

Minutes of the 120<sup>th</sup> 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 05<sup>th</sup> and 06<sup>th</sup> November, 2015 under the Chairmanship of Sh. G.R. Goyat, Chairman, SEAC at Panchkula.

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

At the outset, the Chairman SEAC welcomed the Members and Secretary of the SEAC and advised the Secretary to give brief background of this meeting. The minutes of the 119<sup>th</sup> 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 circulated. In addition 01 more project was discussed in the meeting as supplementary item.

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

**120.01 Environmental Clearance for proposed Affordable Group Housing Colony project at Village Naurangpur, Sector-79, 79B, Distt Gurgaon, Haryana by M/s Revital Reality Pvt. Ltd.**

**Project Proponent : Sh. Ashok Vardan, Authorized Signatory**

**Consultant : Vardan EnviroNet Pvt. Ltd.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 12.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit an affidavit by a Director of the Company giving latest status of project. and PP should also submit an undertaking that they will use ultra low sulphur fuel in DG Sets.
2. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP.
3. The PP should resubmit MSW Bio composting plan in open area.
4. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
5. The PP should submit clearly in detail rainwater harvesting pit and de-siltation chamber drawing.
6. PP should submit revised detailed Area Statement, inclusive of total FAR & non FAR areas (basements, stilts, projection, etc.)
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 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.

**120.02 Environmental Clearance for the proposed Commercial Colony (12.3368 Acres) at Village Bajghera, Sector-114, District Gurgaon, Haryana by M/s Candeo Projects Pvt. Ltd.**

**Project Proponent : Sh. Arvinder Dhingra, Authorized Signatory**

**Consultant : Vardan EnviroNet Pvt. Ltd.**

The project was submitted to the SEIAA, Haryana on 13.11.2013. 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 98<sup>th</sup> meeting of the SEAC held on 08.01.2014.

The case was appraised by the SEAC and recommended for granting Environmental Clearance to the aforesaid project under category 8(a) of EIA Notification dated 14.09.2006 to the SEIAA on 20.01.2014.

SEIAA has returned the case to SEAC with the advice to appraise this project in the light of amendment to the Notification dated 26.02.2014 and sent its recommendations within stipulated period as prescribed in the Notification.

Thereafter, the case was taken up for approval of Terms of Reference in the 111<sup>th</sup> meeting of the SEAC held on 09.09.2014 in compliance of amended Notification issued by the MoEF on 26.02.2014.

The Terms of Reference were approved and conveyed to the project proponent vide letter No. 1632 dated 12.09.2014. The project proponent submitted the EIA report on 14.01.2015 on the basis of Terms of Reference approved by the Committee.

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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
2. PP should submit revised water balance diagram.
3. The PP should submit 500 meter radius latest available Google image.
4. The PP should submit an affidavit by a Director of the Company giving latest status of project. and PP should also submit an undertaking that they will use ultra low sulphur fuel in DG Sets.
5. 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.
6. The PP should submit MSW Bio composting plan in open area.

7. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
8. The PP should submit revised design of recharge pit and de-silting chamber.
9. PP should submit revised detailed Area Statement, inclusive of total FAR & non FAR areas (basements, stilts, projection, etc.)
10. PP should submit surface parking plan along with details of parking space provided & traffic movement pattern.
11. PP should submit contour plan, ground excavation plan showing quantity of soil excavated & its disposal .
12. 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 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.

**120.03 Environmental Clearance for construction of Commercial Colony at Village Fazilpur Jharsa, Sector-48, Gurgaon, Haryana by M/s Trivani Leather Pvt. Ltd.**

**Project Proponent : Sh. Ashwani Mittal, Authorized Signatory**

**Consultant : Earthvision Enviro Tech Pvt. Ltd.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 15.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit license from DTCP after getting its renewal.
2. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
3. PP should submit revised water balance diagram.
4. The PP should submit 500 meter radius latest available Google image.
5. The PP should submit an affidavit by a Director of the Company giving latest status of project. and PP should also submit an undertaking that they will use ultra low sulphur fuel in DG Sets.
6. The PP should submit MSW Bio composting plan in open area.
7. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
8. The PP should submit detail design with dimensions of recharge pit and de-silting chamber.
9. PP should submit revised detailed Area Statement, inclusive of total FAR & non FAR areas (basements, stilts, projection, etc.)

