for operational purpose and should also submit the detail calculation of water requirement for various uses.
- [5] The PP should submit revised Mining Plan before Commencement of Mining and proper distance from roads/Canal/State Highway/National Highway.
- [6] The PP should provide monitoring data of Ground Water Table and quality carried out during the study period.
- [7] The PP should submit an affidavit regarding the distance of the project site from the Inter-State boundary as crow fly distance.
- [8] The PP should submit an undertaking for strengthening of village road and plantation.
- [9] The PP should submit an undertaking to comply with the minutes of public hearing.
- [10] The PP should submit an undertaking for not touching the ground water level.
- [11] The PP should submit monitoring data of ambient air, water quality and noise.
- [12] The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.
- [13] Public road is passing through the area, PP should submit an undertaking for adequate safety barrier of atleast 50 meters width as per Mines and Mineral Act in consultation with local authority & PWD etc.
- [14] Distance of lease area from National Park/Century has not been authenticated by Chief Wildlife Warden.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

136.22 Environment Clearance for proposed Boulder, Gravel and Sand Minor Mineral Mines of "Jaidhari Block/YNR B 33 over an area of 48.60 Ha. in District Yamuna Nagar, Haryana by M/s P.S. Buildtech

Project Proponent : Sh. Kulvinder Singh,
Consultant : Vardan EnviroNet

The project was submitted to the SEIAA, Haryana on 04.01.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for approval of Terms of Reference in the 125th meeting of the SEAC held on 12.01.2016.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 12.01.2016 were conveyed to the PP vide letter No. 527 dated 27.01.2016. The PP submitted the EIA/EMP vide letter dated 14.06.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

After detailed discussions, the following shortcomings were concluded:

- [1] The PP should submit an affidavit from the Director that the Mining shall be carried out in compliance of Hon'ble NGT interim orders.
- [2] The PP should submit revised CSR plan and revised Environment Management Plan.
- [3] The PP should submit an undertaking that outside river bed area, slope of the sides shall not be less than natural angle of repose. The PP should submit an undertaking to ensure stability of such banks by suitable measures before conclusion of mining operations.
- [4] The PP should submit an undertaking regarding source of adequate water arrangement for operational purpose and should also submit the detail calculation of water requirement for various uses.
- [5] The PP should submit revised Mining Plan before Commencement of Mining and proper distance from roads/Canal/State Highway/National Highway.
- [6] The PP should provide monitoring data of Ground Water Table and quality carried out during the study period.
- [7] The PP should submit the actual distance from the project site to the Inter-State boundary (as crow fly distance)duly authenticated by the Revenue Authorities.
- [8] The PP should submit an undertaking for strengthening of village road and plantation.
- [9] The PP should submit an undertaking to comply with the minutes of public hearing.
- [10] The PP should submit an undertaking for not touching the ground water level.
- [11] The PP should submit monitoring data of ambient air, water quality and noise.
- [12] The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.
- [13] The PP should submit Conservation Plan.
- [14] Distance of lease area from National Park/Century has not been authenticated by Chief Wildlife Ward.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

136.23 Environment Clearance for proposed “Stone Mining” with production Capacity-20.00 Lakhs Tons per annum over an area of 11.26 Ha. In District Mahendergarh Haryana by M/s Madaan Associates.

Project Proponent : Sh. Raj Kumar Madan
Consultant : Vardan Enviro Solutions

The project was submitted to the MoEF, Government of India. The Terms of Reference were approved by the EAC, MoEF and conveyed to the project proponent vide letter No. J-11015-277-2015-IA.II dated 10.09.2015. The project proponent submitted the EIA/EMP to the SEIAA on 17.06.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

After detailed discussions, the following shortcomings were concluded:

- [1] The PP should submit an affidavit from the Director that the Mining shall be carried out in compliance of Hon'ble NGT interim orders.
- [2] The PP should submit revised CSR plan and revised Environment Management Plan.
- [3] The PP should submit an undertaking that outside river bed area, slope of the sides shall not be less than natural angle of repose. The PP should submit an undertaking to ensure stability of such banks by suitable measures before conclusion of mining operations.
- [4] The PP should submit an undertaking regarding source of adequate water arrangement for operational purpose and should also submit the detail calculation of water requirement for various uses.
- [5] The PP should submit revised Mining Plan before Commencement of Mining and proper distance from roads/Canal/State Highway/National Highway.
- [6] The PP should provide monitoring data of Ground Water Table and quality carried out during the study period.
- [7] The PP should submit an affidavit regarding the distance of the project site from the Inter-State boundary as crow fly distance.
- [8] The PP should submit an undertaking for strengthening of village road and plantation.
- [9] The PP should submit an undertaking to comply with the minutes of public hearing.
- [10] The PP should submit an undertaking for not touching the ground water level.
- [11] The PP should submit monitoring data of ambient air, water quality and noise.
- [12] The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

136.24 Environment Clearance for proposed Boulder, Gravel and Sand Minor Mineral Mines of “Kanalsi Block/YNR B-5” at Village Kanalsi, Tehsil Jagadhri over an area of 44.14 Ha. in District -Yamuna Nagar by M/s P.S. Buildtech

Project Proponent : Sh. Sh. Kulvinder Singh
Consultant : Vardan Enviro Solutions

The project was submitted to the MoEF, Government of India. The Terms of Reference were approved by the EAC, MoEF and conveyed to the project proponent vide letter No. J-11015/4/2016-IA.II dated 08.02.2016. The project proponent submitted the EIA/EMP to the SEIAA on 23.06.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

After detailed discussions, the following shortcomings were concluded:

- [1] The PP should submit an affidavit from the Director that the Mining shall be carried out in compliance of Hon'ble NGT interim orders.
- [2] The PP should submit revised CSR plan and revised Environment Management Plan.
- [4] The PP should submit disaster management plan.
- [5] The PP should submit feasibility of proposed scale of production with respect to replenishment rate and the restriction imposed by Hon'ble NGT.
- [6] The PP should submit contour sheet of the area alongwith longitudinal section of the river bed for entire lease area and cross-section for 100 meters on either side of the lease area and justify the proposed scale of production.
- [7] The PP should submit revised Mining Plan before Commencement of Mining and proper distance from roads/Canal/State Highway/National Highway.
- [8] The PP should submit an undertaking that they will restrict the quantity mentioned in the Mining Plan or actual replenishment whichever is less.
- [9] Mineral resources shall be re-assessed only on the basis of in-situ availability of mineral in the river not on the basis of anticipated replenishment.
- [10] The PP should submit an undertaking for strengthening of village road and plantation.
- [11] The PP should submit an undertaking to comply with the minutes of public hearing.
- [12] The PP should submit monitoring data of ambient air, water quality and noise and ground water quality and water level monitoring data.
- [13] The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.
- [14] The PP should submit Conservation Plan.
- [15] Distance of lease area from National Park/Century has not been authenticated by Chief Wildlife Ward.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

136.25 EC for proposed Mining of mineral mines of 34.64 ha “Stone along with Associated Minor Minerals” at Bakhrija-4, Distt. Mahendergarh, Haryana by M/s Gradient Business Consulting Pvt. Ltd.

Project Proponent : Sh. D.C. Chauhan
Consultant : Mantec Consltants

The project was submitted to the SEIAA, Haryana on 30.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for approval of Terms of Reference in the 125th meeting of the SEAC held on 12.01.2016.

The project proponent requested that they may be allowed to use the previously generated data which was in accordance with the standard Terms of Reference.

PP further stated that they are already generating data from October, 2015 and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from November, 2015 onwards.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 12.01.2016 were conveyed to the PP vide letter No. 527 dated 27.01.2016. The PP submitted the EIA/EMP vide letter dated 24.06.2016. The public hearing was held on 03.06.2016 on the site under the

Chairmanship of Deputy Commissioner. The project proponent submitted the EIA/EMP to the SEIAA on 17.06.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016.

During presentation, it was informed by the Project Proponent that it is a proposed Mining of Stone Along with Associated (Minor Mineral) at Bakhrija Plot-4 over an area of 34.64 Ha. in Tehsil Naranaul, District Mohendergarh, Haryana having production capacity 75.24 Lakhs TPA.

The mine lease area 34.64 Ha. lies in Village-Bakhrija, Tehsil-Naranaul, District-Mohendergarh (Haryana). The land use of the lease area is Govt. waste Land (Gair Mumkin Pahar). No forest land is involved. The LOI of mining lease was granted to M/s Gradient Business Consulting Pvt. Ltd. by Mines & Geology Department, Haryana vide memo no. DMG/HY/ML/Bakhrija-4/2015/8564 dated 21.10.2015. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/HY/MP/ Bakhrija-4/2015/431-434 dated 07.01.2016.

The Latitudes and Longitudes of

Pillar	Latitude	Longitude
1	27°54'43.50"	76°03'14.21"
2	27°54'43.69"	76°02'49.25"
3	27°54'42.91"	76°02'49.10"
4	27°54'41.95"	76°02'51.36"
5	27°54'39.02"	76°02'50.63"
6	27°54'39.35"	76°02'47.60"
7	27°54'35.09"	76°02'47.21"
8	27°54'34.19"	76°02'47.77"
9	27°54'34.11"	76°02'58.92"
10	27°54'30.25"	76°02'58.88"
11	27°54'30.23"	76°03'01.53"
12	27°54'31.03"	76°03'01.89"
13	27°54'32.02"	76°03'02.44"
14	27°54'32.81"	76°03'03.06"
15	27°54'33.44"	76°03'03.79"
16	27°54'33.64"	76°03'04.41"
17	27°54'33.58"	76°03'05.34"
18	27°54'33.41"	76°03'06.42"
19	27°54'32.86"	76°03'07.05"
20	27°54'32.39"	76°03'07.49"
21	27°54'31.12"	76°03'07.63"
22	27°54'31.13"	76°03'07.31"
23	27°54'30.84"	76°03'08.00"
24	27°54'29.49"	76°03'08.46"
25	27°54'27.51"	76°03'11.00"
26	27°54'28.56"	76°03'10.89"
27	27°54'28.41"	76°03'11.62"
28	27°54'27.39"	76°03'11.58"
29	27°54'27.37"	76°03'12.28"
30	27°54'25.95"	76°03'12.47"
31	27°54'25.78"	76°03'12.84"
32	27°54'27.02"	76°03'13.52"
33	27°54'26.51"	76°03'15.92"
34	27°54'28.54"	76°03'17.82"

35	27°54'29.94"	76°03'18.02"
36	27°54'29.99"	76°03'18.79"
37	27°54'27.38"	76°03'19.31"
38	27°54'26.55"	76°03'20.82"
39	27°54'27.52"	76°03'21.89"
40	27°54'30.30"	76°03'22.14"
41	27°54'30.90"	76°03'22.78"
42	27°54'32.42"	76°03'22.54"
43	27°54'33.32"	76°03'22.64"
44	27°54'33.98"	76°03'22.87"
45	27°54'35.30"	76°03'23.22"
46	27°54'35.63"	76°03'22.67"
47	27°54'37.12"	76°03'22.31"
48	27°54'37.14"	76°03'23.46"
49	27°54'38.57"	76°03'23.38"
50	27°54'39.75"	76°03'21.73"
51	27°54'40.52"	76°03'19.91"
52	27°54'41.06"	76°03'18.26"
53	27°54'41.17"	76°03'15.59"
54	27°54'41.40"	76°03'14.19"

Survey of India toposheet (OSM) numbers 45M/13, 54A/1, H43/W4. The Project is located in Seismic zone-III. As per the notification from Ministry of Environment & Forest, New Delhi dated 14.09.2006 and MoEF circular dated 24.12.2013, and the MoEF&CC notification dated 15.01.2016, the project falls under B1 category.

Method of mining is open cast fully mechanized. The total water requirement is 69.00 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 92 meters bgl; no ground water interception during the mining operations is envisaged as ground water table is 110-120m bgl. Hence, the ground water table will not be intersected by mining operation.

The capital cost of the project is Rs. 22.00 Crores; for ESR Rs. 33.00 Lakhs/annum will be allocated and cost for Environmental Protection is Rs. 40.00 Lakhs. Budget for Occupational Health and Safety is Rs. 15.00 Lakhs. The project proponent will deposit 10% of the annual contract money i.e. Rs. 3.25 Crores per annum to the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee unanimously decided to appraise the case under B1 Category and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A SPECIFIC CONDITIONS:

[1] This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production
First	308-288	750000
Second	298-268	7512705
Third	278-258	7519600
Fourth	268-248	7522502
Fifth	258-228	7524225

- [2]** The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.
- [3]** The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [4]** The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 3 meter above the ground water table.
- [5]** Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.
- [6]** The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [7]** The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.
- [8]** The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9]** The benches height and slope shall be maintained as per approved mining plan.
- [10]** Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12]** Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.
- [13]** The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14]** Drills shall either be operated with dust extractors or equipped with water injection system.
- [15]** The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16]** Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.
- [17]** Garland drains; septic tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also be provided and Adequate pits shall be constructed at the corners of the garland drains and de-silted.
- [18]** Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- [19]** Green belt should be developed as per the proposed plantation as given in the proposal. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/ Agriculture Department.
- [20]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.

- [21]** The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- [22]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [23]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
- [24]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [25]** Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.
- [26]** The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
- [27]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved by the Chief Wildlife Warden of the State before start of mining operation. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
- [28]** As envisaged, the Project Proponent shall invest at least an amount of Rs. 40.00 lacs as cost for implementing various environmental protection measures including recurring expenses per year.
- [29]** A sum of Rs. 33.00 lacs shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
- [30]** Budgetary provision of Rs. 15.00 lacs per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
- [31]** A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
- [32]** The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
- [33]** The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- [34]** The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
- [35]** The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36]** The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.
- [37]** The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i]** Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii]** Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii]** Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [iv]** Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
- [v]** Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
- [vi]** Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vii]** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [viii]** The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [ix]** 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [x]** The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
- [xi]** Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- [xii]** The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Honb'le Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
- [xiii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xiv]** All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xv]** That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. 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 National Green Tribunal Act, 2010.
- [xvi]** Any area which have been banned by any authority/courts shall not be used for mining activity.

proponent. 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 National Green Tribunal Act, 2010.

- [xiii] The methodology of mining shall be strictly as per orders passed by Hon'ble NGT/ Hon'ble Supreme Court from time to time.
- [xiv] The PP shall not disturb/damage the position of studs in river bed and also not to damage the river banks and not to degrade the river bed in any manner.
- [xv] Any area which have been banned by any authority/courts shall not be used for mining activity.
- [xvi] Distance of mining to be maintained from Pucca Hydraulic structure/ Bridges shall be as per approved mining plan/ guideline issued by MoEF & CC/ Court Orders.
- [xvii] Quantum mining allowed in the river will be actual replenishment or mining allotted whichever is less.
- [xviii] Any area which has been banned by any authority will be out of bound of mining.
- [xix] The PP should set the Probable replenishment checked from the reputed institution.
- [xx] The PP will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court/High Courts/NGT.

138.09 Environmental Clearance for proposed Stone along with Associated Minor Minerals at Kheribattar Plot No. 2, Tehsil –Dadri District Bhiwani, Haryana by M/s ASD RKC J.V.

Project Proponent : Sh. Rajinder Khatri
Consultant : Mantec Consultants

The project was submitted to the SEIAA, Haryana on 30.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The Terms of Reference were approved in the 125th meeting of the SEAC held on 13.01.2016 and conveyed to the project proponent vide letter No. 525 dated 27.01.2016.

The project proponent requested that they may be allowed to use the previously generated data which was in accordance with the standard Terms of Reference.

PP further stated that they are already generating data from October, 2015 and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from November, 2015 onwards.

The project proponent submitted the EIA/EMP report alongwith public hearing minutes on 26.07.2016. Thereafter, the case was taken up for appraisal in the 138th meeting of the SEAC held on 03.08.2016.

During presentation, it was informed by the Project Proponent that it is a proposed Mining of Stone Along with Associated (Minor Mineral) at Kheribattar Plot No-2 over an area of 42.01 Ha in Tehsil Dadri, District Bhiwani, Haryana having production capacity 81.66 Lakhs TPA.

The mine lease area 42.01ha lies in Village-Kheribattar, Tehsil-Dadri, District-Bhiwani(Haryana). The land use of the lease area is Govt. waste Land (Gair Mumkin Pahar). No forest land is involved. The LOI of mining lease was granted to M/s ASD RKC J.V. by Mines & Geology Department, Haryana vide memo no. DMG/HY/ML/Kheribattar-2/2015/8562 dated 21.10.2015. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/HY/MP/ Kheribattar 2/2015/448 dated 12.01.2016.

