

# **Supplementary Agenda of 168<sup>th</sup> Meeting of SEAC**

**DATE : 22.06.2018 (Friday)**  
**TIME : 10.00 A.M.**  
**VENUE : Committee Room,  
2<sup>nd</sup> Floor, PPCB,  
Vatavaran Bhawan,  
Nabha Road, Patiala**



**State Expert Appraisal Committee**

**VATAVARAN BHAWAN, NABHA ROAD, PATIALA**

**Supplementary Agenda for the 168<sup>th</sup> meeting of State Expert Appraisal Committee to be held on 22.06.2018 at 10.00 AM in the Committee Room, Punjab Pollution Control Board, Nabha Road, Patiala.**

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**Item No.168.24: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement of induction furnaces in revenue estate of Village – Mangarh, Machhiwara Road, Kohara, Ludhiana-east District-Ludhiana, Punjab by M/s Renny Strips Pvt Ltd. (Furnace Division) (Proposal no SIA/PB/IND/27764/2018)**

The facts of the case are as under: -

The project proponent has filed application for issuance of TOR under EIA notification, 2006 for expansion of steel manufacturing unit by replacing the existing induction furnaces of capacity 8 TPH with a Induction furnace of capacity 15TPH in Village – Mangarh, Machhiwara Road, Kohara, Ludhiana-east District-Ludhiana, Punjab. The project is covered under category 3 (a) – Secondary Metallurgical Industries (ferrous & non-ferrous) of the Schedule appended to the said notification. The details of the project as given in form 1 and other documents are as under: -

- The project proponent submitted that it is an existing unit and is in operation since May 2018. The installed capacity of unit is 81 TPD through induction Furnace of 8TPH capacity. The detail of the unit is as under:

| <b>YEAR OF ESTABLISHM</b>        | <b>CAP. OF</b> | <b>POWER</b> | <b>TOTAL PRODUCTI</b> | <b>WHETHER COVERED UNDER EIA</b>  |
|----------------------------------|----------------|--------------|-----------------------|---|
| 2018<br>Renny Strips (P) Limited | 8TPH           | 3990 KW      | 81TPD or 28500 TPA    | The industry does not cover under EIA Notification, 14.09.2006 notification S.O. 3067(E) dated 01.12.2009 because the production capacity of the industry is <30,000 Tons per annum.. |

- The project proponent has proposed to increase the capacity of existing 8TPH Induction Furnace through amendment upto 15TPH Induction Furnace. After expansion, the installed production capacity of the industrial unit will be 64,800 T/Annum (180 T/day). The details are given in the tabulated form as under: -

| S. No.   | PARTICULARS   | EXISTING  | PROPOSED | TOTAL   |
|----------|---|---|----------|---------|
| <b>A</b> | <b>EXISTING &amp; PROPOSED CAPACITY OF FURNACES &amp; ROLLING MILLS</b> |   |          |         |
| 1        | Induction Furnace   | 8 TPH (to be enhanced up-to 15TPH by amendment) | 15 TPH   |         |
| <b>B</b> | <b>PRODUCTS</b>   |   |          |         |
| 1        | Steel Ingot (TPA)   | 28,500  | 36,300   | 64,800  |
| <b>C</b> | <b>RAW MATERIAL</b>   |   |          |         |
| 1        | MS Scrap & Ferro Alloys (TPA)   | 29,920  | 41,360   | 71,280  |
| <b>D</b> | <b>GENERALS</b>   |   |          |         |
| 1        | Project Cost (Crores)   | Rs 7.44   | Rs 2.56  | Rs 10.0 |
| 2        | Land (sqy)  | 3509  | NIL      | 3509    |
| 3        | Power (KW)  | 3990  | 1000     | 4990    |
| 4        | Manpower (Nos.)   | 150   | 50       | 200     |
| 5        | Working days  | 24 hrs 360 working days in year                 |          |         |

- Water requirement met through existing tube well. The detail of water requirement existing & after expansion is given below:-

| DESCRIPTION            | EXISTING | PROPOSED | TOTAL    |
|------------------------|----------|----------|----------|
| Domestic               | 6 KLD    | 3.0KLD   | 09.0KLD  |
| Cooling (makeup water) | 7.5 KLD  | 13.5KLD  | 21.0 KLD |
| Total                  | 13.5KLD  | 16.5 KLD | 30.0 KLD |

- There are no Wild Life Sanctuaries, Reserved /Protected Forests or Defense Installations, Rivers and Hill Ranges within 10 Km of the project. It is about 16 Kms from Ludhiana Bus The total project cost of the unit after expansion will be Rs 10 Crores.

- The project has already 3509 SqY. The industrial Land is registered in name of project proponent. The land is already use for industrial purposes. As per master plan of Ludhiana, its industrial Land. There will be no change in the land use. It is an expansion project no additional land is acquired
- There are no generation trade effluents from process. The waste water generated from domestic & cooling tower is being treated through Septic Tank and is being used for plantation within premises. After expansion, project proponent proposes to install STP for treatment of domestic effluent. The treated effluent will be re-using for cooling purposes.
- The hazardous wastes from the bag filters shall be stored in impervious pit and sent to TSDF site. The solid waste in the form of slag from the furnace, about 10 ton per day, received from the manufacturing process shall be in filling of Low lying area and in Road Making after recovery of metal.
- Hazardous waste generated (0.01 kl/annum) from DG sets in the form of used oil is being re-used as lubricants within the industry and dust after expansion (18 ton/annum) recovered by bag filter is also covered under hazardous waste & sent to TSDF (Madhav Alloys) site for final disposal.
- For Air Pollution Control Trauma Cyclone & Bag filters have been provided on Induction furnaces. Canopy has also provided on DG Set. As per the applicable statutory norms by SPCB, the SPM level in the gas emission, at discharge point, shall not exceed 150 mg/NM3. Additionally, the stack height requirements for discharge of process emissions are also to be complied with.
- Baseline data will be collected by monitoring & surveying of various environmental components / parameters in the core zone during the study period, details of which are given as under: -

| <b>S. NO.</b> | <b>PARAMETERS</b> | <b>DESCRIPTION</b>   |
|---------------|-------------------|--|
| 1             | Meteorology       | Meteorological parameters on hourly basis at project site. Parameters: Temperature, Relative humidity, Wind Speed & Wind Direction.  |
| 2             | Air               | Ambient air quality monitoring (24 hourly), twice a week. Parameters are PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>2</sub> & CO. No. of Locations: 8 locations in core and buffer zone. |
| 3             | Noise             | Noise level monitoring (Day & Night time), once in a   |

|   |                            |  |
|---|----------------------------|--|
|   |                            | season.<br>No. of Locations: 8 locations in core and buffer zone.  |
| 4 | Water                      | Ground water sampling, once in a season.<br>No. of Locations: 8 locations in core and buffer zone.<br>Tested for physical and chemical parameters. |
| 5 | Soil                       | Soil sampling, once in a season.<br>No. of Locations: 6 locations in core and buffer zone.   |
| 6 | Biological Factors         | Biodiversity survey, once in a season.<br>Location: Core and buffer zone.  |
| 7 | Socio-economic Environment | Socio-economic survey, once in a season.<br>Location: Core and buffer zone.  |

➤ Environmental Impact and Management Plan is as under:-

| <b>PARTICULARS</b>                     | <b>DETAILS</b>  |
|--|---|
| <b>Impact on Air</b>                   |   |
| <b>Construction/ Operational Phase</b> | <p>Air emissions both gaseous and fugitive from plant will be on account of process emissions from stacks of existing Induction furnace &amp; proposed Furnace as well as DG. Sets. The mitigation measure adopted as under:</p> <ul style="list-style-type: none"> <li>➤ The main raw material and product will be brought in and dispatched by road through covered enclosures.</li> <li>➤ All the vehicle owners will have valid PUC Certificate</li> <li>➤ All vehicles are loaded up-to prescribed limit during transportation.</li> <li>➤ Dust suppression on haul roads will be done at regular intervals.</li> <li>➤ Proper pollution control equipment like Trauma Cyclone Followed by bag filter is/will be provided.</li> <li>➤ APCD solid waste after expansion will also be sent to TSDF site for final Disposal.</li> </ul> |
| <b>Air Quality Management:</b>         |   |
| <b>Emissions Management</b>            | <ul style="list-style-type: none"> <li>➤ A stack of adequate height equipped with Trauma Cyclone Followed Bag filter will be installed with the Induction furnace to control the particulate and gaseous emissions due to combustion of fuel.</li> <li>➤ All the roads are asphalted to control the fugitive dust emissions</li> <li>➤ Proper servicing &amp; maintenance of vehicles is/will be carried out.</li> <li>➤ Green Belt around the periphery and within premises will be provided.</li> </ul>   |
| <b>Monitoring Management</b>           | Ambient air quality and stack emission will be regularly monitored to ensure that ambient air quality standards and suggested limits on stack emission loads would be met honestly at all the time.   |