10. The PP should submit detailed green belt plan viz:
- Width, length and area to be covered under the green belt;
  - Number of rows of trees to be planted; and
  - 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.

**120.04 Environmental Clearance for construction of Residential Plotted Colony measuring 104.54375 acres at Village Riwazpur, Bhupani and Tikawali, Sector 88 & 89, Faridabad, Haryana by M/s Fantabulous Town Planners Pvt. Ltd.**

**Project Proponent : Sh. Sushil Kumar, CEO**

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

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 15.01.2015 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.

Thereafter the case was taken up for approval of Terms of Reference in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

The project proponent presented the case for proposed ToRs. The PP is directed to prepare the EIA by incorporating the following ToR:

**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 14<sup>th</sup> 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
- Existing 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 **For 4 different** (ii) 15-30 cm
- Sub soil permeability **depths i.e.** (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 PM<sub>10</sub>, PM<sub>2.5</sub>, oxides of nitrogen (NO<sub>x</sub>), sulphur dioxide (SO<sub>2</sub>), 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, unloading, 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 alia 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 belt, 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 NO<sub>2</sub>, SO<sub>2</sub>, CO, PM<sub>25</sub>, PM<sub>10</sub>.
16. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP alongwith hydraulic design..
17. The PP should submit MSW Bio composting plan in open area.
18. 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.
19. The PP should submit detail design with dimensions of recharge pit and de-silting chamber.
20. The Chhainsa Canal is passing through the project. As per papers submitted by the PP flow of the canal appears to have been obstructed. The PP will obtain permission from the Irrigation Department and should submit an affidavit that they will not add any pollutant in Chhainsa Canal and its natural flow should be maintained.
21. The report shall be duly signed by the Project Proponent and the Consultant on all the pages.

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 approved by the SEAC.

Project proponent further stated that they have already collected baseline data from March, 2015 to May, 2015 after the case was submitted to the SEIAA and requested to utilize the baseline data.

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 PP will submit Environment Impact Assessment Report by incorporating the above mentioned Terms of References (ToR) as approved by the committee within a time schedule in compliance of EIA Notification dated 14.09.2006 alongwith the reply of other observations issued for taking up their case for appraisal. It was also decided that their project will be considered as received only after receipt of complete information.

**120.05 Environmental Clearance for proposed group housing project "Ashiana Anmol" at Village Dhulena, Sector-33, Tehsil Sohna & District Gurgaon, Haryana by M/s Universe Heights (India) Pvt. Ltd.**

**Project Proponent : Sh. S.K. Palit, Authorized Signatory**

**Consultant : Enkay Enviro**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 15.01.2015 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 be 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

After detailed discussions, a query regarding assurance of water supply from competent authority was raised by the SEAC. The PP assured that he will submit the above mentioned document during the 120<sup>th</sup> meeting itself. The same was submitted by the PP during the meeting.

During presentation, the Committee was informed that it is group housing project "Ashiana Anmol" at Village Dhulena, Sector-33, Tehsil Sohna & District Gurgaon, Haryana. The estimated cost of the project is Rs. 258 Crores. Total Plot area is 13.33 Acres (53975 Sq. Meters) and net plot area of the project is 10.448 Acres (42281.56 Sq. Meters). Total built up area will be approximately 141090 Sq. Meters. Basement area of 32116 Sq. Meters has been proposed. The project will comprise of Thirteen Residential Blocks, One Commercial Block, Community Building, and Educational Facility. The maximum height of the building is approx. 49.65 meters. It was also informed that the green area development has been kept as 39.55% (i.e. 16724.26 Sq. Meter approximately) of the total plot area. 24.55% (10382 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 and water body. 10% (4228.16 Sq. Meters) of the total plot area under herbs/shrubs/climbers/lawns, parks and 5% (2114.08 Sq. Meters) of the total plot area for water body in saucer shape. The total water requirement for the project will be 827 KLD (i.e. 464 KLD of fresh water & 363 KLD of recycled treated water). The waste water generation will be 623 KLD which will be treated upto tertiary level in STP having total capacity of 650 KLD. The STP treated water will be used for flushing, cooling, horticulture and other misc. purposes. It was informed by the project proponent that the power requirement for the project will be 6809 KW and for power back up they will install 04 Nos. of DG Sets of 750x2, 100x2=3500KVA capacity. Parking requirement for the project as per Haryana Bye Laws is 1404 ECU but the parking proposed to be provided in the project is 1404 ECU. 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 2511 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 12 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:-**