The latitudes and longitudes of the proposed area

S. No.	Latitude	Longitude
1.	28°33'43.2"	76°10'26.0"
2.	28°33'43.2"	76°10'54.2"
3.	28°33'33.3"	76°10'54.7"
4.	28°33'23.4"	76°10'56.8"

5.	28°33'23.4"	76°10'51.9"
6.	28°33'19.4"	76°10'51.9"
7.	28°33'19.4"	76°10'49.4"
8.	28°33'18.3"	76°10'49.4"
9.	28°33'18.3"	76°10'47.0"
10.	28°33'15.5"	76°10'38.0"
11.	28°33'18.5"	76°10'39.5"
12.	28°33'21.9"	76°10'37.8"
13.	28°33'21.9"	76°10'39.6"
14.	28°33'28.4"	76°10'39.6"
15.	28°33'28.4"	76°10'34.7"

Survey of India top sheet (OSM) numbers 53D/2. The Project is located in Seismic zone-III. As per the notification from Ministry of Environment & Forest, New Delhi dated 14.09.2006 and MoEF circular dated 24.12.2013, and the MoEF & CC notification dated 15.01.2016, the project falls under B1 category.

Method of mining is open cast fully mechanized. The total water requirement is 10.00 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 50 meters bgl; no ground water interception during the mining operations is envisaged as ground water table is more than 60m bgl. Hence, the ground water table will not be intersected by mining operation. The capital cost of the project is Rs. 4.23 Crores; for CSR Rs. 24.5 Lakhs/annum will be allocated and cost for Environmental Protection is Rs. 54.00 Lakhs. Budget for Occupational Health and Safety is Rs. 8.00 Lakhs.

The Committee unanimously decided to appraise the case under B1 Category and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A SPECIFIC CONDITIONS:

[1] This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production
First	381, 372, 363, 354,336,327	70.00 Ton
Second	327, 318, 309, 300	70.00
Third	300,291,282	75.00
Fourth	282 & 273	80.00
Fifth	264 & 255	81.66

[2] The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.

[3] The project proponent shall carry out mining activity strictly as per the approved Mining Plan.

[4] The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 3 meter above the ground water table.

[5] Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.

[6] The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.

[7] The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.

- [8]** The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9]** The benches height and slope shall be maintained as per approved mining plan.
- [10]** Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12]** Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.
- [13]** The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14]** Drills shall either be operated with dust extractors or equipped with water injection system.
- [15]** The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16]** Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.
- [17]** Garland drains; septic tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also be provided and Adequate pits shall be constructed at the corners of the garland drains and de-silted.
- [18]** Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- [19]** The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/ Agriculture Department. Plantation should be carried out in phased manner.
- [20]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
- [21]** The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- [22]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [23]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
- [24]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [25]** Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.
- [26]** The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
- [27]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved by the Chief Wildlife Warden of the State before start of mining operation. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the

- project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
- [28] As envisaged, the Project Proponent shall invest at least an amount of Rs. 54 Lakhs as cost for implementing various environmental protection measures including recurring expenses per year.
 - [29] A sum of Rs. 24.5 Lakhs shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
 - [30] Budgetary provision of Rs. 8 Lakhs per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
 - [31] A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
 - [32] The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
 - [33] The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
 - [34] The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
 - [35] The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
 - [36] The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.
 - [37] The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i] Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii] Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii] Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [iv] Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
- [v] Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
- [vi] Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vii] Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [viii] The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [ix] 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [x] The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
- [xi] Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

- [xii]** The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Honb'le Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
- [xiii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xiv]** All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xv]** That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. 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 National Green Tribunal Act, 2010.
- [xvi]** Any area which have been banned by any authority/courts shall not be used for mining activity.
- [xvii]** The PP shall rehabilitate the mining site after extracting the mineral at the time of closure of mine with overburdened/top soil to maintain the originality of the site.
- [xviii]** The PP will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court/High Courts/NGT.

138.10 Environmental Clearance for the proposed 5 MLD Common Effluent Treatment Plant (CETP) at HSIIDC, Village Saha, District Ambala, Haryana by M/s HSIIDC

Project Proponent : Sh. R.K. Mehta, Senior Manager
Consultant : Shivalik Consultants

The project was submitted to the SEIAA, Haryana on 01.10.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 126th meeting of the SEAC held on 27.01.2016 and conveyed to the project proponent vide letter No. 623 dated 10.02.2016. The project proponent submitted the EIA/EMP vide letter dated 27.07.2016. Thereafter, the case was taken up for appraisal in the 138th meeting of the SEAC held on 03.08.2016.

After details discussions, the following shortcomings were observed:

1. The project proponent should submit No Objection Certificate from Wildlife department.
2. The PP should submit detailed green belt plan of atleast 30% viz:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and
 - (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.
3. The PP should submit an undertaking by assuring that primary treatment will be done by the industries.
4. The PP should submit detailed design calculation of BOD reduction after each unit process.
5. The PP should submit an undertaking for providing BOD, COD and VOC Analyzer.
6. The PP should submit an undertaking that they will install dual plumbing system in all the Member Industries for reuse of water alongwith quantity of recycled water to be given to Member Industries.
7. The PP should submit a scheme of Tertiary treatment for less than 5 BOD and ZLD.
8. The PP should submit the characteristics of final outlet discharge
9. The PP should submit the quantity of sludge and its final disposal.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/ filing.

138.10(S1) Environment Clearance for mining of (Boulder, Gravel & Sand) at Yamuna Nagar-Bailgarh North Block/YNR-1 located at Bailgarh Village-Chhachhrauli, Tehsil-Yamunagar with production capacity of 2.14 Million TPA (ROM) in lease area of 44.0 hac. by M/s Celleis Realtech Pvt. Ltd.

Project Proponent : Sh. Mukesh Kumar Singal

Consultant : GreenC India Consulting Pvt. Ltd.

The project was submitted to the MoEF, Government of India. The Terms of Reference were approved by the EAC, MoEF and conveyed to the project proponent vide letter No. J-11015/242/2015-IA.II (M) dated 24.09.2015. The project proponent submitted the EIA/EMP to the SEIAA on 08.07.2016.

Thereafter, the case was taken up for appraisal in the 136th meeting of the SEAC held on 09.07.2016 as additional agenda item.

After detailed discussions, the following shortcomings were concluded:

- [1] The PP should submit an affidavit from the Director that the Mining shall be carried out in compliance of Hon'ble NGT interim orders.
- [2] The PP should submit revised CSR plan and revised Environment Management Plan.
- [4] The PP should submit disaster management plan.
- [5] The PP should submit feasibility of proposed scale of production with respect to replenishment rate and the restriction imposed by Hon'ble NGT.
- [6] The PP should submit contour sheet of the area alongwith longitudinal section of the river bed for entire lease area and cross-section for 100 meters on either side of the lease area and justify the proposed scale of production.
- [7] The PP should submit revised Mining Plan before Commencement of Mining and proper distance from roads/Canal/State Highway/National Highway.
- [8] The PP should submit an undertaking that they will restrict the quantity mentioned in the Mining Plan or actual replenishment whichever is less.
- [9] Mineral resources shall be re-assessed only on the basis of in-situ availability of mineral in the river not on the basis of anticipated replenishment.
- [10] The PP should submit an undertaking for strengthening of village road and plantation.
- [11] The PP should submit an undertaking to comply with the minutes of public hearing.
- [12] The PP should submit monitoring data of ambient air, water quality , noise and ground water level and quality monitoring data.
- [13] The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.

The observations of 136th meeting were conveyed to the PP vide letter dated 18.07.2016. The PP submitted the reply on 31.07.2016. Thereafter, the case was taken up in the 138th meeting of the SEAC held on 03.08.2016.

During discussions, Project Proponent informed the Committee that it is a proposed River Bed Boulder, Gravel and Sand (Minor Mineral) Mining Project at Yamuna Nagar- Bailgarh North Block/YNR-1 located at Bailgarh Village-Chhachhrauli, Tehsil- Yamunagar with production capacity of 2.14 Million TPA (ROM) in lease area of 44.0 ha.

The mine lease area 44.0 ha lies in Village Chhachhrauli. The land use of the lease area is River bed. The LOI of mining lease was granted to Letter of Intent has been issued in favor of M/s Celleis Realtech Private Limited vide Memo No. DMG/HY/Cont/B.Garh North Block/YNR B 1/2015/3910 dated 19.06.2015 for mining of boulder, gravel and sand (minor mineral) in revenue village of Bailgarh over an

area of 44.0 Ha. The Latitudes and Longitudes of MLA North 30°14'40.7" N and 30°014'21.0" N and East 77°30'56.1" E and 77°30'35.0" E " on Survey of India toposheet (OSM) numbers 53 F/12.

The Project is located in Seismic Zone-IV. As per recent amendment to EIA notification S.O. no.141(E) dated 15.01.2016, the project is categorized as category 'B1' project as general condition of interstate boundary is not applicable for sand mining projects. Secondly, the eco-sensitive zone of Kalesar Wildlife Sanctuary and Kalesar National Park are notified which will vary from zero to 1900 meters from the boundary of Kalesar Wildlife Sanctuary & Kalesar National Park vide notification S.O.1485(E) dated 22.04.2016.

Method of mining is Open-cast semi mechanized method. The total water requirement is 18 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto three meters bgl; no ground water intersection during the mining operations is envisaged as ground water table is 10-15 m bgl. Hence, the ground water table will not be intersected by mining operation. Project Proponent reported that Kalesar Wildlife Sanctuary & Kalesar National Park which are located 8.0 km & 9.3 km from the proposed mine lease area in NNE direction respectively.

The capital cost of the project is Rs. 3001 Lakhs; for CSR Rs. 53.5 Lakhs will be allocated over a period of 5 years and cost for Environmental Protection is Rs. 20.01 Lakhs. The project proponent will deposit 10% of the due contract money along with monthly installments towards the 'Mines and Minerals Development, Restoration and Rehabilitation Fund'.

There is no lease area within 500m radius from this mining Stone Block, hence this mine block falls under category B1.

The Committee unanimously decided to appraise the case under 'B1' category project on the basis of Ministry of Environment, Government of India, and Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A SPECIFIC CONDITIONS:

- [1]** This Environment Clearance is granted for the proposed production for the five years @ 21,40,000 TPA. The ultimate depth of Mining will be 3 meter. The elevation range of mine site is 296-302 amsl. The Corner Coordinates of the leased areaare:

Sl. No	Latitude	Longitude
A	30°14'40.7" N	77°30'56.1" E
B	30°14'37.4" N	77°31'00.8" E
C	30°14'27.6" N	77°31'01.7" E
D	30°14'12.4" N	77°30'53.7" E
E	30°14'04.0" N	77°30'45.4" E
F	30°14'03.8" N	77°30'43.2" E
G	30°14'06.1" N	77°30'41.0" E
H	30°14'14.2" N	77°30'36.0" E
I	30°14'21.0" N	77°30'35.0" E

- [2]** The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [3]** Environmental Clearance is subject to obtaining clearance, under the Wildlife (Protection) Act, 1972 from the National Board of Wildlife, as applicable to the project.
- [4]** No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.
- [5]** The Project proponent shall obtain consent to Operate from the State Pollution control Board, Haryana and effectively implement all the conditions stipulated therein.
- [6]** Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the project and records maintained; also,

- Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for labour for ensuring good occupational environment for mine workers would also be adopted.
- [7]** Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.
 - [8]** The number of trips of the trucks shall not exceed the estimated quantity of 7125 Mt/day @ 285 Trips/day (25 Mt/Trip). Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages.
 - [9]** Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.
 - [10]** Excavation will be carried out up to a maximum depth of 3 meters from surface of river bed one meter above from the ground water level of the River channel whichever is reached earlier.
 - [11]** The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre.
 - [12]** Washing of all transport vehicles should be done inside the mining lease.
 - [13]** Permanent pillars have to be constructed to demarcate width of extraction of Reserve of Minerals leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.
 - [14]** There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.
 - [15]** The Project Proponent shall also take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted in the study area.
 - [16]** Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers.
 - [17]** 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, 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.
 - [18]** No River sand mining shall be allowed in flowing water and no mining is allowed in rainy season.
 - [19]** The project proponent shall submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/ production levels shall be decreased/ stopped accordingly till the replenishment is completed.
 - [20]** The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
 - [21]** The dumping site selected and proposed shall be used for over burden dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
 - [22]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
 - [23]** Green belt should be developed as per the proposed plantation as given in the proposal. Plantation should be carried out in phased manner.
 - [24]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
 - [25]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
 - [26]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/ Government approved lab.
 - [27]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.

- [28]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved from the Chief Wildlife Warden of the State before start of mining operations. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
- [29]** As envisaged, the Project Proponent shall invest at least an amount of Rs. 20.01 lakhs as capital cost & cost for implementing various environmental protection measures including recurring expenses per year.
- [30]** A sum of Rs. 53.5 Lakhs shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftmen activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
- [31]** Budgetary provision of Rs. 1 lakh per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTE/CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
- [32]** A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012..
- [33]** The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- [34]** The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
- [35]** The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36]** The project proponent shall ensure supply of drinking water through RO.
- [37]** The project proponent shall comply with all the conditions of mining as provided in the Notification dated 15.01.2016 issued by the Ministry of Environment, Forest and Climate Change, Government of India.
- [38]** The project proponent shall strictly comply with the orders passed by the Hon'ble NGT dated 18.02.2016 and 01.06.2016 and also comply with the Comprehensive Mining Plan/Recommendations prepared by the High Powered Committee constituted by the Hon'ble NGT.
- [39]** The project proponent shall carry out mining in semi mechanized manner using manpower, tractor, trucks, JCB and excavator for king transportation.

GENERAL CONDITIONS:

- [i]** Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- [ii]** Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [iii]** Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iv]** Periodic monitoring of ambient air quality shall be carried out for PM10, PM2.5, SO2 and NOx monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [v]** Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vi]** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [vii]** The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.

- [viii] 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [ix] The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Honb'le Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
- [x] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xi] All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xii] That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. 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 National Green Tribunal Act, 2010.
- [xiii] The methodology of mining shall be strictly as per orders passed by Hon'ble NGT/ Hon'ble Supreme Court from time to time.
- [xiv] The PP shall not disturb/damage the position of studs in river bed and also not to damage the river banks and not to degrade the river bed in any manner.
- [xv] Any area which have been banned by any authority/courts shall not be used for mining activity.
- [xvi] Distance of mining to be maintained from Pucca Hydraulic structure/ Bridges shall be as per approved mining plan/ guideline issued by MoEF & CC/ Court Orders.
- [xvii] Quantum mining allowed in the river will be actual replenishment or mining allotted whichever is less.
- [xviii] Any area which has been banned by any authority will be out of bound of mining.
- [xix] The PP should set the Probable replenishment checked from the reputed institution.
- [xx] The PP will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court/High Courts/NGT.

138.11 EC for expansion of Group Housing Colony at Village Badshahpur, Sector-68, District Gurgaon, Haryana by M/s Sarv Realtors Pvt. Ltd.

Project Proponent : Sh. Ashok Vardan
Consultant : Vardan EnviroNet

The project was submitted to the SEIAA, Haryana on 20.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

Thereafter the case was taken up for approval of Terms of Reference in the 126th meeting of the SEAC held on 28.01.2016 and were conveyed to the project proponent vide letter No. 604 dated 10.02.2016 with the following conditions:

Further, the project proponent will submit the following at the time of appraisal:

1. The PP to submit the certified copy of report from Regional Director, MoEF regarding status of compliance of the conditions stipulated in the Environmental Clearance as contained in the MoEF circular dated 30.05.2012.
2. The PP to submit Status of compliance of the conditions and environmental safeguards stipulated in the earlier clearance letters.
3. The PP to submit Details of the court cases, if any, pending in any court of law against the project as well as any directions passed by the court relating to the project directly or indirectly.

- [xi] The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
- [xii] The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.
- [xiii] The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv] The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvii] 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii] The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xix] The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx] Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

142.03 Environment Clearance for expansion of Group Housing Colony at Village Naurangpur, Sector-79, Gurgaon, Haryana by M/s Sterling infrastructure Pvt. Ltd.

Project Proponent : Sh. Rajiv Jha, Authorised Signatory

Consultant : Perfect Enviro Solutions Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 29.02.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 132nd meeting of the SEAC held on 27.04.2016 and conveyed vide letter No. 1018 dated 12.05.2016.

Project proponent further stated that they are already generating data from March, 2016 and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from March, 2016 onwards.

The PP submitted the EIA/EMP vide letter dated 21.07.2016. Thereafter, the case was taken up for appraisal in the 138th meeting of the SEAC held on 04.08.2016.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit the assurance of the supply of the water during construction phase from safe area through tankers and permission from CGWA for using the ground water of the existing borewell including permission from HUDA for supply of water during operation Phase with detailed clarification regarding availability of water in the area.
2. The PP should submit contour sheet of the area alongwith demarcation of the project on the contour sheet.
3. The PP should submit NOC from the Fire Department.
4. The PP should submit details of incremental pollution load and impact on Air Quality from vehicular traffic and DG Sets alongwith mitigation measures.
5. The PP should submit the detail Rain Water Harvesting proposal along with design as per HUDA norms and as approved by Central Ground Water Authority (CGWA) for zero runoff discharge.
6. The PP should submit revised fresh water requirement and water balance diagram.
7. The PP should submit storm water management plan during construction phase.
8. The PP should submit the permission from the Deputy Commissioner for crossing the road for laying of services.
9. PP should submit detailed site plan showing surface parking and area breakup of green, roads and ground coverage.
10. The PP should submit detailed green belt plan of atleast 30.80% viz:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and
 - (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.