|  |  |
|--|--|
| <b>Impact on water</b>                         |  |
| <b>Construction/<br/>Operational<br/>phase</b> | Water requirement of the plant will be meeting from existing tube well. Roof top rain water will be recharged to compensate ground water.  |
| <b>Water Management</b>                        |  |
|  | <ul style="list-style-type: none"> <li>➤ Fresh water requirement of the project will be met by existing tube well.</li> <li>➤ Domestic waste water generated from the plant will be treated in Septic Tank and treated water will be used in green belt development.</li> <li>➤ The cooling water will be re-circulated and cooling blow down will be treated through Septic Tank.</li> </ul>  |
| <b>Impact on Noise</b>                         |  |
| <b>Construction/<br/>Operational<br/>Phase</b> | <p>The expected noise levels of some of the proposed equipment like Pumps (82-95 dB (A), Induction furnace (95-105 dB (A), DG sets(100-120 dB (A).</p> <p>The above noise levels worked out are without mitigation measures. With the mitigation measures the noise levels will be further restricted within very short distance from the source point. The operators/personnel working near the noise sources in the Plant will be provided with earmuffs and earplugs</p> <p>Green belt will be developed around the plant premises which will act as noise abatement measures.</p>  |
| <b>Noise Management</b>                        |  |
|  | <ul style="list-style-type: none"> <li>➤ There will be no danger of noise pollution from plant. The green belt (plantation of dense trees across the boundary) helps in reducing noise levels in steel plant as a result of attenuation of noise generated due to plant operations and transportation.</li> <li>➤ Earmuffs will be used while running the equipments of the plant.</li> <li>➤ D.G sets will be provided with acoustic to control the noise level within the prescribed limit.</li> <li>➤ A high standard of maintenance will be practiced for plant machinery and equipments, which helps to avert potential noise problems.</li> <li>➤ Personal Protective Equipment like earplugs and earmuffs will be provided to the workers exposed to high noise level.</li> <li>➤ Regular monitoring of noise level will be carried out.</li> </ul> |
| <b>Solid Waste Management</b>                  |  |
| <b>Management</b>                              | APCD dust is being sent to TSDF site and slag from process is sent to low lying area for final disposal.   |
| <b>Green belt Management</b>                   |  |

|                   |   |
|-------------------|---|
| <b>Management</b> | <ul style="list-style-type: none"> <li>➤ Green belt development in and around the plant site helps to attenuate the pollution level.</li> <li>➤ Out of the total plant area approx. 5% land is already developed as green belt and it will be maintained in future also.</li> <li>➤ Green belt has been developed as per Central Pollution Control Board (CPCB) guidelines.</li> <li>➤ Native species have been planted in consultation with the local DFO</li> </ul> |
|-------------------|---|

- Rs 75.0 Lacs towards Environment Protection will be spent.
- Development of social amenities will be in the form of medical facilities, education to underprivileged and creation of self- help groups. The details of CER activity will be given in the final EIA report
- The details of the document submitted with the application are as under: -

|    |  |           |
|----|--|-----------|
| 1. | Properly filled Form 1 and basic information   | Yes       |
| 2. | Pre-feasibility Report   | Submitted |
| 3. | Proof of ownership of land/Lease deed  | Submitted |
| 4. | Copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project. | Submitted |
| 5. | Draft ToRs   | Submitted |
| 6. | List of accredited EIA consultant organization with accredited sector of NABET   | Submitted |

The case is placed before the SEAC for its consideration.



**Item No.168.25: Application for issuance of TORs for carrying out EIA study for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement of exiting induction furnaces in revenue estate village Kumbh, Mandi Gobindgarh, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab by M/s Rajdhani Iron Products Pvt. Ltd. (Proposal no SIA/PB/IND/27755/2018)**

The facts of the case are as under: -

The project proponent has filed application for issuance of TOR for obtaining Environmental clearance under EIA notification dated 14.09.2006 for expansion of steel manufacturing unit by replacement of exiting induction furnaces in revenue estate village Kumbh, Mandi Gobindgarh, Tehsil Amloh, Distt. Fatehgarh Sahib, Punjab. The project is covered under category 3(a) (Secondary metallurgical ferrous industry) of the Schedule appended to the said notification. The details of the project as given in form 1 and other documents are as under:-

- Rajdhani Iron Products Pvt. Ltd. is an existing secondary metallurgical ferrous industry having one set of induction furnaces (7 MT/heat capacity, with a production capacity of about 84 MT/day or 27720 MT/year) at Village Kumbh, Mandi Gobindgarh, District Fatehgarh Sahib (Punjab). Thus, the industry does not cover under EIA Notification, 14.09.2006 notification S.O. 3067(E) dated 01.12.2009 because the production capacity of the industry was <30,000 Tons per annum
- The project proponent has proposed to increase its production capacity by replacing the existing 7 TPH furnace with one set of 15 TPH capacity induction furnace , with increase production capacity from 84 MT/day (27720MT/year) to 225MT/day (74250 MT/year).
- The promoters of the project are already having around 5867sqm hectares of land at the site. There will be no change in the land area of the industry. The proposed increase` in production would be carried out within the existing premises of the company located at village Kumbh, Mandi Gobindgarh, Tehsil Amloh, District Fatehgarh Sahib, Punjab. The project site is outside the Municipal Limits and falls within Industrial Zone as per the Master Plan of Mandi Gobindgarh.

- No National Parks, Wildlife Sanctuaries, Conservation Reserves, Tiger / Elephant Reserves ,river or natural water body fall within 10 km radius from the plant site.
- The project ensues capital investment of about Rs. 1560 lacs and will operate for 350 days in a year
- The specific equipment requirement comprises of a Induction furnace of 15 MT loading capacity, electrical equipment/accessories, EOT cranes, Cooling tower, Cast iron moulds etc.
- The complete power requirements for the industry have been estimated to be about 7000 kW (7MW). There is a proposal to install silent DG Sets (1 x 125 KVA) as stand-by arrangement. The DG sets will be operated on HSD as fuel with fuel consumption of about 20 litre/hour when operated.
- The induction furnace will use scrap iron as basic raw material. Besides this, alloys such as Silicon, Silicon Manganese and Aluminum would be used for the production of Billets. Consumption of raw materials for the induction furnace plant is given below:-

| S. No. | Item   | Unit | Total |
|--------|--|------|-------|
| 1.     | MS Scrap   | MT   | 240   |
| 2.     | Alloys such as Silicon, Silicon Manganese and Aluminum | MT   | 3     |

- Daily production of Billets from the induction furnace plant is given below:-

| S. No. | Item        | Unit | Total |
|--------|-------------|------|-------|
| 1.     | MS Billets  | MT   | 225   |
| 2.     | By-products |      |       |
|        | Iron Slag   | MT   | 1     |

- The industrial unit will use fresh water for the following purposes;
  - a) Cooling of induction furnace electrical equipment
  - b) Domestic consumption
- The industry will install water recirculation based cooling towers @ 50 m<sup>3</sup>/day. Fresh Water will be required for the makeup of the evaporation losses in the cooling towers.
- Total average fresh water consumption for cooling water and Domestic requirement and wastewater generation from the project is summarized as under:-

| S. No. | Purpose       | Water requirement (KLD) | Wastewater generation (KLD) |
|--------|---------------|-------------------------|-----------------------------|
| 1.     | Cooling water | 10                      | 0                           |

|    |                      |           |            |
|----|----------------------|-----------|------------|
| 2. | Domestic requirement | 01        | 0.9        |
|    | <b>Total</b>         | <b>11</b> | <b>0.9</b> |

- Ground water from existing borewell installed at the location will be utilized for industrial purposes.
- The industry will construct septic tank for the treatment of domestic sewage before its use for plantation purposes.
- The proposed APCD will be pulsejet type baghouse filter with spark arrester. As per the applicable statutory norms, the SPM level in the gas emission, at discharge point, shall not exceed 150 mg/Nm<sup>3</sup>. Additionally, the stack height requirements for discharge of process emissions is also to be complied with.
- Solid waste will include induction furnace slag @ 1 MT/day. The solid wastes have commercial worth and will be sold.
- Hazardous waste will include dust from air pollution control devices @ 500 kg/day and used/spent lubricant and transformer oil @ 500 litre/year. The hazardous wastes will be stored on-site in HDPE bags, inside a lined and covered room before being disposed. The wastes will, subsequently, be disposed through the State's common hazardous waste disposal facility. The used oils will be kept in metallic drums inside a lined and covered room and sold to the authorized recyclers.
- The details of the document submitted with the application are as under: -

|    |  |   |
|----|--|---|
| 1. | Properly filled Form 1 and basic information   | Yes   |
| 2. | Pre-feasibility Report   | Submitted   |
| 3. | Proof of ownership of land   | Submitted   |
| 4. | Copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project. | Submitted, but online file not opened because it is damaged and cannot be repaired. |
| 5. | Draft ToRs   | Submitted   |
| 6. | List of accredited EIA consultant organization with accredited sector of NABET   | Not submitted   |

The case is placed before the SEAC for its consideration.