- [i] A first aid room as proposed in the project report will be provided both during construction and operational phase of the project.
- [ii] Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the laborers is strictly prohibited. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.
- [iii] All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- [iv] Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [v] 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.
- (vi) The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [vii] 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.
- [viii] Ambient noise levels should 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 and noise level during construction phase, so as to conform to the stipulated residential standards.
- [ix] Fly ash should 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.
- [x] Ready mixed concrete must be used in building construction.
- [xi] Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [xii] Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices as referred.
- [xiii] Permission from Competent Authority for supply of water shall be obtained prior to operation of the project.
- [xiv] Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- [xv] Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [xvi] 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.
- [xvii] The PP will provide minimum one hydraulic ladder for escape of people in case of fire.
- [xviii] The PP will provide Water Bodies of size of 5% of the net project areas as stipulated in the Regional Plan of NCR.
- [xix] The PP will submit an affidavit that underground water will not be used in construction activity and they will also indicate the source of water.
- [xx] The PP shall ensure that the green area development shall be as per NGT decision.

**Operational Phase:**

- [i] The 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 STP should be installed at the remotest place in the project area.
- [ii] Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the treated water should have BOD maximum upto 10 ppm and the treated water will be used for flushing, gardening, DG set cooling and running of fountain in the water body to achieve zero exit discharge.
- [iii] For disinfection of the treated water ultra violet radiation or ozonation process should be used.
- [iv] The solid waste generated should be properly collected and segregated. Bio-degradable waste will be composted at site and dry/ inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.
- [v] 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 and with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG sets should be of low sulphur content (maximum upto 0.25%).
- [vi] Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Residential Complex.
- [vii] Weep holes in the compound retaining walls shall be provided to ensure natural drainage of accumulated water.
- [viii] 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 pipe for rainwater recharging should be kept at least 5 mts. above the ground water table.
- [ix] The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [x] A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.
- [xi] Energy conservation measures like installation of LEDs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used LEDs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels must be adopted to the maximum extent possible for energy conservation.
- [xii] 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 composted by vermi-composting 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.
- [xiii] 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.
- [xiv] The PP will use water from the already existing tube wells for domestic purposes only after getting permission from CGWA during operational phase.
- [xv] The traffic plan and the parking plan proposed by the PP should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points 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 make provision for 5% of the net planned area of the project to be reserved for water bodies as per Regional Plan of NCR.
- [xviii] 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 60 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.

**120.06 Environmental Clearance for proposed Affordable Group Housing Colony projects at Village Sohna, Sector-6, District Gurgaon, Haryana by M/s Arete India Projects Pvt. Ltd.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 15.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

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. Accordingly the notice will be issued by the Secretary, SEAC to the Project Proponent.

**120.07 Environmental Clearance for proposed Affordable Group Housing Colony projects at Village Alipur, Sector-31 Part (HD) of Sohna, Gurgaon, Haryana by M/s AAR Housing Pvt. Ltd.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 15.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

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. Accordingly the notice will be issued by the Secretary, SEAC to the Project Proponent.

**120.08 Environmental Clearance for Proposed Ware House for storage of non-agricultural produce (logistics) in the revenue estate of village Bilaspur and Pathreri, Distt.Gurgaon by M/s Siyat Property Pvt. Ltd..**

**Project Proponent : Sh. Sunil Sexana, Authorized Signatory**

**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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
2. The PP should submit 500 meter radius Google image.
3. The PP should submit an affidavit by a Director of the Company giving latest status of project.
4. The PP should submit Clear design and dimensions of recharge pit and de-silting chamber along with maintenance plan
5. 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 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.