The observations of 138th meeting were conveyed to the PP vide letter No. 1357 dated 17.08.2016. The PP submitted the reply vide letter dated 24.08.2016. Thereafter, the case was taken up for appraisal in the 140th meeting of the SEAC held on 09.09.2016.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit the detail Rain Water Harvesting proposal along with design as per HUDA norms and as approved by Central Ground Water Authority (CGWA) for zero runoff discharge.
2. The PP should submit revised fresh water requirement and water balance diagram.
3. The PP should submit storm water management plan during construction phase.
4. The PP should submit the permission from the Deputy Commissioner for crossing the road for laying of services.

The observations of 140th meeting were conveyed to the PP vide letter dated 15.09.2016. The PP submitted the reply on 15.09.2016. Thereafter the case was taken up for appraisal in the 142nd meeting of the SEAC held on 07.10.2016.

During presentation, the Committee was informed that it is a proposed Expansion of Group Housing Complex shall be located at Village – Naurangpur, Sector-79, Gurgaon, Haryana being developed by M/S Sterling Infrastructure Pvt. Ltd. The estimated cost of the project is Rs. 459.09 Crores. Total Plot area is 17.43 Acres (70541.654 Sq. Meters). Total built up area will be approximately 169912.215 Sq. Meters. Basement area of 44082.382 Sq. Meters has been proposed. The project will comprise of 940 no of . Dwelling units, 167 no of EWS, 95 no. of Servant Unit, Commercial Area, community building/club, Nursery& primary school. The maximum height of the building is approx. 44.5 meters. It was also informed that the green area development has been kept as 30.0% (i.e.20012 SQ. Meter approximately) of the net plot area. 6808 Sq. Meters of the total plot area would be earmarked for plantation in the form of shelter belt around the periphery of the project area and in the form of avenue line on either side of the roads. 13204 Sq. Meters of the total plot area under herbs/shrubs/climbers/lawns, parks. The total water requirement for the project will be 960 KLD (i.e. 544 KLD of fresh water & 416 KLD of recycled treated water). The waste water generation will be 714 KLD which will be treated upto tertiary level in STP having total capacity of 960 KLD (Parcel A-600 KLD & Parcel B- 360 KLD. The STP treated water will be used for flushing, horticulture and other misc. purposes.

The Air quality data shows exceeding baseline in respect of PM₁₀ which ranges from 124.9- 137.7 µg/m³ and PM_{2.5} parameters within the limit ranges from 58.9- 65.0 µg/m³ respectively. Incremental air pollution in respect of PM₁₀ is 1.12 µg/m³. PP has submitted special mitigative measures for controlling air pollution for construction phase and operation phase which includes 5 meters high barricade wall at the periphery, broad leafy trees would be planted as green belt, trees with heavy foliage would be planted on both side of carriage way, ultra low Sulphur Diesel (5 ppm) would be used as fuel in DG Sets, Stack height of DG set would be as per CPCB norms. These measures would minimize the impact on air environment.

It was informed by the project proponent that the power requirement for the project will be 8956 KW. Parking requirement for the project as per Haryana Bye Laws is 1692 ECS and the parking proposed to be provided in the project is 1692 ECS. There will be total solid waste generation of 2735 Kg/day. Out of this the bio-degradable waste 1915 Kg/day will be composted in 2 Nos. of Organic Waste Converter provided within the project premises and the manure produced will be used for horticulture and green development. The calculations of the same are in accordance with the prescribed norms. It was pointed out that the required water for the project will be provided through HUDA.

Detailed discussions were held about Solid Waste Management, rain water harvesting, fire fighting plan, noise and vibration plan, health and welfare of the laborers, electrical hazard plan, environment monitoring plan, energy conservation measures and environment management plan. There will be 17 numbers of rain water harvesting structures as approved by the Central Ground Water Authority (CGWA). The mitigation measures were found in order by the Committee.

After deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

- [1]** “Consent for Establish” shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2]** A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3]** Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4]** All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
- [5]** The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [6]** 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7]** The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.

- [8]** The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [9]** Ambient noise levels shall conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/MoEF.
- [10]** Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11]** Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [12]** Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13]** In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.
- [14]** Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [15]** Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [16]** The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [17]** Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.
- [18]** The Project Proponent as stated in the proposal shall construct total 14 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.
- [19]** The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [20]** The Project Proponent shall obtain assurance from the DHBVN for supply of 5749.58 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [21]** Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.
- [22]** The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.
- [23]** The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [24]** Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [25]** The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [26]** The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [27]** The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.

- [28]** The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [29]** The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [30]** The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.
- [31]** The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.
- [32]** The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.
- [33]** The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.
- [34]** The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [35]** The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [36]** The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.
- [37]** The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [38]** The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [39]** The project proponent shall maintain the distance between STP and water supply line.
- [40]** The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [41]** The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

- [a]** "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b]** The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.
- [c]** Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.
- [d]** For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
- [e]** Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.
- [f]** Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Affordable Group Housing Project.
- [g]** The project proponent as stated in the proposal should maintain at least 20.10% as green cover area for tree plantation especially all around the periphery of the project and on the road sides

- preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
- [h]** The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
- [i]** Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
- [j]** The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [k]** 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 & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
- [l]** Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
- [m]** The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.
- [n]** The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2016 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- [o]** The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
- [p]** The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.
- [q]** The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.
- [r]** Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s]** Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.
- [t]** Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [u]** Water supply shall be metered among different users and different utilities.
- [v]** The project proponent shall ensure that the of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.
- [w]** All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x]** The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and

- minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [y] The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
 - [z] The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.
 - [aa] The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
 - [ab] The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.
 - [ac] The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.
 - [ad] The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

- [i] The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [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 e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii] STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.
- [v] The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii] Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
- [ix] Any appeal against the 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.
- [x] The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi] The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
- [xii] The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.

- [xiii] The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv] The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvii] 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii] The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xix] The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx] Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

142.04 Environmental Clearance for the proposed Warehousing and Transport Hub (243.89 Acres) in village Babra Bakipur, Patil Hazipur, Tehsil Farrukhnagar and Village Dhana, Gurgaon in IMT Manesar by M/s HSIIDC Industrial Estate

Project Proponent : Sh. S.K. Khaitan, Senior Manager
Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 09.01.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 118th meeting of the SEAC held on 03.03.2015 and conveyed to the project proponent vide letter No. 2050 dated 10.03.2015 with the condition that PP should submit the following documents along with EIA Report:

1. As per letter No. J-11013/41/2006.1A.II(1) dated 2nd December, 2009 issued by the MoEF, the PP should apply to the NBWL for seeking its permission and copy of the same be submitted to the office.

The project proponent submitted the EIA/EMP alongwith proof of submission of application with NBWL vide letter dated 14.09.2015. Thereafter the case was taken up for appraisal in the 127th meeting of the SEAC held on 15.02.2016.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit detailed water requirement and its source alongwith water balance diagram.
2. The PP should Aravali NOC/Clearance issued by the Deputy Commissioner, Gurgaon.
3. PP should submit surface/stilt parking plan along with details of parking space provided & traffic movement pattern along with width of internal roads.

The observations of 131st meeting were conveyed to the project proponent vide letter No. 883 dated 20.04.2016. The PP submitted the reply on 03.05.2016. Thereafter the case was taken up for appraisal in the 135th meeting of the SEAC held on 28.06.2016.

The case was not heard as no documentary proof was submitted by the PP regarding no construction after the expiry of EC already granted upto 30.04.2014 to till date.

The observations of 135th meeting were conveyed to the project proponent vide letter No. 1198 dated 12.07.2016. The PP submitted the reply on 17.11.2016. Thereafter the case was taken up for appraisal in the 146th meeting of the SEAC held on 15.12.2016.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit the assurance of the supply of the water during construction phase from safe area through tankers and permission from CGWA for using the ground water of the existing borewell including permission from HUDA for supply of water during Construction and Operation Phase with detailed clarification regarding availability of water in the area.
2. The PP should submit revised contour plan.
3. The PP should submit revised STP Plan.
4. The PP should submit revised green belt plan.
5. The PP should submit municipal solid waste plan.
6. The PP should submit revised CSR Plan.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/ filing.

146.12 Environment Clearance for proposed affordable Group Housing Colony located in the revenue estate of village Bhatola, Sector-85, District Faridabad, Haryana by M/s VRP Buildtech Pvt. Ltd.

Project Proponent : Mr. Jitesh Gupta

Consultant : Aplinka Solutions and Technologies Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 24.11.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter, the case was taken up for appraisal in the 146th meeting of the SEAC held on 15.12.2016.

During presentation, the Committee was informed that it is a proposed Affordable Group Housing Colony at Sector 85, Faridabad, Haryana M/s VRP Buidtech Pvt. Ltd. The estimated cost of the project is Rs. 157.66 Crores. Total Plot area is 5.05 Acres (20461.885 Sq. meters). Total built up area will be approximately 59680.89 Sq. Meters. Basement area of 1161.38 Sq. Meters has been proposed. The project will comprise of 7 residential towers, commercial area, anganwadi/ crèche & community hall. The maximum height of the building is approx. 49 meters. It was also informed that the green area development has been kept as 20.05% (i.e. 4102.60 Sq. meter approximately) of the total plot area. 20461.8853 Sq. meters) of the total plot area would be earmarked for plantation in the form of shelter belt around the periphery of the project area and in the form of avenue line on either side of the roads. 4102.60 sq. meters of the total plot area under herbs/shrubs/climbers/lawns, parks. The total water requirement for the project will be 538 KLD (i.e. 334 KLD of fresh water & 204 KLD of recycled treated water). The waste water generation will be 442 KLD which will be treated upto tertiary level in STP having total capacity of 530 KLD. The STP treated water will be used for flushing, horticulture and other misc. purposes.

The Air quality data shows exceeding baseline in respect of PM₁₀ and PM_{2.5} parameters which ranges approximately from 163.27 to 185.21 µg/m³ and 72.49 to 87.79 µg/m³ respectively. Incremental air pollution in respect of PM₁₀ is 0.01 g/s. PP has submitted special mitigative measures for controlling air pollution for construction phase and operation phase which includes 5 meters high barricade wall at the periphery, broad leafy trees would be planted as green belt, trees with heavy foliage would be planted on both side of carriage way, ultra low sulphur diesel (5 ppm) would be used as fuel in DG Sets, Stack height of DG set would be as per CPCB norms. These measures would minimize the impact on air environment.

It was informed by the project proponent that the power requirement for the project will be 4195 KVA. Parking requirement for the project as per Haryana Bye Laws is 365 ECS but the parking proposed to be provided in the project is 375 ECS and 730 two wheeler parking is also proposed. There will be total solid waste generation of 1939 Kg/day. Out of this the bio-degradable waste 1163.40 Kg/day will be composted in 2 Nos. of Organic Waste Convertors provided within the project premises and the manure produced will be used for horticulture and green development. The calculations of the same are in accordance with the prescribed norms. It was pointed out that the required water for the project will be provided through HUDA.

Detailed discussions were held about Solid Waste Management, rain water harvesting, fire fighting plan, noise and vibration plan, health and welfare of the laborers, electrical hazard plan, environment monitoring plan, energy conservation measures and environment management plan. There will be 6 numbers of rain water harvesting structures as approved by the Central Ground Water Authority (CGWA). The mitigation measures were found in order by the Committee.

After deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

- [1]** “Consent for Establish” shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2]** A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3]** Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4]** All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
- [5]** The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [6]** 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.

- [7]** The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [8]** The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [9]** Ambient noise levels shall conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/MoEF.
- [10]** Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11]** Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [12]** Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13]** In view of the severe constraints in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.
- [14]** Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [15]** Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [16]** The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [17]** Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.
- [18]** The Project Proponent as stated in the proposal shall construct total 10 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.
- [19]** The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [20]** The Project Proponent shall obtain assurance from the DHBVN for supply of power before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [21]** Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.
- [22]** The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.
- [23]** The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [24]** Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.

- [25]** The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [26]** The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [27]** The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.
- [28]** The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [29]** The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [30]** The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.
- [31]** The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.
- [32]** The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.
- [33]** The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.
- [34]** The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [35]** The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [36]** The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.
- [37]** The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [38]** The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [39]** The project proponent shall maintain the distance between STP and water supply line.
- [40]** The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [41]** The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

- [a]** "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b]** The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.
- [c]** Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.

- [d]** For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
- [e]** Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.
- [f]** Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Affordable Group Housing Project.
- [g]** The project proponent as stated in the proposal should maintain at least 20.10% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
- [h]** The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
- [i]** Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
- [j]** The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [k]** 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 & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
- [l]** Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
- [m]** The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.
- [n]** The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2016 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- [o]** The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
- [p]** The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.
- [q]** The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.
- [r]** Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s]** Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent

should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.

- [t]** Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [u]** Water supply shall be metered among different users and different utilities.
- [v]** The project proponent shall ensure that the of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.
- [w]** All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x]** The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [y]** The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
- [z]** The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.
- [aa]** The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
- [ab]** The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.
- [ac]** The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.
- [ad]** The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

- [i]** The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [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 e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii]** STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv]** The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.
- [v]** The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi]** All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and

Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.

- [vii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii]** Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
- [ix]** Any appeal against the 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.
- [x]** The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi]** The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
- [xii]** The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.
- [xiii]** The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv]** The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv]** The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi]** Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvii]** 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii]** The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xix]** The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx]** Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

Minutes of the 150th Meeting of the State Expert Appraisal Committee, constituted for considering Environmental Clearance of Projects (B category) under Government of India Notification dated 14.09.2006, held on 06th and 07th April, 2017 under the Chairmanship of Sh. G.R. Goyat, Chairman, SEAC at Panchkula

List of participants is annexed as **Annexure-A**.

At the outset the Chairman, SEAC welcomed the Members of the SEAC and advised the Secretary to give brief background of this meeting. The minutes of the 149th Meeting were discussed and approved without any further modification.

It was further informed that in this meeting 21 number projects are to be taken up for scoping, appraisal and grading as per the agenda/minutes circulated.

After preliminary discussion, the following projects were taken up on case-to-case basis:-

150.01 Environmental Clearance for construction of Cyber park Colony in the Revenue Estate of Village Behrampur, SEctor-58, Gurgaon-Manesar Urban complex, Haryana by M/s Basic Developers Pvt. Ltd.

Project Proponent : Sh. Umakant Gupta, Authorized Signatory

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 10.08.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The Terms of Reference were approved in the 139th meeting of the SEAC held on 30.08.2016 and conveyed to the project proponent vide letter No. 1411 dated 09.09.2016. The PP submitted the EIA/EMP vide letter dated 17.02.2017. Thereafter, the case was taken up in the 150th meeting held on 06.04.2017.

The Project Proponent requested for adjournment and the same was discussed in the meeting. The Committee acceded to the request and decided to list the project in the 151st meeting of the SEAC. Accordingly the notice will be issued by the Secretary, SEAC to the Project Proponent.

150.02 Environmental Clearance for construction of IT/ITES SEZ project located at Village Behrampur, Tehsil-Sohna, Dist-Gurgaon, Haryana by M/s. Mikado Realtors Pvt. Ltd.

Project Proponent : Mr. SatyaPal Singh, Authorized Signatory

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 10.08.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The Terms of Reference were approved in the 139th meeting of the SEAC held on 30.08.2016 and conveyed to the project proponent vide letter No. 1411 dated 09.09.2016. The PP submitted the EIA/EMP vide letter dated 17.02.2017. Thereafter, the case was taken up in the 150th meeting held on 06.04.2017.

As per the amendment in the EIA Notification issued recently by Ministry of Environment and Forest & Climate Change, Government of India on dated 09th December, 2016, the construction projects having covered area more than 300000 Sq. Meters or 150 Ha. falls under the competency of the Ministry of Environment and Forest & Climate Change, Government of India. Therefore, at present this case does not fall under the purview of SEIAA/SEAC.

In view of above, the Committee is of the unanimous view that this case is having **built-up area of 528188.60 Sq. Meters**, therefore does not fall under the purview of SEIAA/SEAC and may be referred to SEIAA for sending it to the concerned authority for deciding the Environment Clearance case as per latest notification dated 09th December, 2016. SEIAA may take a final view in the matter.

150.03 Environment Clearance for Revision & Expansion of Group Housing Colony "Raheja Revanta", Village-Shikohpur, Sector-78, District Gurgaon-Manesar Urban Complex, Haryana by M/s Raheja Developers Ltd.

Project Proponent : Sh. Sajjal Gupta

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 29.09.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The Terms of Reference were approved in the 143rd meeting of the SEAC held on 26.10.2016 and conveyed to the project proponent vide letter No. 1590 dated 08.11.2016. The PP submitted the EIA/EMP vide letter dated 17.02.2017. Thereafter, the case was taken up in the 150th meeting held on 06.04.2017.