**Item No.168.26: Application for environmental clearance under EIA notification dated 14.09.2006 for the establishment of a group housing project namely "Insignia" located at Daunmajra, Kharar, S.A.S Nagar Mohali by M/s Virtue Land Developers (P) Ltd., SCO 40-41, Sector 9-D Madhya Marg, Chandigarh, Proposal No. SIA/PB/NCP /71603 /2017**

The facts of the case are as under:-

M/s Virtue Land Developers (P) Ltd. has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for the establishment of a group housing project namely **Insignia** located at Daunmajra, Kharar, S.A.S Nagar Mohali. The project is covered under category building construction 8 (a) of the Schedule appended to the said notification.

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

| <b>Sr.no.</b> | <b>Project Details</b>  |               |
|---------------|-------------------------|---------------|
| 1.            | Type of Project         | Group Housing |
| 2.            | Category                | 8 (a)         |
| 3.            | Total Project land Area | 21294 sqm     |
| 4.            | Built-up Area           | 57634 sqm     |
| 5.            | No. of Flats            | 614 flats     |
| 6.            | Population              | 3070 Persons  |

- The area of the site has been earmarked as residential area in the Master Plan.
- The project proponent has submitted NOC from DFO, SAS Nagar Mohali for construction of approach road to the proposed group housing project vide letter no. 1069 dated 09.05.2017 wherein it has been mentioned that approach road to the site to be developed by M/s Virtue Land Developers for proposed group housing project is to be laid at KM 17.600 (RHS), NH-21, on Kharar-Kurali Road, Daunmajra, Kharar. The Govt. of India vide its letter no.9-PBC339/2015-CHA dated 20.08.2015 has granted permission for widening of this road and with this permission, the portion of Kharar-Kurali-Ropar Road has been diverted due to which neither the forest land / tree is affected nor the section 4-5 of PLPA, 1900 are applicable to the revenue where the construction of approach road to the proposed group housing project has been proposed.
- The project proponent has submitted NOC from NHAI vide letter no.42 dated

21.06.2017 wherein access to private property of M/s Virtue Land Developers located at Kharar-Kurali Road, NH-21(New NH-205) in the Village Radiala & Village Daunmajra, Kharar at 17.60 KM (RHS) has been granted subject to the conditions mentioned therein.

- The total water requirement in the project will be 438 KLD which includes domestic water demand @414 KLD and green area water demand @24 KLD. The fresh water requirement @ 276 KLD will be met through own tubewell.
- The total wastewater generation from the project will be 331 KLD which will be treated in a STP of capacity 350 KLD (keeping in view of the quantities of the wet weather flow). In summer season, the project proponent has proposed to utilize 138 KL/day of treated wastewater for flushing purpose, 24KLD for green area & 136 KLD onto land for irrigation till they get sewer connection from MC. In winter season, 138 KL/day of treated wastewater for flushing purpose, 8 KLD for green area &152 KLD onto land for irrigation till they get sewer connection from MC. In rainy season, 138 KL/day of treated wastewater for flushing purpose, 4 KLD for green area & 156 KLD onto land for irrigation till they get sewer connection from MC.
- The location of existing sewer of MC Kharar from its project site on layout plan has not been marked by the project proponent. The project proponent has submitted a copy of agreement signed between M/s Virtue Land Developers Private Limited (Promoter Company) & Sh. Darshan Singh S/o Sh. Piyara Singh, Resident of Village Khanpur, Tehsil Kharar, SAS Nagar (Land Owner) wherein the promoter company can discharge its treated waste water onto land for irrigation from 01.12.2017 to 31.10.2018 on land measuring 19 bighe 4 biswe.
- About 4348 sqm area will be developed for green area at site.
- The project proponent has submitted that they will discharge treated waste water onto land for irrigation till they get sewer connection from MC.
- The total quantity of solid waste generation will be 1228 kg/day (400 gm/capita/day). Solid waste will be collected separately as biodegradable and Non-biodegradable waste as per the MSW Rules, 2016. Chute system will be provided to transfer the segregated solid waste from different floors. Biodegradable waste will be composted through Mechanical Composter. The non-biodegradable waste & Recyclable waste will be sold to authorized

venders. Inert waste will be sent to Municipal dumping site.

- The total load of electricity required for the project will be 3200 KW which will be taken from PSPCL. There is a proposal to install 5 no. silent DG Sets (1 X 500 KVA, 2X 240 KVA & 2 x 125 KVA) as stand-by arrangement.
- The project proponent has also proposed to provide rain water harvesting pits to recharge the rain water.
- Solar energy will be used for street lights as well as in the parks in phased manner.
- LED lamps and energy efficient electrical gadgets shall be used.
- As per the energy saving detail, total energy saved per day will be 261 KW/h.
- Used oil to be generated from the DG sets will be stored in HDPE tanks and sold to the authorized recyclers.
- The ambient air as well as ground water monitoring has been got done for all the parameters as prescribed in the NAAQM and IS: 10500. The concentration of all the parameters is found in the permissible limits.
- Director of the company will be responsible for implementation of EMP till the handing over of the project to MC or association of residents.
- For implementation of EMP, Rs. 96 lacs as capital cost, Rs. 8 lacs as recurring cost & Rs. 5.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred in construction phase whereas in operation phase, Rs. 10.5 lacs as recurring cost, Rs. 6.90 lacs /annum for monitoring of air, noise & water as recurring cost will be incurred.
- The project proponent has proposed to spend Rs. 5 lacs towards CSR activities and Director of the company will be responsible for its implementation. The list of activities are as under: -
  - a) Providing jobs to nearby people will be given priority
  - b) Widening of road in the vicinity of the project.
  - c) Providing toilets in government schools
  - d) Parks will be maintained in MC Zirakpur
  - e) Environmental Awareness Camps in the 10 km area.

Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 15.12.2017 to send the construction status of the project. Environmental Engineer, PPCB, RO, Mohali vide letter no. 5772 dated 19/12/2017 has reported

that the proposed site of the project was visited by AEE on 15.12.2017 and Sh. Harpreet Kaushik, representative of the promoter company was contacted. During the visit, it was observed as under:

- a) The proposed site of the promoter company is located on Kharar-Kurali Road, Kharar, SAS Nagar. As per the boundaries of the proposed site shown by the representative of the promoter company, the project is abutting to the Kharar-Kurali road on one side, Nirankari Bhawan on second side and agricultural fields on remaining two sides.
- b) The promoter company was in the process of construction of boundary wall along the boundary of the project.
- c) One guard room has been constructed at the site of the project and no construction activity of the main project has been started at the site of the project.

From the perusal of visit report sent by EE, Punjab Pollution Control Board, RO, Mohali, the SEAC in its 162<sup>nd</sup> meeting observed that no construction activity of the main project has been started at the site of the project and thus it is not a case of violation of EIA Notification. Thus, SEAC allowed the project proponent to present the salient features of the project.

Following were present on behalf of the project proponent in the 162<sup>nd</sup> meeting of SEAC held on 15.02.2018:

- (i) Sh. Harpreet Kaushik, Liaison Officer, Promoter Company
- (ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

Sh. Sumitava Dutta, environmental consultant of the project proponent started the presentation. During the presentation, the SEAC observed that the project proponent has submitted a copy of agreement signed between M/s Virtue Land Developers Private Limited (Promoter Company) & Sh. Darshan Singh S/o Sh. Piyara Singh, Resident of Village Khanpur, Tehsil Kharar, SAS Nagar (Land Owner) allowing the promoter company to discharge its treated waste water onto land for irrigation on land measuring 19 bighe 4 biswa w.e.f. 01.12.2017 to 31.10.2018. The SEAC observed that this arrangement made by the project proponent for the disposal of treated waste water is not satisfactory as the agreement made with the farmers can be revoked by either party any time. The SEAC further observed that there is no sewer connectivity

available in the vicinity and no proposal of any local body to lay the sewer in the area has been submitted by the Project Proponent.

After detailed deliberations, the SEAC decided to defer the case till such time the project proponent submits a concrete proposal for the disposal of treated waste water from the project. The complete presentation of the project will again be given by Environmental Consultant of the project proponent to the SEAC for technical appraisal of the case.

Accordingly, ADS (Additional Detail Sought) were raised online on 27.02.2018 and the reply of the project proponent was received on 07.03.2018. The project proponent has attached a letter No. 608 dated 05.03.2018 issued by GMADA, which was placed before the SEAC for perusal.

The case was considered by the SEAC in its 163<sup>rd</sup> meeting held on 13.03.2018, which was attended by the following on behalf of project proponent:

- (i) Sh. Ankit Sidana, Managing Director of the Promoter Company
- (ii) Sh. Sumitava Dutta, FAE, M/s CPTL, Chandigarh, Environment consultant of the promoter company.

The SEAC observed that Supdtt. Engineer(C-I), GMADA, SAS Nagar vide letter no. 608 dated 05.03.18 has informed that the project being approved by the Competent Authority and located in Master Plan of Mohali, GMADA will provide trunk services like water supply and sewerage for project against the External Development Charges. Since presently these services have not been provided at the site by GMADA, Project proponent will have to make his own arrangements at his own cost for these services till such time these services are provided by GMADA.