**120.09 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.**

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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

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. Accordingly the notice will be issued by the Secretary, SEAC to the Project Proponent.

**120.10 Environmental Clearance for proposed Residential Area Development Project at Sector-14- P-II and Sector-33 in Hisar by Executive Engineer HUDA, Division No.11, Hisar.**

**Project Proponent : Sh. B.K. Arora, Executive Engineer**

**Consultant : Vitya Consultants**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 19.01.2015 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.

Thereafter the case was taken up for approval of terms of reference in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

The project proponent presented the case for proposed ToRs. The PP is directed to prepare the EIA by incorporating the following ToR:

**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 14<sup>th</sup> 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
- Existing 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 **For 4 different** (ii) 15-30 cm
- Sub soil permeability **depths i.e.** (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 PM<sub>10</sub>, PM<sub>2.5</sub>, oxides of nitrogen (NO<sub>x</sub>), sulphur dioxide (SO<sub>2</sub>), 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 neighborhood 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, unloading, 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 alia 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 belt, 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 NO<sub>2</sub>, SO<sub>2</sub>, CO, PM<sub>25</sub>, PM<sub>10</sub>.
16. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP alongwith hydraulic design..
17. The PP should submit MSW Bio composting plan in open area.
18. 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.
19. The PP should submit detail design with dimensions of recharge pit and de-silting chamber.
20. The report shall be duly signed by the Project Proponent and the Consultant on all the pages.

The PP will submit Environment Impact Assessment Report by incorporating the above mentioned Terms of References (ToR) as approved by the committee within a time schedule in compliance of EIA Notification dated 14.09.2006 alongwith the reply of other observations issued for taking up their case for appraisal. It was also decided that their project will be considered as received only after receipt of complete information.

**120.11 Environmental Clearance for proposed IT Project "Gateway Tower", Village Sarai Anangpur, District Faridabad, Haryana by M/s Dove Infrastructure Pvt. Ltd M/s Dove Infrastructure Pvt. Ltd..**

**Project Proponent : Sh. Sachin, Authorised Signatory**

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

The project was submitted to the SEIAA, Haryana on 05.05.2014. The project proponent submitted the case to the SEIAA as per check list approved by the SEIAA/SEAC.

Thereafter this case was taken up for approval of Terms of Reference in the 106<sup>th</sup> meeting of the SEAC held on 16.06.2014. This case was taken up in the meeting for approval of terms of reference as the proposed covered area as per the application was 152099.746 sq meters. Project proponent informed that due to change in the stilt area, the built-up area has been reduced from 152099.746 Sq. Meters to 140031.55 Sq. Meters Therefore, now their case is covered under 8(a) category. The matter was discussed in detail and the project proponent was directed to submit the revised application Form I, IA and Conceptual Plan alongwith other requisite documents.

During discussion, it was revealed that project proponent has already started construction work which amounts to violation of EIA Notification dated 14.09.2006. The PP was advised to submit an affidavit by a Director of the Company giving exact status of construction so that SEAC may take further action in view of notification dated 12.12.12 regarding projects which had commenced construction without obtaining prior Environmental Clearance.

This project came up before the Committee for further processing in view of the Office Memorandum No. J-11013/41/2006-1A.II(I) dated 12<sup>th</sup> December, 2012 and No. J-11013/41/2006-1A.II(I) dated 27<sup>th</sup> June, 2013 issued by MoEF, GoI.

Further the Project Proponent was directed to stop the construction at site immediately in compliance of the Office Memorandum No. J-11013/41/2006.IA.II(I) dated 27.06.2013 issued by MoEF, GoI.

Sh. Vijay Khurana attended on behalf of the project proponent. They have been clearly informed that further action is to be followed as per directions contained in the Office Memorandum No. J-11013/41/2006-1A.II(I) dated 12<sup>th</sup> December, 2012 and No. J-11013/41/2006-1A.II(I) dated 27<sup>th</sup> June, 2013 issued by MoEF and their case is recommended to the SEIAA with clear stipulations that prosecution proceedings be launched because of the violations incurred by the project proponent which has been proved through Resolution passed by the Board of Directors of the Company. The process of Environment Clearance will follow in accordance with the directions contained in 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 is of the unanimous view that the case be referred to the SEIAA for initiating further necessary legal action as per para 5(ii) above.