After detailed discussions, the following shortcomings were observed:

1. The PP should explain for decrease of green area.
2. The PP should submit the assurance of the supply of the water during construction phase from safe area through tankers and permission from CGWA for using the ground water of the existing borewell including permission from HUDA for supply of water during operation Phase with detailed clarification regarding availability of water in the area.
3. The PP should submit disposal plan of MSW Biodegradable waste.
4. The PP should submit undertaking to comply with HAREDA norms for solar lighting.
5. The PP should submit revised fresh water requirement and water balance diagram.
6. The PP should submit NOC from Fire Department.
7. The PP should submit details of fire tender movements.
8. The PP should submit permission from HUDA for disposal of treated sewage discharge in public sewer.
9. The PP should submit revise structure stability plan.
10. The PP should submit ground water site specific hydro-geological details along with recharge capacity of recharge pit based on field test and also submit rain water harvesting maintenance plan.
11. The PP should submit contour plan, master plan alongwith marking of levels on the site plan with respect to Survey of India Sheet.
12. The PP should submit detailed design calculations of STP alongwith dimension of each component and also submit unit wise reduction of BOD for STP.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/ filing.

150.04 Environment Clearance for Revision and Expansion of existing Industrial Warehousing / Logistics/Assembling Park at Village Luhari, Tehsil & Distt. Jhajjar, Haryana by M/s HCY Industrial Park Pvt. Ltd.

Project Proponent : Mr. Mahendra Waghule

Consultant : Aplinka Solutions

The project was submitted to the SEIAA, Haryana on 23.02.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for appraisal in the 150th meeting of the SEAC held on 06.04.2017.

During presentation, the Committee was informed that it is the revision and expansion of the Industrial Warehousing/Logistics/Assembling Park located at Village Luhari, Tehsil & District Jhajjar, Haryana with the proposal as given under:

Sr. No.	Particulars	Existing	Constructed	Revision	Expansion	Total (EC Accorded + Revision)
1.	Total Plot Area	1,03,271.20 m ²	1,03,271.2 m ²	-	6,322.09 m ²	1,09,593.29 m ²

2.	Achieved Ground Coverage	51,189.6 m ²	48,597.64 m ²	4,073.18 m ²	5373.78 m ²	58,044.60 m ²
3.	Achieved FAR	55,885.46 m ²	52,642.5 m ²	4,758.68 m ²	5373.78 m ²	62,774.96 m ²
4.	Non FAR	384.64 m ²	384.64 m ²	-	-	384.64
5.	Blocks	6 blocks B500, B600, B700, B800, B900, B1000		1 block (B600 & B700 will be combined together and termed as B750)		5 blocks B500, B750, B800, B900, B1000
6.	Landscape Area	24,311.93 m ²	24,311.93 m ²	-	-	24,311.93 m ²
7.	Built Up Area	56,269.92 m ²	53,027.14 m ²	4,758.68 m ²	5373.78 m ²	63,159.6 m ²
8.	Population	1242	-	-	-	1242
9.	Total Wastewater Requirement	49 KLD	-	-	-	49 KLD
10.	STP capacity	130 KLD	-	-	-	130 KLD
11.	RWH Pits	25	25	-	1	26
12.	Parking	619 ECS	-		39	658
13.	Power Requirement	1500 kVA	-	-	-	1500 kVA
14.	DG sets	1x1000 kVA, 1x 500 kVA	-	-		1x1000 kVA, 1x 500 kVA
15.	Solid Waste Generation	300 kg/day	-	-	-	300 kg/day
16.	Project Cost		Rs 138 Cr.			

The Air quality data shows baseline in respect of PM₁₀ and PM_{2.5} parameters which ranges approximately from 78.37 to 92.64 µg/m³ and 47.56 to 57.82 µg/m³ respectively. Incremental air pollution in respect of PM₁₀ is 0.122g/s. PP has submitted special mitigative measures for controlling air pollution for construction phase and operation phase which includes 5 meters high barricade wall at the periphery, broad leafy trees would be planted as green belt, trees with heavy foliage would be planted on both side of carriage way, ultra low sulphur diesel (5 ppm) would be used as fuel in DG Sets, Stack height of DG set would be as per CPCB norms. These measures would minimize the impact on air environment.

It is estimated that the total water demand during the operation phase will be 101 KLD. The fresh water requirement for the project will be 57 KLD. The treated water requirement will be approx. 49 KLD, which includes water requirement for flushing and horticulture. There will be total solid waste generation of 300 Kg/day. Out of this the bio-degradable waste will be sold to authorized vendor. The calculations of the same are in accordance with the prescribed norms. It was informed that the required water for the project will be provided through bore well for which the permission has already been obtained by CGWA.

After deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

- [1]** “Consent to Establish” shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2]** A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3]** Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labors is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4]** All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
- [5]** The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [6]** 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7]** The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [8]** The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [9]** Ambient noise levels shall conform to the commercial standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated commercial standards of CPCB/MoEF.
- [10]** Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11]** Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [12]** Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13]** In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.
- [14]** Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [15]** Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [16]** The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [17]** Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.
- [18]** The Project Proponent as stated in the proposal shall construct total 26 (existing + expansion) rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.

- [19]** The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [20]** The Project Proponent shall obtain assurance from the DHBVN for supply of power before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [21]** Detail calculation of power load and ultimate power load of the project shall be submitted to UHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.
- [22]** The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.
- [23]** The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [24]** Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [25]** The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [26]** The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [27]** The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.
- [28]** The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [29]** The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [30]** The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.
- [31]** The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.
- [32]** The project proponent shall develop complete civic infrastructure of the Warehouse project including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.
- [33]** The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.
- [34]** The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [35]** The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [36]** The project proponent shall seek specific prior approval from concerned local Authority/HUDA (if applicable) regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.
- [37]** The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [38]** The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [39]** The project proponent shall maintain the distance between STP and water supply line.
- [40]** The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [41]** The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

- [a]** "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b]** The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit

- discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.
- [c]** Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.
 - [d]** For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
 - [e]** Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel(35 ppm sulphur),instead of low sulphur diesel.
 - [f]** Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Warehouse project.
 - [g]** The project proponent as stated in the proposal should maintain at least 22.18 % as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
 - [h]** The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
 - [i]** Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
 - [j]** The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
 - [k]** 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 & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
 - [l]** Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
 - [m]** The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.
 - [n]** The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2016 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
 - [o]** The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
 - [p]** The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.

- [q]** The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.
- [r]** Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s]** Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.
- [t]** Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [u]** Water supply shall be metered among different users and different utilities.
- [v]** The project proponent shall ensure that the stack of DG sets is more than the highest block/ building and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.
- [w]** All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x]** The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [y]** The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
- [z]** The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.
- [aa]** The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
- [ab]** The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.
- [ac]** The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.
- [ad]** The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

- [i]** The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [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 e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii]** STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv]** The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.

- [v]** The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi]** All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii]** Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
- [ix]** Any appeal against the 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.
- [x]** The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi]** The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
- [xii]** The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.
- [xiii]** The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution under Control' certificate from competent Authority.
- [xiv]** The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv]** The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi]** Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvii]** 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii]** The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xix]** The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx]** Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

150.05 Environment Clearance for expansion of Group Housing Project "Lavanya Apartments" at Sector-81, Village Nawada Fatehpur, Gurgaon by M/s Graphic Research Consultants (India) Pvt. Ltd.

Project Proponent : Sh. Ravinder

Consultant : KADAM Enviro

The project was submitted to the SEIAA, Haryana on 23.02.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for appraisal in the 150th meeting of the SEAC held on 06.04.2017.

During discussion, it was revealed that project proponent has already started the construction without obtaining prior environmental clearance which amounts to violation of EIA Notification dated 14.09.2006. *The fact apparently was brought before the Committee on reference to the project proposal.*

The Committee again went through the latest Notification dated 14.03.2017 relating to Consideration of proposals for ToRs/Environment Clearance involving violation of the Environment (Protection) Act, 1986/Environment Impact Assessment(EIA) Notification, 2006 which clearly states that in case the project or activities required prior Environmental Clearance under Environmental Impact Assessment Notification, 2006 from the concerned Regulatory Authority are brought for Environmental Clearance after starting the construction work, or have undertaking expansion, modernization and change in product mix without prior Environmental Clearance, these projects shall be treated as cases of violation and in such cases, even Category B projects which are granted environmental clearance by the State Environment Impact Assessment Authority constituted under sub-section(3) of section 3 of the Environment (Protection) Act, 1986 shall be apprised for grant of environmental clearance only by the Expert Appraisal Committee and the Environmental Clearance will be granted at the Central level.

In view of above, the Committee is of the unanimous view that this case may be referred to SEIAA for sending it to the concerned authority for deciding the Environment Clearance case as per latest notification dated 14.03.2017. SEIAA may take a final view in the matter.

150.06 Environment Clearance for construction of Commercial Complex Project at near Village-Tikri, Sector-48, Gurgaon, Haryana by M/s Dharam Pal & Others.

Project Proponent : Sh. Vinod Munshi

Consultant : Vardan Enviro Solutions Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 29.09.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The case was taken up for appraisal in the 143rd meeting of the SEAC held on 26.10.2016.

After detailed discussions, the following observations were observed:

1. The PP should submit the assurance of the supply of the water during construction phase from safe area through tankers and permission from CGWA for using the ground water of the existing borewell including permission from HUDA for supply of water during operation Phase with detailed clarification regarding availability of water in the area.
2. The PP should submit Aravali NOC from Deputy Commissioner, Gurgaon for Khasra Nos. 16//1/2/2/1 (1.4 Acres)
3. The PP should submit revised fresh water requirement as per MoEF norms and water balance diagram.
4. The PP should submit ground water site specific hydrogeological details alongwith detail design and recharge capacity of recharge pit and should submit Rain water harvesting maintenance plan.
5. The PP should submit collaboration agreement.
6. The PP should submit revised Form I and Form IA.
7. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP including hydraulic design.

8. The PP should submit MSW Bio composting plan in open area.
9. The PP should submit revised detailed Area Statement, inclusive of total FAR & non FAR areas (basements, stilts, projection, etc.)
10. The PP should submit surface parking plan along with details of parking space provided & traffic movement pattern.
11. The PP should submit the details of passive solar architectural features used in the building.
12. The PP should submit soil investigation report.
13. The PP should submit an undertaking for compliance of HAREDA norms regarding energy conservation.
14. The PP should submit detailed green belt plan atleast 25% of the total plot area viz:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and
 - (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.

The observations of 143rd meeting were conveyed to the PP vide letter No. 1587 dated 08.11.2016. The PP submitted the reply vide letter dated 01.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 06.04.2017.

During presentation by project proponent, it was observed that validity of license has since expired. Hence, the case was not heard. PP was advised to submit the revalidated license and submit the copy of the same.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

150.07 Environmental Clearance for proposed affordable group housing scheme measuring 5.6534 acres in sector 32-A, Karnal, Haryana by M/s JD Universal Infra Ltd.

Project Proponent : Sh. Direy Dhamija
Consultant : Ind Tech House Consult

The project was submitted to the SEIAA, Haryana on 14.09.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The case was taken up for appraisal in the 141st meeting of the SEAC held on 29.09.2016.

After details discussions, the following shortcomings were observed:

1. The PP should submit the status of the construction of their project giving a duly notarized affidavit from the director of the Company.
2. The PP should submit solar energy generation plan as per HAREDA.
3. The PP should submit detailed design calculations of STP alongwith dimension of each component and also submit unit wise reduction of BOD for STP.
4. The PP should submit disposal plan of MSW Biodegradable waste.
5. The PP should submit the permission for discharge of treated water from the Competent Authority.
6. The PP should submit the detail Rain Water Harvesting proposal along with design as per HUDA norms and as approved by Central Ground Water Authority (CGWA) for zero runoff discharge.
7. The PP should submit detailed design and dimensions of recharge pit and de-silting chamber along with rain water harvesting maintenance plan.
8. The PP should submit revised fresh water requirement and water balance diagram.
9. The PP should submit surface/stilt parking plan along with details of parking space provided & traffic movement pattern along with width of internal roads.
10. The PP should submit revised site plan showing, electric panel room & other constructions within zoned area only.
11. The PP should submit the Built-up Area Statement to include balconies in the Non F.A.R. areas which has not been taken into account.
12. The PP should submit detailed green belt plan of atleast 30% viz:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and

- (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.

The observations of 141st meeting were conveyed to the PP vide letter No. 1503 dated 05.10.2016. The PP submitted the reply vide letter dated 03.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 06.04.2017.

After details discussions, the following shortcomings were observed:

1. The PP should submit solar energy generation plan as per HAREDA.
2. The PP should submit detailed design calculations of STP alongwith dimension of each component and also submit unit wise reduction of BOD for STP.
3. The PP should submit disposal plan of MSW Biodegradable waste.
4. The PP should submit the permission for discharge of treated water from the Competent Authority.
5. The PP should submit the detail Rain Water Harvesting proposal along with design as per HUDA norms and as approved by Central Ground Water Authority (CGWA) for zero runoff discharge.
6. The PP should submit detailed design and dimensions of recharge pit and de-silting chamber along with rain water harvesting maintenance plan.
7. The PP should submit revised site plan showing, electric panel room & other constructions within zoned area only.
8. The PP should submit the Built-up Area Statement to include balconies in the Non F.A.R. areas which has not been taken into account.
9. The PP should submit detailed green belt plan of atleast 30% viz:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and
 - (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/ filing.

150.08 Environmental Clearance for river Bed Mining Project of Minor Mineral Boulder, Gravel and Sand with production capacity of 12,78,000 TPA at Village Gobindpur, Tehsil-Raipur Rani, District-Panchkula, Haryana by M/s Gobindpur Royalty Company.

Project Proponent : Sh. Kushal Sharma,

Consultant : Envirta Sustainable Solutions India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 27.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 125th meeting of the SEAC held on 13.01.2016 and conveyed to the project proponent vide letter No. 524 dated 27.01.2016. The project proponent requested that they may be allowed to use the previously generated data which was in accordance with the standard Terms of Reference. PP further stated that they are already generating data from October, 2015 and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from November, 2015 onwards.

The PP submitted the EIA/EMP vide letter dated 01.09.2016. Thereafter, the case was taken up in the 141st meeting of the SEAC held on 27.09.2016.

After details discussions, the following shortcomings were observed:

1. The PP should submit an undertaking that no mining activity shall be carried out during monsoon period and depth of mining shall be restricted to the 3 metres or water table whichever is lesser.
2. The PP should submit an undertaking for semi-mechanized mining.

3. The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.
4. The PP should submit the plan for Link road and haulage road to be metaled and plantation to be maintained. Proposal on the same be given along with costing and specifications.
5. The PP should submit revised CSR plan and revised Environment Management Plan. CSR plan to be submitted with specific name of the school and village.
6. The PP should submit the scheme for disposal of domestic water and design of septic tank
7. The PP should submit quantity of water used for dust suppression and water tankers.
8. The PP should submit an undertaking that no mining shall be carried out along the 25 meters of the distance of both sides of the banks.
9. The PP should submit an undertaking to comply with the minutes of public hearing..
10. The PP should submit an affidavit for replenishment studies from reputed institute before the starting of excavation after monsoon period.
11. The PP should submit an undertaking that they will comply with the procedure for the monitoring of riverbed.
12. The PP should submit an Affidavit for the top soil preservation so that the same shall be used for irrigation restoration by used mined area.
13. Permission from Irrigation Department for sand mining from river /canal bed and bund area.
14. Preserve site condition marked on H-43 L 2.
15. Permission from Gram Panchayat for drinking water.
16. The PP should submit baseline data of ground water quality/ water table.

The observations of 141st meeting were conveyed to the PP vide letter No. 1495 dated 05.10.2016. The PP submitted the reply vide letter dated 04.11.2016. Thereafter the case was taken up in the 145th meeting of the SEAC held on 29.11.2016.

The case was not heard as the project proponent failed to circulate the documents (Form 1, Form 1A and Conceptual Plan) to all the Members well in time. The project proponent had undertaken to circulate the documents to all the Members well in time and requested for considering their case for appraisal in the next meeting of the SEAC. It was unanimously decided by the Committee that the case will be considered in the 146th meeting to be held on 15.12.2016. It was also made clear to the Project Proponent that no separate letter will be issued for attending the meeting of the SEAC. Thereafter, the case was taken up for appraisal on 15.12.2016.