The SEAC observed that letter of GMADA submitted by the project proponent does not satisfy its observation made during the previous meeting and project proponent has still not given any satisfactory alternate disposal arrangements for the treated waste water in the absence of connectivity with the public sewer.

To this observation, the project proponent offered to submit irrevocable lease deed of 4 acres land for a period of 05 years to take care of the treated waste water of the project. The SEAC decided that irrevocable lease agreement to be signed between project proponent and land owner of adjoining 04 acres land shall be prepared and certified to be correct in the eyes of laws by any registered Advocate member of bar council. The project proponent and land owner shall also undertake



that the said 04 acres parcel of land will be solely used for the purpose of discharge of the treated waste water to be generated from the proposed project and the land will be developed as per Karnal technology for proper utilization of the waste water. The said land will not be sold or put into any other use during the lease agreement period. The period of lease agreement will be suitably extended in case sewer connectivity is not available to the project site after 05 years.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits lease agreement and undertaking as above.

Accordingly, the project proponent was requested vide letter No.410 dated 27.03.2018 to submit the reply to the observations, which was taken on record by the SEAC.

The case was considered by the SEAC in its 166<sup>th</sup> meeting held on 24.05.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Ankit Sidana, Managing Director.
- (ii) Sh. S. Dutta, FAE, M/s CPTL, Mohali, Environment consultant of the promoter company

The project proponent submitted reply online on 04.04.2018 to the aforesaid observation, wherein it was mentioned that

1. 614 apartments are proposed to be constructed in the Affordable Group Housing Project namely "Insignia" proposed to be developed in Village Daun Majra (HB 76) on Kharar- Ropar road, outside Municipal limits of Kharar.
2. It is clarified that assuming 5 persons in each apartment total population will be 3070 persons and requirement of water @ 135 litres per person per day works out to be 3070 X 135 litre/person/day i.e. 414 cum per day out of which fresh water requirement is 276 KLD & balance 138 KLD will be required for flushing and 24 KLD will be required for green areas only.
3. While designing the Sewerage Scheme, it has been assumed that 80% of the domestic water requirement i.e. 80% of 414 KLD i.e. 331.20 KLD will reach the Sewerage Network and a design factor at the rate of 3 times of DWF was taken into account. The complete network has been designed by using S.W pipes of appropriate size (minimum size of 200 mm Dia SWP has been considered as per

Pb. PWD norms) and by considering half running full, with a self-cleaning velocity of 2.5 feet per second, the size of proposed SW pipes varies from 200 mm to 400 mm diameter up to the 500 KLD capacity Sewerage Treatment Plant, for which site has been earmarked.

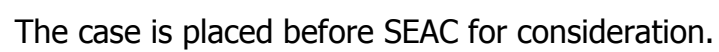
4. The installation of STP will be certified by an independent expert and a report in this regard will be submitted to Ministry of Environment & Forests, New Delhi before the project is commissioned. The STP will be able to treat the sewage to the desirable level as per the norms fixed by PPCB/MoEF.
5. 162 KLD treated waste water will be reused and balance 136 KLD effluent will first be stored in UGSR having 50000-gallon storage capacity and thereafter be supplied to nearby fields as per their requirement from time to time.
6. It will take about 3 years to complete the project and handover possession to owners of apartments. In case trunk sewer lines are not provided by end of years, they will make their own arrangement for carriage of treated waste water from STP/UGSR of this township to GMADA main sewer at Mohali or Municipal Council, Kharar through 30 tankers on daily basis. No sullage water shall be thrown in the open. It will be their responsibility to connect the sewerage network of this township with trunk services at their own cost & expenses as & when laid by GMADA or MC.
7. Circular manholes and vent shafts shall also be provided in the township.

The SEAC observed that replied submitted by project proponent is not satisfactory.

After detailed deliberations, SEAC decided to defer the case till the project proponent submits a concrete proposal in the shape of letter from Municipal Council, Zirakpur alongwith route map of the sewer line to be laid on the layout plan.

In compliance to the aforesaid decision taken by SEAC, the project proponent was requested vide letter no. 738 dated 12/06/2018 and through additional detail sought (ADS facility available on the web portal) to submit the reply to the observations.

Now, the project proponent has submitted a layout plan showing the sewer proposal of the area in reference to the ADS raised on the web portal, which is placed below:-



**Item No.168.27: Application for amendment in the environmental clearance under EIA Notification dated 14.09.2006 for construction of a group housing project namely "City Of Dreams - I" located in the revenue estate of Village Sante Majra, Sector-116, Kharar, Distt. SAS Nagar (Greater Mohali), Punjab by M/s Credo Assets Private Limited (Proposal no SIA/PB/NCP/58466/2016)**

The SEAC was apprised that M/s Credo Assets Private Limited was earlier granted Environmental Clearance by SEIAA, Punjab vide letter no. 3616 dated 21.11.2016 establishment of a Group Housing Project "City of Dreams-I" in an area of 26,304.5 sqm (6.50 acres) and having built up area 46703.01 sqm located at Village Sante Majra, Sector-116, Kharar, Distt. SAS Nagar (Greater Mohali), Punjab subject to certain conditions. The project proponent has now submitted application for amendment in the environmental clearance granted earlier.

The project proponent submitted that there is no change in the land area. However, built area has been increased by 408 sqm & now, the total built up area of the project is 47111 Sqm. Earlier, 516 flats and 22 shops had been proposed and now there is no change in the no. of flats but shops have been decreased from 22 nos. to 20 nos. The project proponent has submitted Form 1 and other requisite documents.

The case was considered by the SEAC in its 167<sup>th</sup> meeting held on 26.05.2018, which was attended by the following on behalf of the project proponent:

-

- (i) Sh. Chandan Goyal, Legal Advisor on behalf of the promoter company.
- (ii) Sh. Sital Singh M/s CPTL, Mohali, Environment Consultant.

Environment Consultant of the promoter company presented the salient features of the project as under:-

|    |                                  |  |
|----|----------------------------------|--|
| 1. | Category/Item No. (in schedule)  | 8(a): Group Housing project  |
| 2. | Name and Location of the project | "City of Dreams-I" located in the revenue estate of Village Sante Majra, Sector-116, Kharar, Distt. SAS Nagar (Greater Mohali), Punjab |

|    |   |  |  |  |                                  |
|----|---|--|--|--|----------------------------------|
| 4. | Total Plot area, Built-up Area and Green area | The details of the group housing project is as under:  |  |  |                                  |
|    |   |  | Old  | New  | Total                            |
|    |   | Land   | 6.50 Acres   | --   | 6.50 Acres                       |
|    |   | Built up area  | 46703 sqm  | 408sqm                                     | 47111 Sqm                        |
|    |   | Flats  | 516  | --   | 516                              |
|    |   | Shop   | 22   | -2   | 20                               |
|    |   | Project cost   | 80 Crore   | -  | 80 Crore                         |
| 5. | Population (when fully inhabited)             | Residential & Other population of 2620 Persons   |  |  |                                  |
| 6. | Water Requirements & source                   |  | <b>Break up of water requirement</b>                 | <b>Source</b>                              |                                  |
|    |   |  | Total: 539-558 KLD                                   | -  |                                  |
|    |   |  | Domestic: 537 KLD<br>Green Area: 02-21 KLD           |  |                                  |
|    |   |  | Fresh: 421 KLD                                       | Ground Water                               |                                  |
|    |   |  | Flushing: 116 KLD<br>Green Area 3823 sqm: 02- 21 KLD | Treated waste water<br>Treated waste water |                                  |
| 7. | Disposal Arrangement of Waste water           | Total Qty.= 387 KLD at the outlet of STP, which will be treated in the STP of capacity 500 KLD to be installed in the project premises.  |  |  |                                  |
|    |   | <b>Sr.No.</b>  | <b>Season</b>  | <b>For Flushing purposes (KLD)</b>         | <b>Green Area 3823 sqm (KLD)</b> |
|    |   | 1.   | Summer   | 116  | 21                               |
|    |   | 2.   | Winter   | 116  | 6                                |
|    |   | 3.   | Rainy  | 116  | 2                                |
| 8. | Rain water recharging detail                  | 05 nos rain water harvesting pits will be provided as per CGWA norms   |  |  |                                  |
| 9. | Solid waste generation and its disposal       | a) 1124 kg/day<br>b) Solid wastes will be appropriately segregated (at source by providing bins) into recyclable, Bio-degradable Components, and non- bio-degradable. Chute will be provided to collect the garbage. |  |  |                                  |