As per the decision taken by the Committee in the 106<sup>th</sup> meeting of the SEAC held on 16.06.2014, the case was referred back to the SEIAA, Haryana for taking legal action against the project proponent.

The Principal Secretary to Government of Haryana, Environment Department has provided the evidence of credible action taken against the project proponent vide letter No. 16/17/2010-3E dated 11.03.2015 to 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.

Thereafter the case was taken up in the 119<sup>th</sup> meeting of the SEAC held on 20.10.2015.

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 next meeting. 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 in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.

2. The PP should submit assurance from Electricity Department.
3. The PP should submit 500 meter radius Google image.
4. The PP should submit an affidavit by a Director of the Company giving latest status of construction i.e. area constructed before filing prosecution and balance area to be constructed.
5. The PP should submit an undertaking that they will use ultra low sulphur fuel in DG Sets.
6. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP.
7. The PP should submit MSW Bio composting plan.
8. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
9. PP should submit detailed Area Statement, inclusive of total FAR & non FAR areas (basements, stilts, projection, etc.)
10. PP should submit surface parking plan along with details of parking space provided & traffic movement pattern.
11. PP should submit ground excavation plan showing quantity of soil excavated & its disposal.
12. PP should submit layout plan of site with respect to sun path & optimized solar access & wind pattern.
13. PP should provide detail of total paved area of site under parking, roads, paths or any other use.
14. As per letter No. J-11013/41/2006.1A.II(1) dated 2<sup>nd</sup> 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.
15. 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 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.

**120.11(S) Environmental Clearance for construction of STP Project at Village Narkatari, Tehsil: Thaneshwar, Distt Kurukshetra, Haryana by Public Health Engineering Division, Kurukshetra.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 26.02.2015 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.

Thereafter the case was taken up in the 120<sup>th</sup> meeting of the SEAC held on 05.11.2015 as additional agenda item.

The Project Proponent requested for considering their case in the next meeting of the SEAC. The Committee agreed with the request and decided to take up their case in the next SEAC

meeting to be held on 18.11.201. 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 18.11.2015.

**120.12 Environmental Clearance for "Maharaja Agrasen Medical University" Located at Village Nuna Majra, District Jhajjar, Haryana by M/s Maharaja Agrasen Hospital Charitable Trust.**

**Project Proponent : Dr. A.P. Choudhary, Director**  
**Consultant : Grass Roots Research and Creation India Pvt. Ltd.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 19.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
2. The PP should submit 500 meter radius google image.
3. The PP should submit an affidavit by a Director of the Company giving latest status of construction.
4. The PP should submit an undertaking that they will use ultra low sulphur fuel in DG Sets.
5. The PP should submit liquid waste, solid waste and bio medical waste disposal plan
6. The PP should submit air pollution control measures for boiler.
7. The PP should submit details of incremental pollution load during construction phase alongwith mitigation measures.
8. The PP should submit revised parking plan/details as per the total OPD, IPD, visitors and faculty load.
9. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
10. The PP should submit detail design with dimensions of recharge pit and de-silting chamber.
11. 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 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.

**120.13 Environmental Clearance for construction of Commercial Colony at Sector-114, Gurgaon Manesar Urban Complex, Gurgaon, Haryana by M/s KST Infrastructure Pvt. Ltd.**

**Project Proponent : Sh. Anshul Jain, Director**  
**Consultant : Ind Tech House Consults**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 19.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

During discussion, it revealed that project proponent has started the construction work which amounts to violation of Environmental Protection Act, 1986 in compliance of EIA Notification dated 14.09.2006.