After details discussions, the following shortcomings were observed:

1. The PP should submit an undertaking that no mining activity shall be carried out during monsoon period and depth of mining shall be restricted to the 3 metres or water table whichever is lesser.
2. The PP should submit an undertaking for semi-mechanized mining.
3. The PP should submit the traffic study and its impact on ambient air quality alongwith mitigation measures for controlling air pollution and will also submit an undertaking for enhancing the dust separation measures.
4. The PP should submit the plan for Link road and haulage road to be metaled and plantation to be maintained. Proposal on the same be given along with costing and specifications.
5. The PP should submit revised CSR plan and revised Environment Management Plan. CSR plan to be submitted with specific name of the school and village.
6. The PP should submit the scheme for disposal of domestic water and design of septic tank
7. The PP should submit quantity of water used for dust suppression and water tankers.
8. The PP should submit an undertaking that no mining shall be carried out along the 25 meters of the distance of both sides of the banks.
9. The PP should submit an undertaking to comply with the minutes of public hearing..
10. The PP should submit an affidavit for replenishment studies from reputed institute before the starting of excavation after monsoon period.
11. The PP should submit an undertaking that they will comply with the procedure for the monitoring of riverbed.
12. The PP should submit an Affidavit for the top soil preservation and detailed be marked on H-43 L 2 /concerned Survey of India Sheet so that the same shall be used for irrigation restoration by used mined area.
13. Permission from Irrigation Department for sand mining from river /canal bed and bund area.
14. Permission from Gram Panchayat for drinking water.

The observations of 146th meeting were conveyed to the PP vide letter No. 1705 dated 10.01.2017. The PP submitted the reply vide letter dated 03.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 06.04.2017.

During discussions, the Committee was informed that it is a proposed river Bed Mining Project of Minor Mineral Boulder, Gravel and Sand with production capacity of 12,78,000 TPA at Village Gobindpur, Tehsil-Raipur Rani, District-Panchkula, Haryana by M/s Gobindpur Royalty Company.

The mine lease area 28.4 Ha. No forest land is involved. The LOI of mining lease was granted to M/s Gobindpur Royalty Company by Mines & Geology Department, Haryana vide memo no. DMG/HY/CONT/G.PUR/PKL B 18 2015/3673 dated 09.06.2015 The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter No. DMG/HY/M. Plan/PKL-18 8952 to 8955 dated 18.11.2015

The Latitudes & longitudes of the of the project site is as follows

S.No	Longitude	Latitude
1	77 ° 4' 16.24" E	30° 36' 2.85" N
2	77° 4' 17.295" E	30° 36' 2.944" N
3	77° 4' 15.484" E	30° 35' 47.297" N
4	77° 4' 4.546" E	30° 35' 36.141" N
5	77° 3' 39.482" E	30° 35' 31.867" N
6	77° 3' 16.591" E	30° 35' 28.897" N
7	77° 2' 58.04" E	30° 35' 52.00" N
8	77° 3' 1.411" E	30° 35' 49.778" N
9	77° 3' 19.584" E	30° 35' 34.742" N
10	77° 3' 34.742" E	30° 35' 36.820" N
11	77° 3' 57.479" E	30° 35' 42.525" N
12	77° 4' 9.359" E	30° 35' 49.597" N

Method of mining is opencast semi-mechanized method & Affidavit for the same has been submitted. The total water requirement is 12.74 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. Water coming under the jurisdiction of panchayat will not be used. Project proponent will arrange water tanker for water usage for domestic, water sprinkling & plantation purpose. Agreement with the water tanker company has been done regarding the same. No ground water interception during the mining operations is envisaged as ground water table is 5-10 m bgl. A safety margin of 2m will be maintained above the ground water table and no mining operation will be permitted below this level. Project Proponent informed that no National Parks, Wildlife Sanctuaries, Tiger Reserves, eco sensitive Zones falls within study area (10 km radius of the mine boundary). The capital cost of the project is Rs 1.0 Crores; for CSR Rs. 9.0 Lakhs/annum will be allocated and capital cost for Environmental Protection is Rs. 12.40900 Lakhs where was recurring cost will be Rs 16.40900 lakhs/annum. Project Proponent will make the Link road metalled and plantation will be made alongside the approach road, nearby school, hospital, police station, community center & other Public utility places in consultation with village Panchayat. 33% (9.372 ha for 10 years) of the total area will be covered under plantation along the link road, considering tree density 1500 trees/ha. Tree Plantation will be done @ 0.9372 Hectares/Annum. The project proponent will deposit 10% of the annual contract money into the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee unanimously decided to appraise the case under B2 category project on the basis of Ministry of Environment, Government of India, Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A. SPECIFIC CONDITIONS:

- [1] This Environment Clearance is granted for the proposed production for the five years @ 12,78,000 TPA. The ultimate depth of Mining will be 3 meters. The elevation range of mine site is 342m to 345m armsl. The Corner Coordinates of the leased area are:

S.No	Longitude	Latitude
1	77° 4' 16.24" E	30° 36' 2.85" N
2	77° 4' 17.295" E	30° 36' 2.944" N
3	77° 4' 15.484" E	30° 35' 47.297" N
4	77° 4' 4.546" E	30° 35' 36.141" N
5	77° 3' 39.482" E	30° 35' 31.867" N
6	77° 3' 16.591" E	30° 35' 28.897" N
7	77° 2' 58.04" E	30° 35' 52.00" N
8	77° 3' 1.411" E	30° 35' 49.778" N
9	77° 3' 19.584" E	30° 35' 34.742" N
10	77° 3' 34.742" E	30° 35' 36.820" N
11	77° 3' 57.479" E	30° 35' 42.525" N
12	77° 4' 9.359" E	30° 35' 49.597" N

- [2] The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [3] Environmental Clearance is subject to obtaining clearance, under the Wildlife (Protection) Act, 1972 from the National Board of Wildlife, as applicable to the project.
- [4] No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.
- [5] The Project proponent shall obtain consent to Operate from the State Pollution control Board, Haryana and effectively implement all the conditions stipulated therein.
- [6] Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial /preventive measures taken accordingly. Recommendations of National Institute for labour for ensuring good occupational environment for mine workers would also be adopted.
- [7] Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc.
- [8] The number of trips of the trucks shall not exceed the estimated quantity of 4,260 Mt/day @ 170 Trips/day (25 Mt/Trip). Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages.
- [9] Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.
- [10] Excavation will be carried out up to a maximum depth of 3 meters from surface of river bed one meter above from the ground water level of the River channel whichever is reached earlier.
- [11] The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre.
- [12] Washing of all transport vehicles should be done inside the mining lease.
- [13] Permanent pillars has to be constructed to demarcate width of extraction of Reserve of Minerals leaving 25% of River width from the bank with depth of 1.5m below the ground and 1.2 m above the ground to observe its stability.

- [14]** There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.
- [15]** The Project Proponent shall also take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted in the study area.
- [16]** Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers.
- [17]** 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, 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.
- [18]** No River sand mining shall be allowed in flowing water and no mining is allowed in rainy season.
- [19]** The project proponent shall submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/ production levels shall be decreased/stopped accordingly till the replenishment is completed.
- [20]** The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [21]** The dumping site selected and proposed shall be used for over burden dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [22]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [23]** Green belt should be developed as per the proposed plantation as given in the proposal. Plantation should be carried out in phased manner.
- [24]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
- [25]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April- May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [26]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/ Government approved lab.
- [27]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [28]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved from the Chief Wildlife Warden of the State before start of mining operations. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months..
- [29]** As envisaged, the Project Proponent shall invest at least an amount of Rs. 33.30 lakhs as cost for implementing various environmental protection measures including recurring expenses per year.
- [30]** A sum of Rs. 9.0 lakh/Annum shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
- [31]** Budgetary provision of Rs. 3.0 lakh per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTE/CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.

- [32]** A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012..
- [33]** The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- [34]** The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
- [35]** The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36]** The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i]** Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- [ii]** Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [iii]** Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iv]** Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [v]** Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vi]** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [vii]** The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [viii]** 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [ix]** The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
- [x]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xi]** All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xii]** That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry / unit / project proponent. 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 National Green Tribunal Act, 2010.
- [xiii]** The methodology of mining shall be strictly as per orders passed by Hon'ble NGT/ Hon'ble Supreme Court from time to time.
- [xiv]** The PP shall not disturb/damage the position of studs in river bed and also not to damage the river banks and not to degrade the river bed in any manner.

- [xv] Any area which have been banned by any authority/courts shall not be used for mining activity.
- [xvi] Distance of mining to be maintained from Pucca Hydraulic structure/ Bridges shall be as per approved mining plan/ guideline issued by MoEF & CC/ Court Orders.
- [xvii] Quantum mining allowed in the river will be actual replenishment or mining allotted whichever is less.
- [xviii] Any area which has been banned by any authority will be out of bound of mining.
- [xix] The PP should set the Probable replenishment checked from the reputed institution.

150.09 Environmental Clearance for the proposed expansion of Clinker Grinding Unit (1.5 to 2.5 Million TPA) along with installation of Captive Power Plant (10 MW) near village Khukhrana, P.O. Assan Kalan, District- Panipat (Haryana) by M/s Shree Cement Ltd

Project Proponent : Sh. Rakesh Bhargav, Authorized Signatory

Consultant : J.M. EnviroNet Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 01.10.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 126th meeting of the SEAC held on 28.01.2016 and conveyed to the project proponent vide letter No. 610 dated 10.02.2016. The project proponent vide their letter dated 06.03.2017 requested for withdrawal of their case. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 06.04.2017.

The project proponent requested for withdrawal of their case to drop the expansion of Panipat Grinding Unit alongwith installation of 10 MW CPP due to following unavoidable circumstances:-

1. Expansion of clinker Grinding Unit was proposed to meet the future marked demand and Captive Power Plant was proposed to meet the power requirement on continual basis. However in the present market scenario, demand of cement in NCR region has almost been stagnant in recent past; hence the expansion of above project may not be yield to any tangible benefits in terms of efficiency and economic viability.
2. We are also exploring the possibilities of clean and renewable energy sources to meet the power requirement which is expected to reduce Green House Gases emission substantially.

The project proponent requested for withdrawal of their case from SEAC. The SEAC is of the unanimous view that since project proponent has requested for withdrawal of their Environmental Clearance case from SEAC/SEIAA, Haryana, their case may be filed.

150.10 Environment Clearance for expansion of Group Housing Complex at Sector-88A and 89A, Village-Harsaru, District- Gurgaon, Haryana by M/s Oasis Buildhome Pvt. Ltd.

Project Proponent : Sh. Rajiv Jha, Authorized Signatory

Consultant : Perfect Enviro Solutions Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 29.04.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 135th meeting of the SEAC held on 28.06.2016 and conveyed to the project proponent vide letter No. 1211 dated 12.07.2016. The PP submitted the EIA/EMP vide letter dated 10.11.2016. Thereafter, the case was taken up for appraisal in the 146th meeting of the SEAC held on 14.12.2016.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit the assurance of the supply of the water during construction phase from safe area through tankers and permission from CGWA for using the ground water of the existing borewell including permission from HUDA for supply of water during Construction and Operation Phase with detailed clarification regarding availability of water in the area.
2. The PP should submit fresh data of Air Quality & Water Quality of three months after rainy season.
3. The PP should submit the approved demarcation plan.
4. The PP should submit contour sheet and marking of level on their site.

5. The PP should clarify green plan of 35.04% as mentioned in the earlier Environmental Clearance granted on dated 03.09.2014 and now they are showing green area 31.07%.
6. The PP to provide separate water requirement and water balance for the proposed expansion unit area.
7. The PP should submit the proposal of wet scrubber for lower height DG set. Stack height of different DG sets have been mentioned in the EIA report, which may affect the population living in the proposed to be habituated adversely due to air pollution.
8. The PP should submit proposal for 100 meter hydraulic ladder.
9. The PP should submit structure design from the reputed consultant/institution.
10. The PP should submit CSR Plan.
11. The PP should submit revised rain water harvesting plan.

The observations of 146th meeting were conveyed to the PP vide letter No. 1707 dated 10.01.2017. The PP submitted the reply vide letter dated 07.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 06.04.2017.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit the proposal of wet scrubber for lower height DG set. Stack height of different DG sets have been mentioned in the EIA report, which may affect the population living in the proposed project adversely due to air pollution.
2. The PP should submit proposal for 100 meter hydraulic ladder.
3. The PP should submit structure stability certificate from the reputed consultant/institution.
4. The PP should submit revised rain water harvesting plan.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/filing.

150.11 Environment Clearance for construction of Sewage Treatment Plant(4.0 MLD)at village-Kithwari,Tehsil-Palwal, Distt-Palwal, Haryana by M/s Public Health Engineering Department, Division No.III, Palwal.

Project Proponent : Mr. Sanjeev, Executive Engineer

Consultant : Vardan EnviroNet Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 23.02.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for approval of Terms of Reference in the 150th meeting of the SEAC held on 07.04.2017.

The Project Proponent requested for adjournment and the same was discussed in the meeting. The Committee acceded to the request and decided to list the project in the 151st meeting of the SEAC. Accordingly the notice will be issued by the Secretary, SEAC to the Project Proponent.

150.12 Environment Clearance for Mining of Stone along with associated minor minerals at Manakawas Plot-I, Tehsil-Dadri, District-Bhiwani, Haryana-125001 by M/s Kayden Investment Pvt. Ltd.

Project Proponent : Sh. Yogesh Kumar

Consultant : Vardan EnviroNet Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 07.03.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for appraisal in the 150th meeting of the SEAC held on 07.04.2017.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit the clarification from Forest Department indicating that the mine leased area is not a Forest land.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of

complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

150.13 Environment Clearance for construction of Commercial Complex Project at Village Badha, Sector-86, District Gurgaon, Haryana by M/s S.S. Group Pvt. Ltd.

Project Proponent : Sh. Rajinder Sinha
Consultant : Vadan EnviroNet Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 16.11.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter, the case was taken up for appraisal in the 146th meeting of the SEAC held on 15.12.2016.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit the assurance of the supply of the water during construction phase from safe area through tankers and permission from CGWA for using the ground water of the existing borewell including permission from HUDA for supply of water during Construction and Operation Phase with detailed clarification regarding availability of water in the area.
2. The PP should submit revised fresh water requirement as per MoEF norms and revised water body diagram by making it zero discharge.
3. The PP should submit revised green belt plan.
4. The PP should submit revised design of recharge plan according site specific condition and provide the maintenance plan of recharge pit and recharge bore.
5. The PP should submit affidavit for non handling over occupation before release of water.
6. The PP should submit contour values corresponding to survey of India sheet be supplied/marked on the site.
7. The PP should submit detail of quantity excavated and its disposal be explained/supplied.
8. The PP should submit revised CSR Plan.

The observations of 146th meeting were conveyed to the project proponent vide letter No. 1706 dated 10.01.2017. The project proponent submitted the reply on 23.01.2017. Thereafter, the case was taken up in the 148th meeting of the SEAC held on 14.02.2017.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit revised fresh water requirement as per MoEF norms and revised water balance diagram by making it zero discharge.
2. The PP should submit revised green belt plan.
3. The PP should submit revised design of recharge plan according site specific condition and provide the maintenance plan of recharge pit and recharge bore.
4. The PP should submit contour values corresponding to survey of India sheet and levels be supplied/marked on the site of the project.
5. The PP should submit detail of quantity excavated and its disposal be explained/supplied.
6. The PP should submit revised CSR Plan.

The observations of 148th meeting were conveyed to the project proponent vide letter No. 1792 dated 01.03.2017. The project proponent submitted the reply on 14.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 07.04.2017.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit revised fresh water requirement as per MoEF norms and revised water balance diagram by making it zero discharge.
2. The PP should submit revised green belt plan.
3. The PP should submit revised design of recharge plan according site specific condition and provide the maintenance plan of recharge pit and recharge bore.
4. The PP should submit contour values corresponding to survey of India sheet and levels be supplied/marked on the site of the project.
5. The PP should submit detail of quantity excavated and its disposal be explained/supplied.

The PP is advised to submit the required information as detailed above within 30 days and it was also made clear to the PP that his project will be considered as received only after the receipt of

complete information. In case of non-receipt of information in time; the case shall be recommended for rejection/ filing.

150.14 Environment Clearance for Commercial Colony Project at Vill-Badshahpur, Sector-67, Gurgaon, Haryana by M/s Khanna Developers Pvt. Ltd.

Project Proponent : Sh. Arvinder Dhingra
Consultant : Vardan EnviorNet Ltd.

The project was submitted to the SEIAA, Haryana on 29.04.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for appraisal in the 135th meeting of the SEAC held on 28.06.2016. It was decided to constitute a Sub-Committee for site visit:

The sub-committee will consist of the following:

1. Sh. G.R. Goyat, Chairman, SEAC
2. Sh. A.K. Bhatia, Member, SEAC (Coordinator)
3. Sh. S.C. Mann, Member, SEAC

The site has since been visited and Sub-Committee had submitted its report on 09.09.2016. The report of the Sub-Committee was placed before the Committee in the 140th meeting of the SEAC held on 09.09.2016. The Sub-Committee report was read out to all the Members of the Committee and deliberated in detail. The Committee has accepted the report of the Sub-Committee in total.

The Committee after detailed discussion is of the unanimous view that the case may be placed for appraisal in the 141st meeting of the SEAC. The Project Proponent requested for adjournment and the same was discussed in the meeting. The Committee acceded to the request and decided to issue 30 days notice to the PP.