|              |  | <p>c) The recyclable waste will be sold to authorized recyclers.</p> <p>d) Mechanical composter will be provided for the Bio-degradable components.</p> <p>e) Inert waste will be dumped to designated dumping site.</p>   |  |              |                            |  |              |             |            |            |           |   |            |            |
|--------------|--|--|--|--------------|----------------------------|--|--------------|-------------|------------|------------|-----------|---|------------|------------|
| 10           | Hazardous Waste & E-Waste  | Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed off as per the E-waste (Management) Amendment Rules,   |  |              |                            |  |              |             |            |            |           |   |            |            |
| 11.          | Energy Requirements & Saving   | <p>a) 2500 KW from PSPCL.</p> <p>b) DG set of capacity: 1x500 KVA &amp; 1x 300 KVA</p> <p>c) Use of LED lamps (300 Nos) in common areas and Energy efficient electrical gadgets shall be used in the complex</p> <p>d) Solar energy will be used for street light (10 Nos) on the roads as well as in the parks</p> <p>e) 100 lt/day solar heated water will be used to save the energy</p> <p>a) 30 % roof top area (2518 sqm) will be used for solar power generation as per SEAC norms</p>  |  |              |                            |  |              |             |            |            |           |   |            |            |
| 12.          | Environment Management Plan along with Budgetary break up phase wise and responsibility to implement | <p>During construction phase, director of the company will be responsible for implementation of the EMP and thereafter, association of the residents or MC who so ever takes over the project, will be responsible for implementation of EMP. The detail of the budgetary break up phase wise is as under:-</p> <table><tr><th>Description</th><th>Capital Cost</th><th>Recurring Cost (per annum)</th><th>Monitoring of Air, Noise water (per annum)</th></tr><tr><td>Construction</td><td>Rs. 105 lac</td><td>Rs 4.5 Lac</td><td>Rs 5.9 lac</td></tr><tr><td>Operation</td><td>-</td><td>Rs.9.5 lac</td><td>Rs 6.9 lac</td></tr></table> | Description                                | Capital Cost | Recurring Cost (per annum) | Monitoring of Air, Noise water (per annum) | Construction | Rs. 105 lac | Rs 4.5 Lac | Rs 5.9 lac | Operation | - | Rs.9.5 lac | Rs 6.9 lac |
| Description  | Capital Cost   | Recurring Cost (per annum)   | Monitoring of Air, Noise water (per annum) |              |                            |  |              |             |            |            |           |   |            |            |
| Construction | Rs. 105 lac  | Rs 4.5 Lac   | Rs 5.9 lac                                 |              |                            |  |              |             |            |            |           |   |            |            |
| Operation    | -  | Rs.9.5 lac   | Rs 6.9 lac                                 |              |                            |  |              |             |            |            |           |   |            |            |
| 13.          | CSR activities alongwith budgetary break up and responsibility to implement                          | <p>Director of the Company will be responsible for implementation of the CSR activities. Rs. 10 Lacs will be spent towards following CSR activities: -</p> <p>a) Widening of road in the vicinity of the project.</p> <p>b) Toilets for girls in the nearest village school</p>  |  |              |                            |  |              |             |            |            |           |   |            |            |



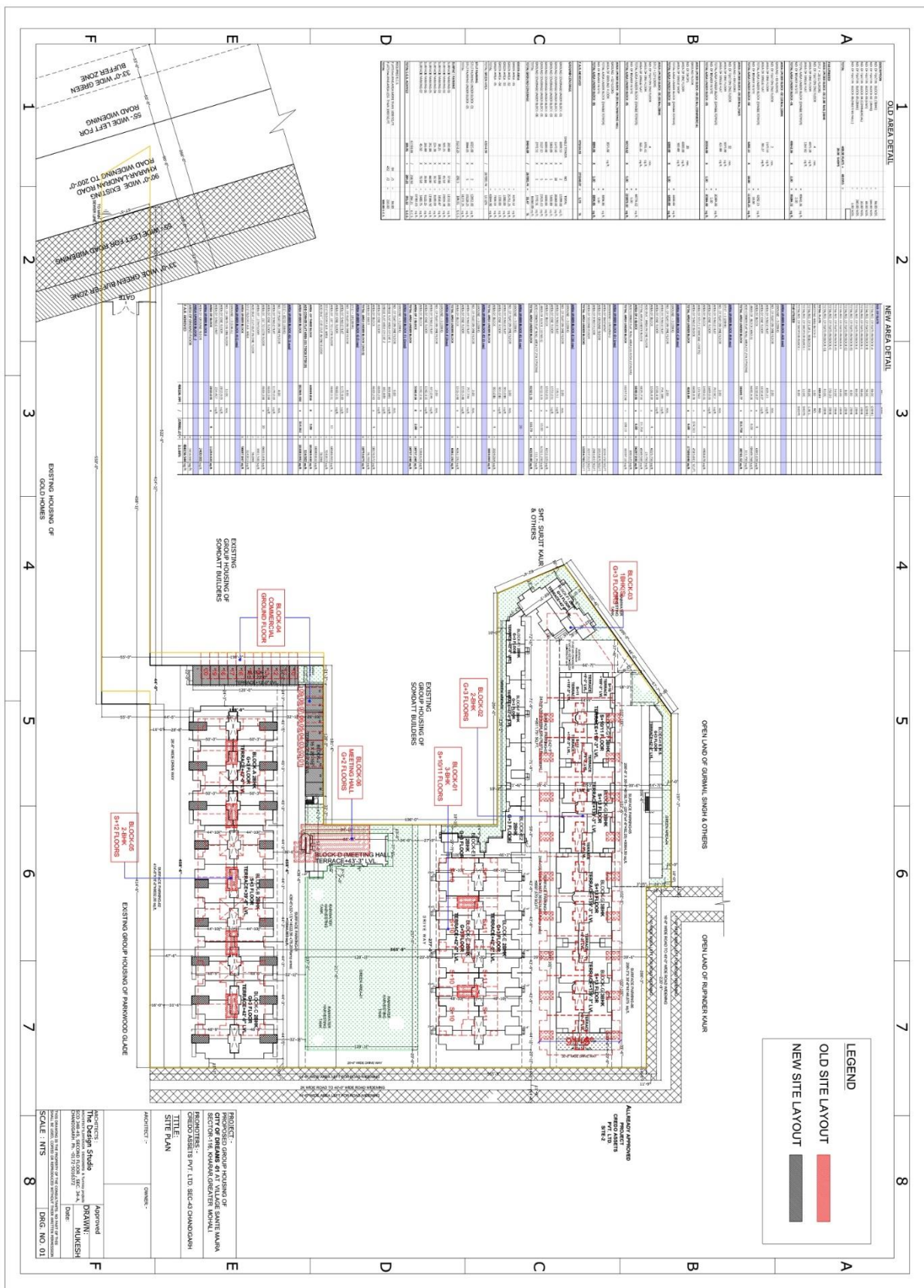
|    |                       |   |
|----|-----------------------|---|
| 14 | Other important facts | <ul style="list-style-type: none"> <li>➤ The project site is located at Kharar and the land for the proposed project confirms to the land use as per the Master plan.</li> <li>➤ No wildlife sanctuaries/parks falls within 10 km of the project site.</li> <li>➤ The EO, MC, Kharar vide its letter no.1101 dated 08.09.2016 has reported that till now no sewerage has been laid in the area where said project is coming up. However, when the same will be laid, the project proponent will be allowed to discharge its waste water into sewer on its own cost.</li> <li>➤ The EO, MC, Kharar vide its letter no.1102 dated 08.09.2016 has reported that the solid waste generated from the project site will be collected by MC, Kharar on payment.</li> <li>➤ The ambient air, ambient noise, soil and ground water monitoring has been got done for all the parameters as per the prescribed norms. The concentration of all the parameters is found in the permissible limits.</li> </ul> |
|----|-----------------------|---|

The SEAC queried to the project proponent as to whether the existing building plan has been super imposed with the proposed building plan and marked in different colors. In reply to this query, project proponent sought some time to super impose the existing as well as proposed areas on the layout map with different colors.

After detailed deliberations, SEAC decided to defer the case till project proponent submits reply to the aforesaid observations.

In compliance to the aforesaid decision taken by SEAC, the project proponent was requested through additional detail sought (ADS facility available on the web portal) to submit the reply to the observations.

Now, the project proponent has submitted a layout plan on which existing as well as proposed areas superimposed with different colors in reference to the ADS raised on the web portal, which is placed below:-





**Item No.168.28: Application for obtaining environmental clearance under EIA Notification dated 14.09.2006 for establishment of group housing project namely "Hermitage Centralis" located at Zirakpur, Tehsil Derabassi Distt. SAS Nagar Mohali, Punjab by M/s Hermitage Infra Developers (Proposal no SIA/PB/NCP/74716/2018)**

The SEAC was apprised that M/s Hermitage Infra Developers has filed an application for obtaining environmental clearance under EIA Notification dated 14.09.2006 for establishment of group housing project namely "Hermitage Centralis" located at Zirakpur, Tehsil Derabassi Distt. SAS Nagar Mohali, Punjab. The project proponent has submitted Form 1, Form 1A and other requisite documents.