Further in order to assess the correct position at site, Committee decided to constitute a Sub-Committee consisting of the following to inspect the site to verify and report the status of construction of the project:

1. Sh. G.R. Goyat, Chairman
2. Sh. A.K. Bhatia, Member (Coordinator)

Sh. A.K. Bhatia, Member shall coordinate with the project proponent and the consultant. On behalf of project proponent, Sh. Anshul Jain, Director shall coordinate with Sh. A.K. Bhatia, Member for deciding the date and time of the visit and other details. The sub-committee shall submit its report within 15 days from the issue of the letter by the Secretary SEAC.

**120.14 Environmental Clearance for proposed "Warehouse Project" at revenue estate of Village Binola, Manesar, Distt. Gurgaon, Haryana M/s India land & Space Logistics Pvt. Ltd..**

**Project Proponent : Sh. Amitab Malik, Director**

**Consultant : Envirocare Techno Crafts Pvt. Ltd.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 19.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

During discussion, it was revealed that project proponent has already completed the construction as seen from the photographs 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 which contains a certified true copy of Resolution dated 18.11.2014 passed in the meeting of Board of Directors and an Affidavit dated 24.11.2014 of Sh. Manoj Saraogi, Director.

The Committee again went through the latest Memorandum No. J-11013/41/2006-1A.II(I) dated 12<sup>th</sup> 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 is of the unanimous view that the case be referred to the SEIAA for initiating further necessary legal action as per para 5(ii) above.

**120.15 Environmental Clearance for proposed Affordable Housing project at Sector-27, Rewari, Haryana by M/s Victory Build Estate Pvt. Ltd.**

**Project Proponent : Sh. Vaibhav Lodha, Director**

**Consultant : Paramarsh Servicing Environment and Development**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 20.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
2. The PP should submit revised water balance diagram.
3. The PP should submit Clear design and dimensions of recharge pit and de-silting chamber along with maintenance plan
4. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP.
5. The PP should submit MSW Bio composting plan.
6. 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 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.

**120.16 Environmental Clearance for the proposed construction of Residential Plotted Colony (97.773 Acres), Village Kasba Karnal, Sector-36, District Karnal by M/s Ansal Housing & Construction Limited**

**Project Proponent :** Col. P.K. Singhal, Vice President on behalf of M/s Ansal Housing & Construction Limited

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

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 08.08.2014 as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 111<sup>th</sup> meeting of the SEAC held on 08.09.2014 and conveyed to the project proponent vide letter No. 1631 dated 12.09.2014 with the following conditions:

1. HT line is passing through the project area. The category of the HT Line should be indicated along with Right of Way to be left clear to all the construction activity as per requirement of Electricity Rules.
2. There is an existing link road passing through project area. It may be clearly defined alongwith the land width.
3. For shelter belt of three lines adequate space should be left all around the periphery of the project area and this should be shown on the scaled map.

The project proponent submitted the EIA report on 20.01.2015 on the basis of Terms of Reference approved by the Committee.

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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

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. Accordingly the notice will be issued by the Secretary, SEAC to the Project Proponent.

**120.17 Environmental Clearance for Residential Colony, Village Teha and Garhi Keshri, District Sonipat by M/s Bigjo Infraestate Limited**

**Project Proponent :** Sh. Vivek Joshi, General Manager on behalf of M/s Bigjo Infraestate Limited

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

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 20.03.2014 as per check list approved by the SEIAA/SEAC.

The Terms of Reference were approved in the 105<sup>th</sup> meeting of the SEAC held on 28.05.2014 and conveyed to the project proponent vide letter No. 1331 dated 09.06.2014 with the following conditions:

1. *As per license, Sh. Sanjeev Kumar S/o Sh. Sher Singh is the licensee and owner of the land. Whereas Collaboration Agreement is with Sh. Sanjeev Kumar Jain S/o Late Sh. S.S. Jain. The Collaboration Agreement should be with the owner/licensee without any change of name and without any abbreviation of name.*
2. *The PP should submit the Collaboration Agreement in respect of Sh. Shiv Kumar Son of Sh. Hukan Chand (Approximate Area 1 Acres).*

The project proponent submitted the EIA report on 20.01.2015 on the basis of Terms of Reference approved by the Committee.