The observations of 141st meeting were conveyed to the project proponent vide letter No. 1497 dated 05.10.2016. The project proponent vide their letter dated 23.01.2017 requested for taking up of their case in the SEAC. Thereafter, the case was taken up in the 148th meeting of the SEAC held on 14.02.2017.

After details discussions, the following shortcomings were observed:

1. The PP should submit contour sheet of the area as the contour marking on the topography plan shows a deep depression i.e. may be drain or canal, but actually at site, there is no such situation. The PP should clarify.
2. The PP should submit details of incremental pollution load and impact on Air Quality from vehicular traffic and DG Sets alongwith mitigation measures.
3. The PP should submit detailed design calculations of STP alongwith dimension of each component and also submit unit wise reduction of BOD for STP.
4. The PP should submit site plan for disposal of Municipal Solid Waste.
5. The PP should submit an undertaking for complying the HAREDA norms.
6. The PP should submit the detail Rain Water Harvesting proposal along with design as per HUDA norms and as approved by Central Ground Water Authority (CGWA) for zero runoff discharge.
7. The PP should submit detailed design and dimensions of recharge pit and de-silting chamber along with rain water harvesting maintenance plan.
8. The PP should submit revised fresh water requirement as per MoEF Norms and water balance diagram.
9. The PP should submit conceptual plans of all floors including section plan explaining the scheme and traffic movement and also submit the details of Green Area, Paved Area, Roads and covered area alongwith percentage.
10. The CSR is not specified properly. It should be specified.
11. The PP should submit landscape plan (Green area, Avenue Plantation, Organised green) indicating minimum area of 25% of the project area. Following details of green belt should be given:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and

- (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.

The observations of 148th meeting were conveyed to the project proponent vide letter No. 1787 dated 01.03.2017. The project proponent submitted the reply on 14.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 07.04.2017.

After details discussions, the following shortcomings were observed:

1. The PP should submit details of incremental pollution load and impact on Air Quality from vehicular traffic and DG Sets alongwith mitigation measures.
2. The PP should submit detailed design calculations of STP alongwith dimension of each component and also submit unit wise reduction of BOD for STP.
3. The PP should submit site plan for disposal of Municipal Solid Waste.

The project proponent had undertaken to submit compliance of above point within 5 days and requested for considering their case for appraisal in the next meeting of the SEAC to be held on 26.04.2017. It was unanimously decided by the Committee that in case the PP submits the reply on the above mentioned observations within 5 days, this case will be considered in the next meeting to be held on 26.04.2017. It was also made clear to the Project Proponent that no separate letter will be issued for attending the meeting of the SEAC to be held on 26.04.2017.

150.15 Environment Clearance for Draft Mining Plan & Progressive Mine Closure Plan for Pichopa Kalan Plot No. 3 Stone Mine along with Associated Minor Minerals (Minor Mineral) for Bhiwani, Haryana by M/s Jai Dada Dohla Stone Mines.

Project Proponent : Sh. Bhupinder Malik
Consultant : Vardan Enviro Solutions Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 11.05.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 134th meeting of the SEAC held on 31.05.2016 and conveyed to the project proponent vide letter No. 1157 dated 10.06.2016

The PP submitted the EIA/EMP on 14.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 07.04.2017.

During presentation, the Committee was informed that is a proposed Mining of stone [minor mineral] at Pichopa kalan-3 over an area of 11.00 Ha. in Tehsil- Dadri, District- Bhiwani, haryana, having production capacity 21,00,000 Lakhs TPA.)

The mine lease area 11.00 Ha. lies in Village- Pichopa kalan, Tehsil- Dadri, Distt- Bhiwani (Haryana). The land use of the lease area is Govt waste land. No forest land is involved. The LOI of mining lease was granted to M/s Jai Dada Dohla Stone Mines by Mines & Geology Department, Haryana vide memo no. DMG/HY/ML/Pichopa Kalan Plot-3/2016/2018 dated 11.04.2016. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/M. P/Pichopa Kalan Plot-3/2016/9045 dated 21.12.2016.

The Latitudes and Longitudes of-

SN	Latitude	Longitude
A	N 28° 32' 39.2"	E76° 05' 33"
B	N 28° 32' 34.6"	E76° 05' 30.7"
C	N 28° 32' 35.2"	E76° 05' 33.3"
D	N 28° 32' 30.9"	E76° 05' 34.7"
E	N 28° 32' 29"	E76° 05' 32.5"
F	N 28° 32' 29.3"	E76° 05' 24"

G	N 28° 32' 22.5"	E76° 05' 23.4"
H	N 28° 32' 22.5"	E76° 05' 38.7"
I	N 28° 32' 38.9"	E76° 05' 40.3"

Survey of India toposheet (OSM) numbers H43W2, H43V14, H43W3. The Project is located in Seismic zone- III. As per the notification from Ministry of Environment & Forest, New Delhi dated 14.09.2006 and amendment MoEF&CC notification dated 15.01.2016, the project falls under B1 category as the proposed project activity falls under Category “B1”, 1(a), as there are other mining areas (Pichopa kalan-2) exists within 500m radius of this mining lease area and total area is more than 25 hectares but less then 50 hectares..

Method of mining is open cast mechanized method. The total water requirement is 20.00 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 62 m bgl; no ground water interception during the mining operations is envisaged as ground water table is 65 m bgl. Hence, the ground water table will not be intersected by mining operation.

The cost of the project is Rs. 6.25 Crores; for ESR Rs. 10.00 Lakhs/annum will be allocated and cost for Environmental Protection is Rs. 20.00 Lakhs. Budget for Occupational Health and Safety is Rs. 10.00 Lakhs. The project proponent will deposit 10% of the annual contract money *i.e.* Rs. 1,54,55,000 per annum in the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee unanimously decided to appraise the case under B1 category project on the basis of Ministry of Environment, Government of India, Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A SPECIFIC CONDITIONS:

[1] This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production (MT)
First	296	19,00,000
Second	284	20,00,000
Third	278	21,00,000
Fourth	266	21,00,000
Fifth	254	21,00,000

- [2]** The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.
- [3]** The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [4]** The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 2 meter above the ground water table.
- [5]** Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.
- [6]** The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [7]** The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.
- [8]** The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9]** The benches height and slope shall be maintained as per approved mining plan.

- [10]** Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12]** Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.
- [13]** The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14]** Drills shall either be operated with dust extractors or equipped with water injection system.
- [15]** The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16]** Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.
- [17]** Garland drains; septic tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also be provided and Adequate pits shall be constructed at the corners of the garland drains and de-silted.
- [18]** Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- [19]** Green belt should be developed as per NGT orders. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/ Agriculture Department.
- [20]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
- [21]** The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- [22]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [23]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
- [24]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [25]** Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.
- [26]** The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
- [27]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved by the Chief Wildlife Warden of the State before start of mining operation. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
- [28]** As envisaged, the Project Proponent shall invest at least an amount of Rs.20.00 Lakhs/annum implementing various environmental protection measures including recurring expenses per year.

- [29]** A sum of Rs. 10.00 Lakhs/annum shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
- [30]** Budgetary provision of Rs. 8.00 Lakhs/annum earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
- [31]** A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
- [32]** The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
- [33]** The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- [34]** The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
- [35]** The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36]** The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.
- [37]** The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i]** Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii]** Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii]** Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [iv]** Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
- [v]** Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
- [vi]** Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vii]** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [viii]** The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [ix]** 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [x]** The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
- [xi]** Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- [xii]** The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.

- [xiii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xiv] All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xv] That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. 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 National Green Tribunal Act, 2010.
- [xvi] Any area which have been banned by any authority/courts shall not be used for mining activity.
- [xvii] The PP should take permission from the wildlife department before starting the mining.

150.16 Environment Clearance for Draft Mining Plan & Progressive Mine Closure Plan for Pichopa Kalan Plot No. 2 Stone Mine along with Associated Minor Minerals (Minor Mineral) for District Bhiwani, Haryana by M/s Pionerr Partners

Project Proponent : Sh. Bhupinder Malik
Consultant : Vardan Enviro Solutions Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 11.05.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 134th meeting of the SEAC held on 31.05.2016 and conveyed to the project proponent vide letter No. 1158 dated 10.06.2016

The PP submitted the EIA/EMP on 14.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 07.04.2017.

During presentation, the Committee was informed that is a proposed Mining of stone [minor mineral] at Pichopa kalan-2 over an area of 22.40 Ha. in Tehsil- Dadri, District- Bhiwani, haryana, having production capacity 33,50,000 Lakhs TPA.

The mine lease area 22.40 Ha. lies in Village- Pichopa kalan, Tehsil- Dadri, Distt- Bhiwani (Haryana). The land use of the lease area is Govt waste land. No forest land is involved. The LOI of mining lease was granted to M/s Pioneer Partners by Mines & Geology Department, Haryana vide memo no. DMG/HY/ML/Pichopa Kalan-2/2016/2016 dated 11.04.2016. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/Hy/M. P/Pichopa Kalan Plot-2/2016/9003 dated 19.12.2016.

The Latitudes and Longitudes of-

SN	Latitude	Longitude
A	N 28° 32' 16.4''	E 76° 05' 30''
B	N 28° 31' 57.7''	E 76° 05' 30''
C	N 28° 31' 57.7''	E 76° 05' 25.5''
D	N 28° 31' 50.5''	E 76° 05' 24.7''
E	N 28° 31' 49.3''	E 76° 05' 23.7''
F	N 28° 31' 47.9''	E 76° 05' 23.7''
G	N 28° 31' 46.4''	E 76° 05' 26''
H	N 28° 31' 44.3''	E 76° 05' 25.3''
I	N 28° 31' 43.9''	E 76° 05' 35.3''
J	N 28° 32' 15.6''	E 76° 05' 38''

Survey of India toposheet (OSM) numbers H43W2, H43V14, H43W3. The Project is located in Seismic zone- III. As per the notification from Ministry of Environment & Forest, New Delhi dated 14.09.2006 and amendment MoEF&CC notification dated 15.01.2016, the project falls under B1 category as the proposed project activity falls under Category “B1”, 1(a), as there are other mining areas (Pichopa kalan-3) exists within 500m radius of this mining lease area and total area is more than 25 hectares but less than 50 hectares.

Method of mining is open cast mechanized method. The total water requirement is 24.00 KLD including water demand for domestic purpose, dust suppression and plantation development which shall be met by hired tanker. The working is proposed only upto 62 m bgl; no ground water interception during the mining operations is envisaged as ground water table is 65 m bgl. Hence, the ground water table will not be intersected by mining operation.

The cost of the project is Rs. 9.50 Crores; for ESR Rs. 13.50 Lakhs/annum will be allocated and cost for Environmental Protection is Rs. 24.00 Lakhs. Budget for Occupational Health and Safety is Rs. 10.00 Lakhs. The project proponent will deposit 10% of the annual contract money *i.e.* Rs. 1,64,65,000 per annum in the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee unanimously decided to appraise the case under B1 category project on the basis of Ministry of Environment, Government of India, Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A SPECIFIC CONDITIONS:

- [1]** This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production (MT)
First	290	30,00,000
Second	281	32,00,000
Third	272	33,50,000
Fourth	263	33,50,000
Fifth	248	33,50,000

- [2]** The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.
- [3]** The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [4]** The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 2 meter above the ground water table.
- [5]** Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.
- [6]** The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [7]** The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.
- [8]** The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9]** The benches height and slope shall be maintained as per approved mining plan.
- [10]** Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12]** Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.

- [13]** The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14]** Drills shall either be operated with dust extractors or equipped with water injection system.
- [15]** The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16]** Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.
- [17]** Garland drains; seeping tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also be provided and Adequate pits shall be constructed at the corners of the garland drains and de-silted.
- [18]** Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- [19]** Green belt should be developed as per NGT orders. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/ Agriculture Department.
- [20]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
- [21]** The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- [22]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [23]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
- [24]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [25]** Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.
- [26]** The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
- [27]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved by the Chief Wildlife Warden of the State before start of mining operation. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
- [28]** As envisaged, the Project Proponent shall invest at least an amount of Rs.24.00 Lakhs/annum implementing various environmental protection measures including recurring expenses per year.
- [29]** A sum of Rs. 13.50 Lakhs/annum shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such

activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.

- [30]** Budgetary provision of Rs. 10.00 Lakhs/annum earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
- [31]** A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
- [32]** The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
- [33]** The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- [34]** The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
- [35]** The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36]** The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.
- [37]** The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i]** Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii]** Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii]** Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [iv]** Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
- [v]** Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
- [vi]** Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vii]** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [viii]** The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [ix]** 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [x]** The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
- [xi]** Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- [xii]** The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Honb'le Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
- [xiii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region

and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.

[xiv] All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.

[xv] That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. 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 National Green Tribunal Act, 2010.

[xvi] Any area which have been banned by any authority/courts shall not be used for mining activity.

[xvii] The PP should take permission from the wildlife department before starting the mining.

150.17 Environment Clearance for proposed "Stone Along with Associated Minor Mineral" Mines of "Kalyana Plot No. 2" under Category B 1, Tehsil-Dadri, District-Bhiwani, Haryana having area of 29.50 Ha. by M/s SBIPL Projects Ltd.

Project Proponent : Sh. Bhupinder Malik

Consultant : Vardan Enviro Solutions Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 11.05.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 134th meeting of the SEAC held on 31.05.2016 and conveyed to the project proponent vide letter No. 1156 dated 10.06.2016

The PP submitted the EIA/EMP on 14.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 07.04.2017.

During presentation, the Committee was informed that is a proposed Mining of Stone along with associated Minor Mineral at Kalyana Plot-2 over an area of 29.50 Ha. at village Kalyana Tehsil- Dadri, Distt- Bhiwani, Haryana having production capacity 56,00,000 TPA.

The mine lease area 29.50 Ha. lies in Village- Kalyana, Tehsil- Dadri, Distt- Bhiwani (Haryana). The land use of the lease area is Govt. waste Land (Gair Mumkin Pahar). No forest land is involved. The LOI of mining lease was granted to M/s SBIPL Projects Ltd. by Mines & Geology Department, Haryana vide memo no. DMG/HY/ML/Kalyana-2/2016/2010 dated 11/04/2016. The Mining Plan is approved by Director General, Mines and Geology Department, Govt. of Haryana; vide letter no. DMG/HY/MP/Kalyana Plot 2/2016 dated 2.11.2016.

The Latitudes and Longitudes of-

Pillars	Latitude	Longitude
A	28°34'2.5"	76°11'24.9"
B	28°34'10.1"	76°11'33.2"
C	28°34'12.94"	76°11'31.06"
D	28°34'12.94"	76°12'0.1"
E	28°34'4.62"	76°12'5.73"
F	28°34'3.89"	76°12'3.89"
G	28°34'2.5"	76°12'2.5"

Survey of India toposheet (OSM) numbers H43W2, H43W3, H43W6 and H43W7. The Project is located in Seismic zone- III. As per the notification from Ministry of Environment & Forest, New Delhi dated 14.09.2006 and amendment MoEF&CC notification dated 15.01.2016, the project falls under B1 category.

Method of mining is open cast semi-mechanized. The total water requirement is 32.00 KLD including water demand for domestic purpose, dust suppression and plantation development which shall

be met by hired tanker. The working is proposed only upto 32 m bgl (from the ground level); no ground water interception during the mining operations is envisaged as ground water table is 65 m bgl. Hence, the ground water table will not be intersected by mining operation.

The cost of the project is Rs. 10.0 Crores; for ESR Rs. 25.00 Lakhs/annum will be allocated and cost for Environmental Protection is Rs. 25.70 Lakhs. Budget for Occupational Health and Safety is Rs. 15.00 Lakhs. The project proponent will deposit 10% of the annual contract money i.e. Rs. 3.98 Crores per annum in the Mines and Minerals Development, Restoration and Rehabilitation Fund.

The Committee unanimously decided to appraise the case under B2 category project on the basis of Ministry of Environment, Government of India, Office Memorandum dated 24.12.2013, and recommended for grant of Environmental Clearance to SEIAA with the following conditions:

A SPECIFIC CONDITIONS:

- [1]** This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production (MT)
I	325 m RL	50,00,000
II	285 m RL	55,00,000
III	255 m RL	56,00,000
IV	225 m RL	56,00,000
V	205 m RL	56,00,000

- [2]** The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.
- [3]** The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [4]** The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 2 meter above the ground water table.
- [5]** Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.
- [6]** The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [7]** The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.
- [8]** The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9]** The benches height and slope shall be maintained as per approved mining plan.
- [10]** Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11]** Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12]** Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.
- [13]** The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14]** Drills shall either be operated with dust extractors or equipped with water injection system.
- [15]** The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16]** Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.