Environmental Engineer, PPCB, Regional office, Mohali was requested vide email dated 18.05.2018 to send the construction status of the project site. Environmental Engineer, Punjab Pollution Control Board, Regional office, Mohali vide email dated 21/05/2018 has reported that the project site was visited by AEE of his office on 18.05.2018. During the visit, it was observed that the site is surrounded by many housing projects and is adjoining to Maya Garden-3, Group Housing Project. The construction activity was in progress at the time of visit. The representative of project informed telephonically that the construction in progress is of "Hermitage Centralis Commercial" and this site is adjoining to Group Housing Project namely "Hermitage Centralis", and is not part of the Group Housing Project. The construction activity has just recently been started for the foundation work. It is further submitted that the layout plan attached with the application is not legible, so as to verify that "Hermitage Centralis Commercial" is part of "Hermitage Centralis" or not. The project proponent was again requested vide email dated 22.05.2018 to provide legible layout plan to the Environmental Engineer, RO, Mohali and Environmental Engineer, RO, Mohali also requested vide email dated 22.05.2018 that after receipt of legible layout plan, fresh construction status report may please be sent so as to enable SEAC to proceed further in the matter.

The case was considered by the SEAC in its 167<sup>th</sup> meeting held on 26.05.2018, which was attended by the following on behalf of the project proponent: -

- (i) Sh. Sandeep Kumar, Manager Liasoning on behalf of the promoter company.
- (ii) Sh. Sital Singh M/s CPTL, Mohali, Environment consultant of the promoter company.

The SEAC was apprised that Environmental Engineer, Regional Office, Mohali vide email dated 23.05.2018 reported that the site of housing project namely "Hermitage Centralis" at Zirakpur was again visited by the AEE of this office on 23/05/2018. During the visit, project proponent provided the copy of layout plan, submitted with SEAC. The measurements were carried at the time of visit and it was observed that no construction activity is being carried out at the site of housing project. The construction activity earlier reported by this office is of commercial project, which is not part of the housing project as per the layout plan submitted with SEAC.

Before allowing the presentation, SEAC asked to the project proponent regarding distance from the Sukhna Wildlife Sanctuary. In reply to this, the project proponent stated that the distance of the project site is more than 10 Km. The SEAC was not satisfied with the reply of the project proponent and asked the project proponent to submit documentary proof certified by the DFO in this regard and in case, the project site is within 10 kms radius then, the project proponent should file an application before the concerned DFO, Wildlife for obtaining NBWL permission and submit a copy of the acknowledgement alongwith a copy of the application submitted to the concerned DFO Wildlife for obtaining permission from the NBWL.

The project proponent requested the SEAC to allow to present the salient features of the project so as to take up the other observations along with aforesaid observation. The SEAC accepted the request of the project proponent and allowed him to present the salient features of the project, which were presented as under: -

|    |                                     |   |
|----|-------------------------------------|---|
| 1. | Category/Item No.<br>(in schedule)  | 8(a): Group Housing project   |
| 2. | Name and Location<br>of the project | Hermitage Centralis located at Zirakpur, Tehsil Derabassi Distt. SAS Nagar Mohali, Punjab |

|    |   |  |                     |  |                           |                     |
|----|---|--|---------------------|--|---------------------------|---------------------|
| 4. | Total Plot area, Built-up Area and Green area | The details of the group housing project is as under:  |                     |  |                           |                     |
|    |   | Sr.No.   | Description         |  | Details                   |                     |
|    |   | 1.   | Size of the project |  | 29054 Sqm                 |                     |
|    |   | 2.   | Built up area       |  | 75143 Sqm                 |                     |
|    |   | 3.   | Total no of flats   |  | 452 Flats                 |                     |
|    |   | 4.   | Green Area          |  | 6426 sqm                  |                     |
| 5. | Population (when fully inhabited)             | Residential population of 2260 Persons.  |                     |  |                           |                     |
| 6. | Water Requirements & source                   | Break up of water requirement  |                     | Source                                     |                           |                     |
|    |   | Total: 308-340 KLD   |                     | -  |                           |                     |
|    |   | Domestic:305 KLD<br>Green Area: 03-35 KLD  |                     |  |                           |                     |
|    |   | Fresh: 204 KLD   |                     | Ground Water                               |                           |                     |
|    |   | Flushing: 101 KLD<br>Green Area 6426 sqm :<br>03-35 KLD  |                     | Treated waste water<br>Treated waste water |                           |                     |
| 7. | Disposal Arrangement of Waste water           | Total = 244 KLD, which will be treated in the STP of capacity 375 KLD to be installed in the project premises. |                     |  |                           |                     |
|    |   | Sr.No.   | Season              | For Flushing purposes (KLD)                | Green Area 6426 sqm (KLD) | Into MC SEWER (KLD) |
|    |   | 1.   | Summer              | 101  | 35                        | 108                 |
|    |   | 2.   | Winter              | 101  | 11                        | 132                 |
|    |   | 3.   | Rainy               | 101  | 3                         | 140                 |

|     |  |   |
|-----|--|---|
| 8.  | Rain water recharging detail   | 06 rain water recharging pits will be provided as per CGWA norms.   |
| 9.  | Solid waste generation and its disposal                                  | <ul style="list-style-type: none"> <li>a) 904 kg/day</li> <li>b) Solid wastes will be appropriately segregated (at source by providing bins) into recyclable, Bio-degradable Components, and non- bio-degradable. Garbage Chute will be provided to collect the waste.</li> <li>c) The recyclable waste will be sold to authorized recyclers.</li> <li>d) Mechanical composter will be provided for the Bio-degradable components.</li> <li>e) Inert waste will be dumped to designated dumping site of Municipal Council.</li> </ul> |
| 10  | Hazardous Waste and E-Waste  | Used oil from DG sets will be sold to registered recyclers and E-waste will be disposed off as per the E-waste (Management) Amendment Rules, 2018.  |
| 11. | Energy Requirements & Saving.  | <ul style="list-style-type: none"> <li>a) 2350 KW from PSPCL.</li> <li>b) 2x240, 2x 125 KVA &amp; 1 500 KVA (Silent DG sets)</li> <li>c) Use of Solar water heating system shall be encouraged in the group housing.</li> <li>d) Solar Light 10 No will be used in common area.</li> <li>e) Common area (300) lights replaced with LED. Energy efficient electrical gadgets shall be used</li> <li>f) 30% roof top area (1504 sqm) will be used for power generation as per the SEAC norms</li> </ul>                                 |
| 12. | Environment Management Plan along with Budgetary break up phase wise and | <p>During construction phase, Partner of the company will be responsible for implementation of the EMP.</p> <p>During operation phase, Partner of the company till the handing over of the project to M.C or to the association of residents, will be responsible for implementation of</p>   |

|              | responsibility to implement   | the EMP. The detail of the budgetary break up phase wise is as under:-   |  |  |  |             |              |                            |  |              |               |            |             |           |   |             |             |
|--------------|---|--|--|--|--|-------------|--------------|----------------------------|--|--------------|---------------|------------|-------------|-----------|---|-------------|-------------|
|              |   | <table><tr><th>Description</th><th>Capital Cost</th><th>Recurring Cost (per annum)</th><th>Monitoring of Air, Noise water (per annum)</th></tr><tr><td>Construction</td><td>Rs. 108.5 lac</td><td>Rs 7.0 Lac</td><td>Rs 5.9 Lacs</td></tr><tr><td>Operation</td><td>-</td><td>Rs.10.5 lac</td><td>Rs 6.9 Lacs</td></tr></table>  |  |  |  | Description | Capital Cost | Recurring Cost (per annum) | Monitoring of Air, Noise water (per annum) | Construction | Rs. 108.5 lac | Rs 7.0 Lac | Rs 5.9 Lacs | Operation | - | Rs.10.5 lac | Rs 6.9 Lacs |
| Description  | Capital Cost  | Recurring Cost (per annum)   | Monitoring of Air, Noise water (per annum) |  |  |             |              |                            |  |              |               |            |             |           |   |             |             |
| Construction | Rs. 108.5 lac   | Rs 7.0 Lac   | Rs 5.9 Lacs                                |  |  |             |              |                            |  |              |               |            |             |           |   |             |             |
| Operation    | -   | Rs.10.5 lac  | Rs 6.9 Lacs                                |  |  |             |              |                            |  |              |               |            |             |           |   |             |             |
| 13.          | CSR activities alongwith budgetary break up and responsibility to implement | Partner of the company will be responsible for implementation of CSR. Rs 10 Lac will be utilized for following CSR activities: -<br><br>a) Parks will be maintained of M.C Zirakpur<br>b) Toilets for girls in the nearby government school in the village falls under MC Zirakpur.  |  |  |  |             |              |                            |  |              |               |            |             |           |   |             |             |
| 14           | Other important facts   | <p>➤ The project site is located at Zirakpur. The land for the proposed project confirms to the land use as per the Master plan.</p> <p>➤ No wildlife sanctuaries/parks falls within 10 km of the project site.</p> <p>➤ The project proponent submitted a letter issued by the Executive officer, Municipal Council, Zirakpur vide letter no. 75/BB dated 05.04.2018 to the effect that sewerage connection of the Group Housing project can be made for the discharge of 350 KLD treated waste water with the main sewerage of Municipal Council, after depositing the requisite</p> |  |  |  |             |              |                            |  |              |               |            |             |           |   |             |             |

|  |  |  |
|--|--|--|
|  |  | <p>charges.</p> <ul style="list-style-type: none"> <li>➤ The project proponent submitted a letter issued by the Executive officer, Municipal Council, Zirakpur vide letter no. 76/BB dated 05.04.2018 to the effect that Municipal Council will make arrangement for collection and disposal of waste &amp; expenditure occurred on handling of waste will be borne by the project proponent.</li> <li>➤ The ambient air, ambient noise, soil and ground water monitoring has been got done for all the parameters as per the prescribed norms. The concentration of all the parameters is found in the permissible limits.</li> </ul> |
|--|--|--|

After presentation, the SEAC raised the following observations to the project proponent: -

- 1) What is the area requirement for Municipal Solid Waste? Detail calculation for the same required to be submitted.
- 2) Revised rainwater harvesting plan alongwith drawing to be submitted?
- 3) Corporate Environment Responsibility (CER) activity as per the MoEF Notification,01.05.2018 to be submitted?