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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
2. The PP should submit revised water balance diagram.
3. The PP should submit assurance from Electricity Department.
4. The PP should submit 500 meter radius Google image.
5. 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.
6. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP.
7. The PP should submit MSW Bio composting plan in open space.
8. The PP should submit Clear design and dimensions of recharge pit and de-silting chamber along with maintenance plan
9. The PP should submit detailed traffic circulation/movement pattern with specific reference to the entry and exist to the site w.r.t. National Highway.
10. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
11. The PP should submit ground water monitoring proposal.
12. The PP should submit site plan indicating the location of the water body.
13. 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 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.

**120.18 Environmental Clearance for the proposed expansion of project "Residential Plotted Colony:, Sector-11 & 14, Village Sohna & Raipur, District Gurgaon by M/s Raheja Developers.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 17.10.2014. The papers submitted were examined and certain shortcomings were noticed and conveyed to the PP vide letter No. 1762 dated 31.10.2014. The PP submitted reply to the shortcomings on 21.10.2014.

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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

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 next meeting to be held on 19.11.2015. It was also made clear to the Project Proponent that no separate letter will be issued for attending the meeting of the SEAC.

**120.19 Environmental Clearance for proposed Affordable Group Housing Colony, Village Bhatola, Sector-82, District Faridabad M/s S3 InfraReality Pvt. Ltd.**

**Project Proponent : Sh. Ankur Aggarwal, Authorized Signatory**

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

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 22.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit copy of transfer of license from the DTCP in his/their name.
2. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
3. The PP should submit assurance from Electricity Department.
4. The PP should submit 500 meter radius google image.
5. 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.
6. The PP should submit detailed design calculations of STP alongwith dimension of each component and submit unit wise reduction of BOD for STP.
7. The PP should submit MSW Bio composting plan.
8. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
9. The PP should submit Clear design and dimensions of recharge pit and de-silting chamber along with maintenance plan
10. PP should submit surface parking plan along with details of parking space provided & traffic movement pattern.
11. 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 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.

**120.20 Environmental Clearance for proposed Group Housing Project, Sector-2, Tehsil Sohna, District Gurgaon, Haryana by M/s Ashiana Dwellings Private Limited (Formerly M/s PSL Infratech Pvt. Ltd.)**

**Project Proponent : Sh. Vijay Tuteja, Authorized Signatory**

**Consultant : J.M. Enviro Solutions Pvt. Ltd.**

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 23.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit assurance of solid waste disposal from reliable source.
2. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
3. The PP should submit Clear design and dimensions of recharge pit and de-silting chamber along with maintenance plan
4. 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 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.

**120.21 Environmental Clearance for construction of Affordable Group Housing Colony at Village Billah, Sector-14, Panchkula, Extension-II, District Panchkula, Haryana by M/s Green Space Infraheights Pvt. Ltd.**

**Project Proponent : Sh. Sachin Jain, Director**

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

The project proponent submitted the case for obtaining Environmental Clearance to the SEIAA, Haryana on 23.01.2015 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.

Thereafter the case was taken up for appraisal in the 120<sup>th</sup> meeting of the SEAC held on 06.11.2015.

After detailed discussions, the following shortcomings were concluded:

1. The PP should submit a detailed clarification from HUDA regarding availability of water in the area and corresponding summation of commitments made so far to be obtained by the PP from HUDA in the concerned area.
2. The PP should submit assurance from Electricity Department.
3. The PP should submit 500 meter radius google image.
4. The PP should submit an affidavit by a Director of the Company giving latest status of construction i.e. area constructed before filing prosecution and balance area to be constructed and also submit an undertaking that they will use ultra low sulphur fuel in DG Sets.
5. The PP should NOC from Irrigation Department for disposal of treated water in the drain.
6. The PP should submit ground water site specific hydrogeological details alongwith recharge capacity of recharge pit and also submit Rain water harvesting maintenance plan.
7. The PP should submit Clear design and dimensions of recharge pit and de-silting chamber along with maintenance plan.
8. PP should submit detailed Area Statement, inclusive of total FAR & non FAR areas (basements, stilts, projection, etc.)
9. 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 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.

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

List of Participants

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