- [17]** Garland drains; septic tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also be provided and Adequate pits shall be constructed at the corners of the garland drains and de-silted.
- [18]** Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- [19]** Green belt should be developed as per NGT orders. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/ Agriculture Department.
- [20]** Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
- [21]** The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- [22]** Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [23]** Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
- [24]** Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [25]** Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.
- [26]** The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
- [27]** The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and got approved by the Chief Wildlife Warden of the State before start of mining operation. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
- [28]** As envisaged, the Project Proponent shall invest at least an amount of Rs. 25.70 Lakhs/yr implementing various environmental protection measures including recurring expenses per year.
- [29]** A sum of Rs. 25.00 Lakhs/ Yr shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
- [30]** Budgetary provision of Rs. 15.00 Lakhs per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
- [31]** A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
- [32]** The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
- [33]** The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.

- [34]** The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
- [35]** The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36]** The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.
- [37]** The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i]** Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii]** Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii]** Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [iv]** Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
- [v]** Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
- [vi]** Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
- [vii]** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [viii]** The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [ix]** 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 e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [x]** The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
- [xi]** Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- [xii]** The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Honb'le Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
- [xiii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xiv]** All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xv]** That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. 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 National Green Tribunal Act, 2010.
- [xvi]** Any area which have been banned by any authority/courts shall not be used for mining activity.
- [xvii]** The PP should take permission from the wildlife department before starting the mining.

150.18 Environment Clearance for construction of Affordable Group Housing Located at Village – Ullahawas, Sector-62, Gurgaon- Manesar Urban Complex, Haryana by M/s Pivotal Infrastructure Pvt. Ltd..

Project Proponent : Sh. Suresh Kumar

Consultant : Eko Pro Engineers Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 15.03.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for appraisal in the 150th meeting of the SEAC held on 07.04.2017.

After detailed discussions, the following observations were observed:

1. The PP should submit the assurance from HUDA for supply of water during Construction and Operation Phase with detailed clarification regarding availability of water in the area.
2. The PP should submit an affidavit that they will obtain permission from HUDA regarding water assurance before offer of possession.
3. The PP should clarify the location of nearest railway station with respect to his project location .
4. The PP should submit the detail site specific Rain Water Harvesting proposal along with detailed design and dimensions of recharge pit and de-silting chamber along with rain water harvesting maintenance plan.
5. The PP should submit detail water conservation plan.
6. The PP should submit revised fresh water requirement and water balance diagram.
7. The PP should taken permission from HUDA for discharging the treated water in the public sewer system.
8. The PP should submit contour sheet of the area alongwith demarcation of the project on the contour sheet alongwith levels of nalah as shown on the site plan.
9. The PP should submit parking plan.
10. The PP should submit water conservation plan.
11. The PP should submit detailed design calculations of STP alongwith dimension of each component and also submit unit wise reduction of BOD for STP.
12. The PP should submit landscape plan (Green area, Avenue Plantation, Organised green). Following details of green belt should be given:
 - (a) Width, length and area to be covered under the green belt;
 - (b) Number of rows of trees to be planted; and
 - (c) Tree species required to be planted and spacing to be maintained between them depending on the local climate and site conditions.

The PP is advised to submit the required information as detailed above within 30 days and it was made clear to the PP that his project will be considered as received only after the receipt of complete information. In case of non-receipt of information in time, the case shall be recommended for rejection/ filing.

150.19 Environment Clearance for proposed Modernization with process integration of existing herbal extracts and their purified derivatives for manufacturing of herbal extracts and active pharmaceuticals ingredients (capacity 320 kg/day)at village Kaili, Tehsil-Ballabgarh, Distt-Faridabad, Haryana by M/s Alchem International Pvt. Ltd..

Project Proponent : Sh. Sunil Malik

Consultant : ENKAY Enviro Solutions Pvt. Ltd..

The project was submitted to the SEIAA, Haryana on 15.03.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for approval of Terms of Reference in the 150th meeting of the SEAC held on 07.04.2017.

The project proponent presented the case for terms of reference. After detailed deliberations, it was decided that the project proponent will prepare the EIA by using Model Terms of Reference of MoEF & CC .

The above decision of the Committee may be sent to SEIAA for approval and sending it to the project proponent.

150.20 Environment Clearance for Group Housing Colony Project at Sector-82A, Gurgaon, Haryana by M/s Vatika Ltd.

Project Proponent : Sh. Virender Dhar

Consultant : Vardan EnviroNet Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 27.12.2016. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

Thereafter, the case was taken up for appraisal in the 147th meeting of the SEAC held on 31.01.2017.

The Project Proponent requested for adjournment and the same was discussed in the meeting. The Committee acceded to the request and decided to list the project in the 148th meeting of the SEAC to be held on 14.02.2017.

Thereafter, the case was taken up in the 148th meeting of the SEAC held on 14.02.2017.

After details discussions, the following shortcomings were observed:

1. The PP should submit the copy of NOC under Aravali Notification, 1992 from District Collector, Gurgaon.

The observations of 148th meeting were conveyed to the PP vide letter No. 1793 dated 01.03.2017. The PP submitted the reply to the observations vide letter dated 15.03.2017. Thereafter, the case was taken up in the 150th meeting of the SEAC held on 07.04.2017.

During presentation, the Committee was informed that it is a proposed Group Housing Colony at Sector-82A, Gurgaon, Haryana. The estimated cost of the project is Rs. 121 Crores. Total Plot area is 11.218 Acres (45397.5633 Sq. Meters) and net plot area is 11.218 Acres (45397.5633 Sq. Meters). Total built up area will be approximately 43862.113 Sq. Meters. Basement area of 11004.353 Sq. Meters has been proposed. The project will comprise of 3 Towers (1 High rise tower + 2 Mid rise tower), 2 basements + GF + max 39 Floors, 169 main units, 122 EWS units, Convenient shopping area. The maximum height of the building is approx. 136.5 meters. It was also informed that the green area development has been kept as 32.32 % (i.e. 14678 Sq. Meter approximately) of the total plot area. 9754 Sq. Meters) of the total plot area would be earmarked for plantation in the form of shelter belt around the periphery of the project area and in the form of avenue line on either side of the roads. 4924 Sq. Meters) of the total plot area under herbs/shrubs/climbers/lawns, parks. The total water requirement for the project will be 296 KLD (i.e. 136 KLD of fresh water & 160 KLD of recycled treated water). The waste water generation will be 178 KLD which will be treated upto tertiary level in STP having total capacity of 220 KLD. The STP treated water will be used for flushing, cooling, horticulture and other misc. purposes.

The Air quality data shows exceeding baseline in respect of PM₁₀ and PM_{2.5} parameters which ranges approximately from 115 µg/m³ and 67.93 µg/m³ respectively. Incremental air pollution in respect of PM₁₀ is 0.0108 µg/m³. PP has submitted special mitigative measures for controlling air pollution for construction phase and operation phase which includes 5 meters high barricade wall at the periphery, broad leafy trees would be planted as green belt, trees with heavy foliage would be planted on both side of carriage way, ultra low sulphur Diesel (5 ppm) would be used as fuel in DG Sets, Stack height of DG set would be as per CPCB norms. These measures would minimize the impact on air environment.

It was informed by the project proponent that the power requirement for the project will be 4045.50 KW. Parking requirement for the project as per Haryana Bye Laws is 338 ECS but the parking proposed to be provided in the project is 407 ECS. There will be total solid waste generation of 786 Kg/day. Out of this the bio-degradable waste 471 Kg/day will be composted in 2 Nos. of Organic Waste Converter provided within the project premises and the manure produced will be used for horticulture and green development. The calculations of the same are in accordance with the prescribed norms. It was pointed out that the required water for the project will be provided through HUDA.

Detailed discussions were held about Solid Waste Management, rain water harvesting, fire fighting plan, noise and vibration plan, health and welfare of the laborers, electrical hazard plan, environment monitoring plan, energy conservation measures and environment management plan. There will be 11 numbers of rain water harvesting structures as approved by the Central Ground Water Authority (CGWA). The mitigation measures were found in order by the Committee.

After deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

PART A-
SPECIFIC CONDITIONS:-

Construction Phase:-

- [1]** “Consent for Establish” shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2]** A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3]** Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4]** All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
- [5]** The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [6]** 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7]** The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [8]** The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [9]** Ambient noise levels shall conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/MoEF.
- [10]** Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11]** Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.

- [12]** Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13]** In view of the severe constraints in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.
- [14]** Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [15]** Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [16]** The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [17]** Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.
- [18]** The Project Proponent as stated in the proposal shall construct total 10 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.
- [19]** The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [20]** The Project Proponent shall obtain assurance from the DHBVN for supply of power before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [21]** Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.
- [22]** The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.
- [23]** The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [24]** Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [25]** The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [26]** The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [27]** The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.
- [28]** The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [29]** The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [30]** The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.
- [31]** The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.
- [32]** The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge

arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.

- [33]** The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.
- [34]** The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [35]** The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [36]** The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.
- [37]** The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [38]** The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [39]** The project proponent shall maintain the distance between STP and water supply line.
- [40]** The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [41]** The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

- [a]** "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b]** The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.
- [c]** Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.
- [d]** For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
- [e]** Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.
- [f]** Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Affordable Group Housing Project.
- [g]** The project proponent as stated in the proposal should maintain at least 20.10% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
- [h]** The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
- [i]** Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain

Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.

- [j]** The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [k]** 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 & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
- [l]** Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
- [m]** The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.
- [n]** The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2016 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- [o]** The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
- [p]** The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.
- [q]** The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.
- [r]** Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s]** Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.
- [t]** Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [u]** Water supply shall be metered among different users and different utilities.
- [v]** The project proponent shall ensure that the of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.
- [w]** All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x]** The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [y]** The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
- [z]** The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.
- [aa]** The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.

- [ab]** The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.
- [ac]** The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.
- [ad]** The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

- [i]** The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [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 e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii]** STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv]** The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.
- [v]** The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi]** All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii]** The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii]** Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
- [ix]** Any appeal against the 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.
- [x]** The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi]** The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
- [xii]** The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.
- [xiii]** The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv]** The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv]** The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi]** Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the

licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.

- [xvii] 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii] The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xix] The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx] Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

150.21 Environment Clearance for the 25 MLD Common Effluent Treatment Plant (CETP) for Phase III and IV along with up gradation from 15 MLD to 30 MLD CETP for phase I and II located at Industrial Model Township, Manesar, Haryana by M/s Haryana State Industrial & Infrastructure Development Corporation Ltd.

Project Proponent : Sh. Rampal Singh, GM

Consultant : En-Vision

The project was submitted to the SEIAA, Haryana on 01.10.2016 through online portal. The SEIAA forwarded the case to SEAC on 15.03.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for approval of Terms of Reference in the 150th meeting of the SEAC held on 07.04.2017.

The project proponent presented the case for terms of reference. After detailed deliberations, it was decided that the project proponent will prepare the EIA by using Model Terms of Reference of MoEF & CC.

The project proponent further stated that they are already generating data and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from December, 2016 onwards and one month additional data for the month of April, 2017.

The above decision of the Committee may be sent to SEIAA for approval and sending it to the project proponent.

The meeting ended with the vote of thanks to the Chair.

Annexure-‘A’

List of Participants

- | | | |
|----|--|-----------|
| 1. | Sh. Raj Kumar Sapra, IFS (Retd.)
House No. 601, Angel Apartment
Society No. 12, Sector-24, Panchkula | Member |
| 2. | Sh. A.K. Bhatia,
House No. 679,
Sector-8, Panchkula, Haryana | Member |
| 3. | Sh. Hitender Singh, Architect,
Department of Architecture, Haryana | Member |
| 4. | Sh. S. Narayanan, IFS
Member Secretary,
Haryana State Pollution Control Board,
Panchkula | Secretary |

- the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii] Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
 - [ix] Any appeal against the 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.
 - [x] The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
 - [xi] The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
 - [xii] The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.
 - [xiii] The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
 - [xiv] The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
 - [xv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
 - [xvi] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
 - [xvii] 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - [xviii] The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
 - [xix] The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
 - [xx] Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

157.02 Environmental Clearance for construction of Group Housing Project "Raheja Vanya" located at Village - Gopalpur and Dhankot, Sector-99A, Gurgaon Manesar urban Complex, Haryana by M/s Raheja Developers Ltd.

Project Proponent : Mr. Ashish Handa

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project was submitted to the SEIAA, Haryana on 08.11.2015. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 145th meeting of the SEAC held on 29.11.2016 and conveyed to the project proponent vide letter No. 1679 dated 08.12.2016. The PP submitted the EIA

Report on 15.05.2017. Thereafter, the case was taken up in the 153rd meeting of the SEAC held on 07.06.2017.

1. The PP should submit the contour plan, master plan, car parking plan, traffic circulation plan, elevation section plan, perspective view plan and area demarcation plan as per the latest definition given by MoEF-GOI along with the latest photographs and development in 500 meters of the project site.
2. The PP should submit an affidavit by a Director of the Company giving latest status of construction and also submit an undertaking that they will use ultra low sulphur fuel in DG Sets.
3. The PP should submit an affidavit that they will obtain permission from HUDA regarding water assurance before offer of possession.
4. The PP will submit detailed dual plumbing system for recycling the treated water.
5. The PP should submit undertaking for hydraulic ladder.
6. The PP should submit the hydraulic design of STP with dimension of each component.
7. The PP is required to submit the energy (power) balance plan qualitatively and quantitatively taking into account the various aspects like total energy required sources of energy inputs and outputs. Account for total energy saving incorporated to solar passive techniques in building design, enhanced building material specifications, use of designing energy efficient lighting techniques to minimized the load on conventional systems (heating, cooling, ventilation and lighting) use of renewal energy sources like solar water heaters and photovoltaic systems, by adopting various lighting/ power control systems and by using advance electrical system like power transformers, energy efficient motors and diesel generators, efficient effluent water treatment systems referred in NBC 2005 and MOEF GOI guidelines.
8. The PP should explain with line diagrams of sewer, drainage system (septic tank, effluent treatment plant) and ducting system like natural or forced draft to be provided to avoid the accumulation of the hazardous sewer gases and underground explosion in the building construction phase and operation phase.
9. The PP should explain the detailed orientation plan of the site/building pertaining to wind rose and solar orientation to achieve better natural light and ventilation in terms of air changes per hour in all parts of the occupancy, kitchen, toilets, basement, DG set rooms and staircases etc.
10. The PP should submit ground water site specific hydrological details along with recharge capacity of recharge pit base on field test and also submit rain water harvesting maintenance plan.
11. The PP should submit solar power generation as per MoEF & CC guidelines.
12. The PP should submit undertaking for solar power generation as per HAREDA guideline.
13. The PP should provide helipad and submit structure stability certificate from reputed institute.
14. The PP should submit detailed Solid Water Management plan.
15. The PP should submit the details of incremental air pollution.
16. The PP should submit the details of CSR Plan.
17. The PP should submit the details of water bodies.

The observations of 153rd meeting were conveyed to the PP vide letter No. 2045 dated 16.06.2017. The PP submitted the reply vide letter dated 21.07.2017. Thereafter, the case was taken up in the 157th meeting held on 30.08.2017.

During presentation, the Committee was informed that it is a proposed construction of Group Housing Project "Raheja Vanya" located at Village - Gopalpur and Dhankot, Sector-99A, Gurgaon Manesar Urban Complex, District Gurgaon, Haryana. The estimated cost of the project is Rs. 300 Crores. Total Plot area is 50,530.75 m². Total built up area will be 2,17,889.6425 m². The maximum height of the building is approx. 149.8 meters. It was also asked that the green area development has been kept minimum of 30.0% of the project area. The green area measures 15,159.225m² (30.0%) of the project area. 1401.32 m² area would be earmarked for avenue plantation along the roads. 9248.85 m² area would be earmarked for green lawns in the project area. 1118.79 Sq. Meters area would be earmarked under periphery plantation. 3390.27 Sq. Meters area would be earmarked under green belt. The total water requirement for the project will be 814 KLD (i.e. 464 KLD of fresh water & 350 KLD of recycled treated water). The waste water generation will be 607.147 KLD which will be treated upto tertiary level in STP having total capacity of 700 KLD. The STP treated water will be used for flushing, horticulture and other misc. purposes.

The Air quality data shows exceeding baseline in respect of PM10 and PM2.5 parameters which ranges approximately from 176.7-197.4 and 94.2-112.8 respectively. Incremental air pollution in respect of PM is 0.0106 µg/s. PP has submitted special mitigative measures for controlling air pollution for construction phase and operation phase which includes 5 meters high barricade wall at the periphery, broad leafy trees would be planted as green belt, trees with heavy foliage would be planted on both side of carriage way, ultra low sulphur Diesel (5 ppm) would be used as fuel in DG Sets, Stack height of DG set would be as per CPCB norms. These measures would minimize the impact on air environment.

It was informed by the project proponent that the power requirement for the project will be 4,312 kVA and for power back up they will install 3 Nos. of DG Sets of 500 kVA capacity. Parking requirement for the project as per Haryana Bye Laws is 1298 ECS but the parking proposed to be provided in the project is 1310 ECS. There will be total solid waste generation of 2676 Kg/day. Out of this the bio-degradable waste will be composted in the project premises and the manure produced will be used for horticulture and green development. The calculations of the same are in accordance with the prescribed norms. It was pointed out that the required water for the project will be provided through HUDA Municipal supply.