After detailed deliberations, SEAC decided to defer the case and ask the project proponent to submit the reply to the aforesaid observations alongwith documentary proof certified by the DFO regarding distance from the Sukhna Wildlife Sanctuary to the project site so that further action in the matter may be taken.

In compliance to the aforesaid decision taken by SEAC, the project proponent was requested through additional detail sought (ADS facility available on the web portal) to submit the reply to the observations.

Now, the project proponent has submitted pointwise reply to the aforesaid observations as under:-

| Sr.<br>No. | Observation   | Reply  |
|------------|---|--|
| 1.         | What is the area requirement for Municipal Solid Waste? Detail calculation for the same required to be submitted.   | About 904 Kg/day MSW will be generated and 25 sqm area will be provided for storage of MSW. However, the detail calculations for the same has not been submitted.  |
| 2.         | Revised rainwater harvesting plan alongwith drawing to be submitted?  | Revised rainwater harvesting plan alongwith drawing has been submitted, which is attached as <b>Annexure-A.</b>  |
| 3.         | Corporate Environment Responsibility (CER) activity as per the MoEF Notification,01.05.2018 to be submitted?  | Rs. 10 Lacs will be spent under CER on the following activities:-<br><ul style="list-style-type: none"> <li>• Toilets for girls in the nearby Government School in the village falls under MC, Zirakpur.</li> <li>• Tree plantation in Zirakpur</li> </ul> |
| 4.         | Documentary proof certified by the DFO regarding distance from the Sukhna Wildlife Sanctuary to the project site so that further action in the matter may be taken. | An Acknowledgement regarding proposal seeking prior approval of Central Government under the Forest (Conservation) Act, 1980 has been submitted which is attached as <b>Annexure-B.</b>  |

The case is placed before SEAC for consideration.

## Annexure A

# RAIN WATER HARVESTING CALCULATIONS

- RAIN WATER CALCULATIONS
- 
- Plot Area = 29054 Sqm
- Roof Top Area = 5012 Sqm
- Green = 6426 sqm
- Roads & Paved = 17616 sqm
- Annual rain fall (mm) = 770 mm
- Annual rainfall potential
- 1 Roof  $-5012 \times 0.8 \times 0.77$  = 3087 cum/year
- 2 Green  $-6426 \times 0.3 \times 0.77$  = 1484 cum/year
- 3 Roads & Paved  $-17616 \times 0.6 \times 0.77$  = 8138 cum/year
- Total collection/annum = 12709 cum/year
- All the rain water will be recharged with adequate treatment as per the norms of CGWA

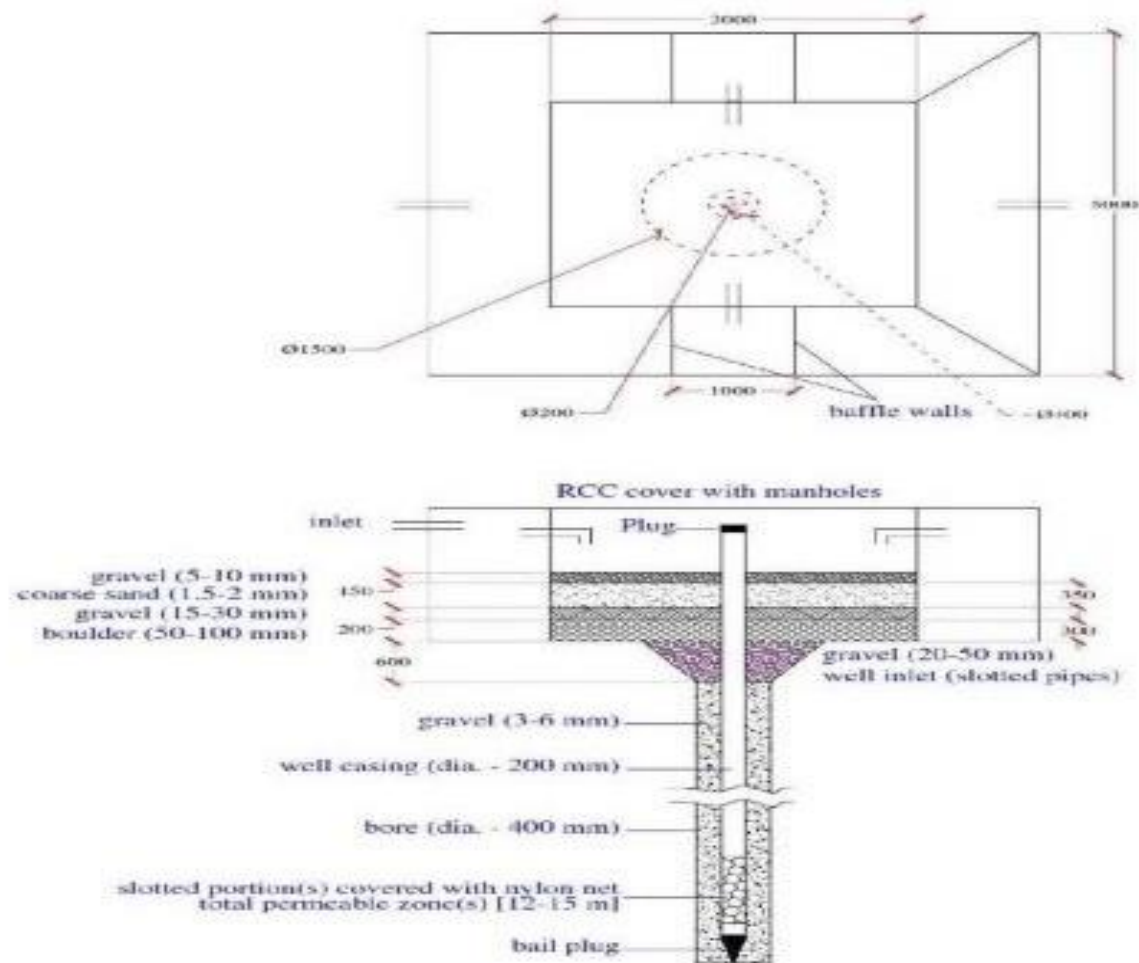


## RAIN WATER HARVESTING CALCULATIONS

- Peak hour rainfall in one hour = 30 mm
- 1 Roof  $-5012 \times 0.8 \times 0.03 = 120 \text{ cum}$
- 2 Green  $- 6426 \times 0.3 \times 0.03 = 58 \text{ cum}$
- 3 Roads & Paved  $- 17616 \times 0.6 \times 0.03 = 309 \text{ cum}$
- Total collection = 487 cum
- Size of the one pit =  $4\text{m} \times 4\text{m} \times 3\text{m} = 48 \text{ KLD}$
- Recharge rate (for each well) =  $\sim 10 \text{ lps}$
- One pit recharge = 36 KLD
- Total water available =  $487/84 = 5.79 \text{ pits}$
- Pits to be provided = 6