Detailed discussions were held about Rain water harvesting, fire fighting plan, noise and vibration plan, health and welfare of the laborers, electrical hazard plan, environment monitoring plan, energy conservation measures and environment management plan. There will be 12 rain water harvesting structures as approved by the Central Ground Water Authority (CGWA). The mitigation measures were found in order by the Committee..

After deliberations the Committee rated this project with **“Gold Rating”** and was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

PART A-
SPECIFIC CONDITIONS:-

Construction Phase:-

- [1]** “Consent for Establish” shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2]** A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3]** Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4]** All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
- [5]** The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [6]** 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 and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7]** The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.

- [8]** The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [9]** Ambient noise levels shall conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/MoEF.
- [10]** Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11]** Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [12]** Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13]** In view of the severe constraints in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.
- [14]** Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [15]** Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [16]** The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [17]** Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.
- [18]** The Project Proponent as stated in the proposal shall construct total 10 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.
- [19]** The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [20]** The Project Proponent shall obtain assurance from the DHBVN for supply of power before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [21]** Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.
- [22]** The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.
- [23]** The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [24]** Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [25]** The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [26]** The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [27]** The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.

- [28]** The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [29]** The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [30]** The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.
- [31]** The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.
- [32]** The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.
- [33]** The project proponent shall provide one refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable space and it should not be sold out/commercialized.
- [34]** The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [35]** The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [36]** The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.
- [37]** The project proponent shall submit the copy of fire safety plan duly approved by Fire Department before the start of construction.
- [38]** The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [39]** The project proponent shall maintain the distance between STP and water supply line.
- [40]** The project proponent shall ensure that the stack height is 6 meter more than the highest tower.
- [41]** The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Operational Phase:

- [a]** "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b]** The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or as per the initial occupancy as the case may be.
- [c]** Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.
- [d]** For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
- [e]** Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the open as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.
- [f]** Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Affordable Group Housing Project.
- [g]** The project proponent as stated in the proposal should maintain at least 20.10% as green cover area for tree plantation especially all around the periphery of the project and on the road sides

- preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
- [h]** The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
- [i]** Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
- [j]** The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [k]** 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 & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
- [l]** Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
- [m]** The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide Halon free fire suppression system.
- [n]** The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2016 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- [o]** The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
- [p]** The traffic plan and the parking plan proposed by the Project Proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.
- [q]** The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.
- [r]** Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s]** Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler.
- [t]** Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [u]** Water supply shall be metered among different users and different utilities.
- [v]** The project proponent shall ensure that the of DG sets is more than the highest tower and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.
- [w]** All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x]** The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance (CoP), as well as optimal Integrated Point Load Value and

- minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [y] The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
 - [z] The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.
 - [aa] The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
 - [ab] The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.
 - [ac] The project proponent shall ensure drinking/ domestic water supply as per prescribed standards till treated water supply is made available by HUDA.
 - [ad] The project proponent shall install solar panel for energy conservation.

PART-B. GENERAL CONDITIONS:

- [i] The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [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 e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii] STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.
- [v] The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii] Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.
- [ix] Any appeal against the 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.
- [x] The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi] The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MOEF GOI under rules prescribed for Environment Audit.
- [xii] The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.

- [xiii] The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv] The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xvi] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvii] 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_{2.5}, PM₁₀, SO_x NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xviii] The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xix] The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.
- [xx] Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification Dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.

157.03 Environment Clearance for the 25 MLD Common Effluent Treatment Plant (CETP) for Phase III and IV along with up gradation from 15 MLD to 30 MLD CETP for phase I and II located at Industrial Model Township, Manesar, Haryana by M/s Haryana State Industrial & Infrastructure Development Corporation Ltd.

The project was submitted to the SEIAA, Haryana on 01.10.2016 through online portal. The SEIAA forwarded the case to SEAC on 15.03.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. Thereafter the case was taken up for approval of Terms of Reference in the 150th meeting of the SEAC held on 07.04.2017.

The terms of reference were approved in the 150th meeting. The project proponent further stated that they are already generating data and requested to utilize the baseline data. The Committee after detailed deliberations directed to project proponent to incorporate the baseline data in the EIA Reported generated from December, 2016 onwards and one month additional data for the month of April, 2017.

The above decision of the Committee was forwarded to the SEIAA for approval and sending it to the project proponent.

The project proponent submitted the EIA/EMP vide letter dated 02.08.2017. Thereafter, the case was taken up in the 157th meeting of the SEAC held on 30.08.2017.

The Project Proponent neither attended the meeting nor circulated the documents to the Members. The Committee decided to issue 30 days notice to the PP.

Minutes of the 158th Meeting of the State Expert Appraisal Committee, constituted for considering Environmental Clearance of Projects (B category) under Government of India Notification dated 14.09.2006, held on 27th and 28th September, 2017 under the Chairmanship of Sh. G.R. Goyat, Chairman, SEAC at Panchkula

List of participants is annexed as **Annexure-A**.

At the outset the Chairman, SEAC welcomed the Members of the SEAC and advised the Secretary to give brief background of this meeting. The minutes of the 157th Meeting were discussed and approved without any further modification.

It was further informed that in this meeting 13 number projects are to be taken up for scoping, appraisal and grading as per the agenda circulated.

158.01 Environment Clearance for proposed Modernization with process integration of existing herbal extracts and their purified derivatives for manufacturing of herbal extracts and active pharmaceuticals ingredients (capacity 320 kg/day) at village Kaili, Tehsil-Ballabgarh, Distt-Faridabad, Haryana by M/s Alchem International Pvt. Ltd..

Project Proponent : Sh. Sunil Malik

Consultant : ENKAY Enviro Solutions Pvt. Ltd..

The project was submitted to the SEIAA, Haryana on 15.03.2017. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC. The Terms of Reference were approved in the 150th meeting of the SEAC held on 07.04.2017. The PP submitted the EIA/EMP vide letter dated 11.08.2017. Thereafter, the case was taken up for appraisal in the 157th meeting of the SEAC held on 31.08.2017.

After detailed discussions, the following shortcomings were observed:

1. The PP should submit the license of the products from the competent authority.
2. The PP should submit MEE design.
3. The PP should submit Hydraulic design of ETP.
4. The PP should submit scheme for fluidised bed boiler.
5. The PP should submit the details for zero liquid discharge.
6. The PP should submit the details of online analyzers.
7. The PP should provide the details of rain water harvesting plan for the project.
8. The PP should submit the contour sheet of the area alongwith levels.
9. The PP should submit one week latest data of ambient air quality.
10. The PP should submit the green belt plan.
11. The PP should provide the detail computation of water requirement and revised water balance diagram accordingly.

The observations of 157th meeting were conveyed to the PP vide letter No. 2211 dated 06.09.2017. The PP submitted the reply vide letter dated 08.09.2017. Thereafter, the case was taken up in the 158th meeting held on 27.09.2017.

During presentation, the Committee was informed that it is a proposed Modernization with process integration of existing herbal extracts and their purified derivatives for manufacturing of herbal extracts and active pharmaceuticals ingredients (capacity 320 kg/day) at village Kaili, Tehsil-Ballabgarh, Distt-Faridabad, Haryana by M/s Alchem International Pvt. Ltd..

The total area of the project is 8.9081 ha., No forestland is involved. No River passes through the project area. It has been reported that two canals (Agra Canal - 4.38 Km, E & Gurgaon Canal - 4.57 Km, NW) exist around the project and no modification/diversion in the existing natural drainage pattern at any stage has not been proposed. The targeted production capacity of the herbal extracts is 320 Kg/day.

The ground water table is ranges between 5-20m below the surface level during the post-monsoon season and 7-22m below the land surface during the pre-monsoon season. Based on the hydro-geological study, radius of influence of pumped out water is being varies from 120 m³/day to

360m³/day. No National Park/ Wildlife Sanctuary/ Biosphere Reserve/ Tiger Reserve/ Elephant Reserve etc. reported within 10 Km radius.

The process of project showing the basic raw material used and the various processes involved to produce the final output, waste generated in process.

S. No.	Product	Raw Material (Herb)	Annual Quantity of Herb used for Extraction (MT)	Quantity of Final Product (Kg/Annum)
Pure Herbal Product Manufactured in the factory				
1	10-Deacetyl Baccatin (10-DAB)	Taxus Baccata	250	150
2	Colchicine	Gloriosa Superba Seeds	50	150
3	Digoxin	Digitalis Lanata leaves	100	120
4	Pygeum Extract	Prunus Africana	30	150
5	Reserpine	Rauwolfia vomitoria	30	100
6	Nicotine	Tobacco Dust	1000	75000
7	Nicotine Polacrilex / Resinate / Dihydrate	Tobacco Dust		
8	Thiocolchicoside	Gloriosa Superba Seeds	300	2000
9	Hyoscine Butylbromide	Duboisia Leaves	300	7000
10	Enoxolone	Acetyl Glycyrrhetic acid	10	6000
11	Paclitaxel	10-Deacetyl Baccatin (10-DAB)	inhouse	100
12	Vinpocetine	Vocanga Seeds	400	4000
PRODUCTS PROPOSED UNDER COMMERCIAL PRODUCTION				
13	Atropine Sulfate	Tropine	1.2	500
14	Cimetropium Bromide	Duboisia Leaves	10	100
15	Homatropine Methylbromide	Tropine	0.2	100
16	Hyoscyamine Sulfate	Belladonna Roots	20	100
17	Methscopolamine Bromide	Duboisia Leaves	10	100

The water requirement for the proposed modernization will be 160m³/day, out of which 130m³/day is fresh water and will be obtained from the ground water and the remaining requirement of 30m³/day will be met from the recycled water. The registration of borewell (Existing – 4 Nos.) for drawl of groundwater is obtained from GGWA vide Registration No. HR/FBD/ CT-403 to 406 dated 24.11.1998. The power requirement of the project is estimated as 2500KVA which will be obtained from the HSEB.

Baseline Environmental studies were conducted during Pre-Monsoon season i.e. from March'2017 to May' 2017. Ambient air quality monitoring has been carried out at seven locations during March '2017, to May 2017 and the data submitted indicated: PM₁₀ (86.3µg/m³ to 26.0µg/m³), PM_{2.5} (46.6µg/m³ to 14.1µg/m³), SO₂ (14.4 µg/m³ to 4.0 µg/m³) and NO_x (40.8µg/m³ to 13.2 µg/m³). The results of the modeling study indicate that the maximum increment of GLC for the proposed modernization will be 1.1 µg/m³ for CO and 1.5 µg/m³ with respect to the NO_x.

Ground water quality has been monitored in seven locations in the study area and analysed. pH: 7.29 to 7.86, Total Hardness: 300mg/l to 680mg/l, Chlorides: 100 mg/l to 225.1 mg/l, Fluoride: 0.6 mg/l to 1.6 mg/l. Heavy metals are within the limits. Surface water samples were analyzed from two locations. pH: 7.93 to 8.16; DO: 2.3 mg/l to 2.5 mg/l and BOD: 72 mg/l to 86 mg/l. COD from 70 mg/l to 272 mg/l.

Noise levels are in the range of 72.0 to 42.2 dB(A) for daytime and 34.0 to 57.7 dB(A) for nighttime. The existing solid waste generated in 2015-16 is 15,66,000 Kg which is used as a fuel in boiler. The proposed waste generated during the process and their management will be as follows :-

S. No.	Hazardous waste description	Category as per HWMR Rules	Quantity generated per annum after modernization	Unit	Method of Disposal
1	Chemical sludge from ETP	35.3	2400	Kg	It will be sent to GEPIL site at Faridabad for treatment and disposal
2	Used Oils and Spent Oil	5.1 & 5.2	1000	Lit	It will be disposed through authorized handlers
3	Process residue and waste process oil	28.1	33000	Kg	It will be sent to GEPIL site at Faridabad for treatment and disposal
4	Off Specification product	28.3	200	Kg	It will be sent to GEPIL site at Faridabad for treatment and disposal
5	Expiry Drugs/ Medicines	28.4	250	Kg	It will be sent to GEPIL site at Faridabad for treatment and disposal
6	Spent solvent	28.6	96000	Ltr	Authorized Recyclers
7	Spent Carbon	28.3	240	Kg	It will be sent to GEPIL site at Faridabad for treatment and disposal
8	Empty barrels/Containers	33.1	1200	Nos	It will be sent to GEPIL site at Faridabad for treatment and disposal

It has been proposed that an area of 29,396.73 Sq.M will be developed as green belt around the project site to attenuate the noise levels and trap the dust generated due to the project development activities. Greenbelt will be developed in an area of 29,396.73 Sq.m which is about 33% of the total acquired area. A 100 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB/ MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 2,500 trees per hectare. Total no. of 1000 saplings will be planted in next five years. It has been further informed by the PP that the Consent to Operate from the Haryana State Pollution Control Board has already been obtained vide letter No. HSPCB/ Consent/ 313106017FDBBCTO3515850 dated 27.03.2017 for the existing project which is valid up to 30.09.2019.

The capital cost of the project is Rs. 140.3 Crores (after modernization) and the capital cost for Environmental Protection Measures is proposed as Rs. 339 Lacs. The annual recurring cost towards the Environmental Protection Measures is proposed as Rs. 55.5 Lacs. The detailed CSR plan has been provided in the Chapter – VII - Additional Studies in its page No. 272 to 274. The employment generation from the proposed project/ expansion is 225 worker and 175 staff.

After deliberations the Committee was of the unanimous view that this case for granting Environmental Clearance under EIA Notification dated 14.9.2006 issued by the Ministry of Environment and Forest, Government of India should be recommended to the SEIAA with the following stipulations:

Specific Conditions

- i) National Emission Standards for Organic Chemicals Manufacturing Industry issued by the ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended time to time shall be followed by the unit.
- ii) 3 TPH Thrmax boilers which is non fluidized boiler will either be converted into fluidized bed or if it remains non- fluidized than bag filter with multi- cyclone shall be installed to control particulate emissions within permissible limit. The gaseous emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- iii) In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemical/ materials, multi –cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment product, raw

materials storage area etc. shall be regularly monitored. Odour management plan shall be implemented.

- iv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- v) The company shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall be simultaneously be sent to the Regional Office MoEF, the respective Zonal Office of CPCB and the HSPCB. The Levels of PM₁₀, PM_{2.5}, Sox, Nox, HCL, VOC and Co in the ambient air and emissions from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- vi) As proposed, process organic residue and spent carbon. ETP sludge, process inorganic & evaporation salt and shall be sent to GEPI site at Faridabad for treatment and disposal.
- vii) The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from Haryana SPCB shall be obtained for disposal of solid/ hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency. Membership of TSDF for hazardous waste disposal shall be obtained.
- viii) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSCIHC) Rules, 1989 as amended in October, 1994 and January, 2000. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- ix) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms
- x) Total fresh water requirement from ground water source shall not exceed 160 KLD m³/ day and prior permission shall be obtained from the CGWA/SGWA.
- xi) Industrial effluent generation shall not exceed 80m³/day. Trade effluent shall be segregated into High COD/ TDS and Low COD/ TDS effluent streams. High COD/ TDS shall be passed through strippers followed by MEE. Low TDS effluent stream and condensate shall be treated in ETP and then sent to CETP for further treatment. Highly concentrated effluent will be sent to captive incinerator for incineration.
- xii) Process effluent/ any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passes through guard pond.
- xiii) Online monitoring system (24x7 monitoring device) for pH meter, flow meter and TOC analyzer should be installed. Efforts shall be also made to explore the possibility of recycling/ reuse of the treated effluent. The data to be made available to the respective SPCB and in the Company's website.
- xiv) 'Zero' effluent discharge shall be adopted and no effluent shall be discharged outside the premises.
- xv) Hazardous chemicals shall be stored in tanks in tanks farms, drums, carboys etc. flame arresters shall be provided to tank farm. Solvent transfer shall be by pumps.
- xvi) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per norms.
- xvii) Occupation health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xviii) As per proposed, green belt over 29396.73sqm land shall be developed within plant premises with at least 5.0 meter wide green belt on all sides along the periphery of the project area, in downwind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.

158.02 Environmental Clearance for construction of Institutional Project Located in the revenue estate of Village Dhauj, Tehsil & Distt. Faridabad by M/s AL-Falah Charitable Trust.

Project Proponent : Mr. Jawad Ahmad Siddiqui

Consultant : Grass Roots Research and Creation India Pvt. Ltd.

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 16.01.2015 as per check list approved by the SEIAA/SEAC.

The case could not be taken up in the SEAC as the term of SEIAA/SEAC was elapsed on 21.03.2015. Therefore, the case was transferred to Ministry of Environment and Forest, Government of India in the month of March, 2015. This case could not taken up by the MoEF and was again transferred to SEIAA on 31.08.2015 after the reconstitution of SEIAA/SEAC on 21.08.2015.