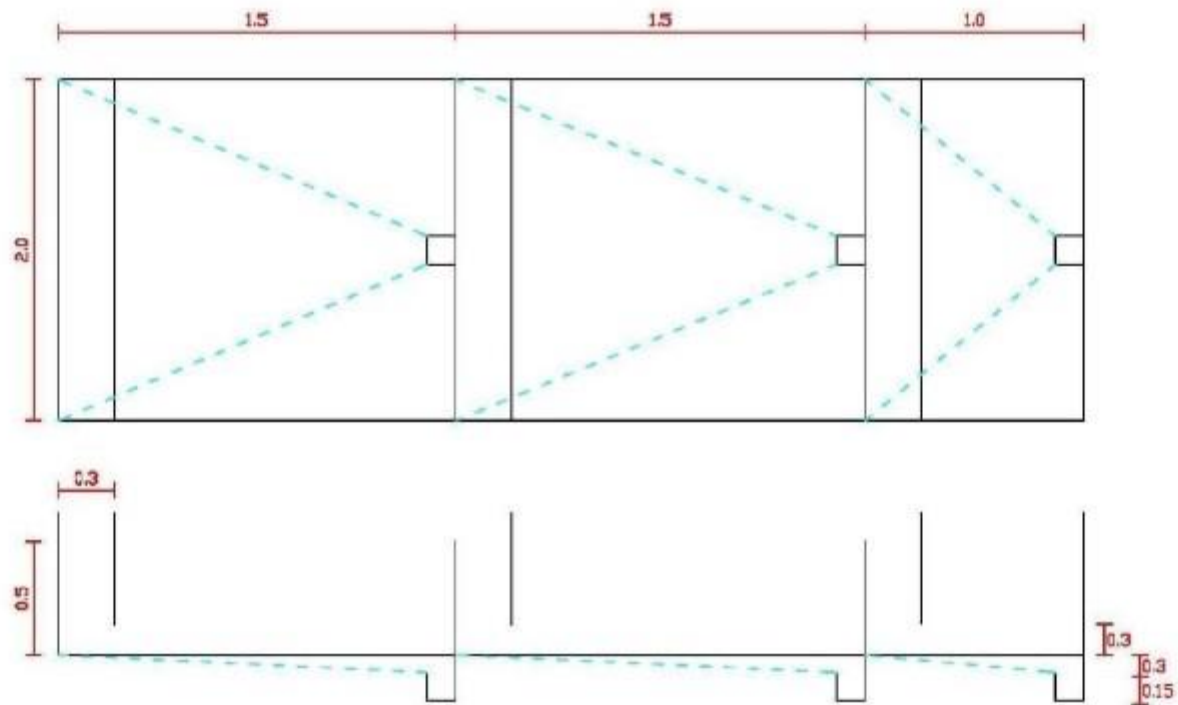
- Critical rainfall intensity = 30 mm in 1 hour
- Time of concentration = 30 minutes
- Maximum storm water available = ~487 m<sup>3</sup>/hour
- Recharge method/technique – recharge well
- Recharge structure – trench with recharge wells
- Total permeable zone(s) provided – 12-15 m
- Recharge rate (for each well) = ~10lps
- **Number of wells = 6**
- ***Special emphasis, in drainage design, will be placed to prevent low intensity rainfall ( $\leq 5$  mm/hour and is potentially polluting) from entering the recharge well.***
- **Storm water from other than roof-top**
  - The storm water from other than roof-top will require following arrangement;
  - Storm water drainage and collection system
  - Screening at the inlet
  - Oil & grease trap-cum-desilting (pre-clarification) chamber
  - Filtration chamber
  - Shallow impoundment

- All desilting chambers will be cleaned at least once a year (preferably before monsoon)
  - The trench filter top layers(up to sand) will be cleaned at least once a year (preferably before monsoon).
  - Whole of the trench packing will be required to be cleaned at least once in 3 years.
  - The recharge well rehabilitation will be undertaken at least once in 5 years or as required (in case the recharge rate of a well goes down significantly. This will be done through *jetting and simultaneous pumping* – the method combines high pressure water jetting with pumping (usually using an airlift system). Essentially the jetting process loosens the fine material and the pumping action draws it through the screen and directly to the surface
-



**Rain water recharge well (with trench)**

- **Storm Water Management – construction phase**
- Design continuous period of rainfall = 2 days
- Rainfall intensity = 100 mm in 2 days
- Area contributing to storm water = ~40% of total site area
- Run-off coefficient = 0.2
- Storm water available = ~232 m<sup>3</sup>
- Storm water handling
- Shallow unlined surface impoundments of ~250 m<sup>3</sup> effective storage capacity with following details;
- Network of kucha drains connecting to floor of the surface impoundments to have graded gravel packing allowing for natural gravity seepage (groundwater recharge)
- Nearness to the septic tank to be avoided
- The water to be suitably used to meet construction water requirement



□ & G-cum-trash separator  
(NTS - all dimensions in 'm')



/16/2018

Gmail - Email Alert From System Administrator of Online Submission and Monitoring of Wildlife Clearances Proposal(OSMWCP) portal



Singla Zirakpur &lt;zrk.singla@gmail.com&gt;

## Email Alert From System Administrator of Online Submission and Monitoring of Wildlife Clearances Proposal(OSMWCP) portal

1 message

monitoring-fc@nic.in <monitoring-fc@nic.in>  
 To: zrk.singla@gmail.com  
 Cc: monitoring-fc@nic.in

Sat, Jun 16, 2018 at 11:36 AM

This is to acknowledge that a proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980 as per the details given below has been successfully uploaded on the portal of the Ministry of Environment, Forests and Climate Change Government of India.

1. **Proposal No.** : FP/PB/Others/2562/2018
2. **Proposal Name** : Hermitage Centralis
3. **Category of the Proposal** : Others
4. **Date of Submission** : 16/06/2018
5. **Name of the Applicant with Contact Details**

|                   |              |
|-------------------|--------------|
| <b>Name</b>       | : DILARAM    |
| <b>Mobile No.</b> | : 9814112012 |
| <b>State</b>      | : Punjab     |
| <b>District</b>   | : SAS Nagar  |
| <b>Pincode</b>    | : 140603     |

6. **Protected Area (ha.)** : 0

The proposal will be examined by Wild Life Warden, Forest (Conservation) Act, 1980 to assess its completeness.

(System Administrator)

\*\*\* This is a system generated email, please do not reply. \*\*\*

[https://mail.google.com/mail/u/1/?ui=2&ik=88b9aeeb0d&jsver=nz7oc4zvxc.en.&cbi=gmail\\_fe\\_180612.09\\_p5&view=pt&search=inbox&th=164673433...](https://mail.google.com/mail/u/1/?ui=2&ik=88b9aeeb0d&jsver=nz7oc4zvxc.en.&cbi=gmail_fe_180612.09_p5&view=pt&search=inbox&th=164673433...) 1/1

**Item No.168.29 : Application for obtaining Environmental clearance under EIA notification dated 14.09.2006 for establishment of a Group Housing project namely "Belliston Avenue" at Village Gazipur, Zirakpur, Distt. S.A.S Nagar, Punjab by M/s. GVT Infra. (Proposal no. SIA/PB/NCP/72694/ 2018)**

The facts case are as under : -

M/s. GVT Infra has filed an application for obtaining Environmental Clearance under EIA notification, 2006 for establishment of a Group Housing Project namely "Belliston Avenue" at Village Gazipur, Zirakpur, Distt. S.A.S Nagar, Punjab by M/s. GVT Infra. The project is covered under category 8(a) of the Schedule appended to the said notification as building construction project. The project proponent has submitted the requisite documents with the Form 1 & Form 1A.

Environmental Engineer, PPCB, RO, Mohali was requested vide email dated 28.03.2018 to send the construction status of the project site. Environmental Engineer vide email dated 04.04.2018 has reported that project site of Group Housing Project namely "Belliston Avenue" at Village Gazipur, Zirakpur, Distt. S.A.S Nagar, Punjab to be developed by M/s. GVT Infra, was visited by the AEE of his office on 29.03.2018. Sh. Rajnish Singla, Partner of the project was present at the time of visit. During the visit, it was observed that the proposed site is adjoining to housing project namely Crystal Homes & Green Valley Towers and opposite to Delhi Public School. No construction activity is being carried out, except the boundary wall, the construction work of which was in progress at the time of visit.

The case was placed in the agenda of 164<sup>th</sup> meeting of SEAC held on 10.04.2018 but could not be taken up due to paucity of time and was deferred.

The case was considered by the SEAC in its 165<sup>th</sup> meeting held on 21.04.2018, which was attended by the following on behalf of the project proponent:

- (i) Sh. Rajnish Singla, Partner of the Promoter Company.
- (ii) Smt. Priyanka Madan, Eco Laboratories & Consultants Pvt. Ltd., Mohali, Environmental Consultant of the promoter Company.

The SEAC allowed the project proponent to present the salient features of the project. Environmental Consultant of the promoter company presented the salient features of the project as under: -



### **Brief details of the project**

| 1.                                      | Category/Item No.<br>(in schedule)            | 8(a): Group Housing project   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
|---|---|---|-------------------------------|--------|----------------|-------------|---|----|------------------------------------|---------------------------------|---|---------------------|-----------|----|------------------|----------|----|---------------|------------|----|-------------------------|---------|-----|-----------------------------|---------|-----|------------------------|------------|-----|----------------------------|--------|-----|------------------|---------|
| 2.                                      | Name and Location of the project              | Belliston Avenue, Village Gazipur, Zirakpur, S.A.S. Nagar (Mohali), Punjab  |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 3.                                      | Cost of the project                           | Rs. 55.32 Crores  |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 4.                                      | Total Plot area, Built-up Area and Green area | <div>The details of the area development project is as under:</div> <table><tr><th>Sr.No.</th><th>Description</th><th>Details in sqm</th></tr><tr><td>5.</td><td>Plot area</td><td>12,828.53<br/>(3.17 acres)</td></tr><tr><td>6.</td><td>Built-up area</td><td>30,361.29</td></tr><tr><td>7.</td><td>Residential D.U.</td><td>218 D.U.</td></tr><tr><td>8.</td><td>Club building</td><td>384.85 sqm</td></tr><tr><td>9.</td><td>Total Water requirement</td><td>151 KLD</td></tr><tr><td>10.</td><td>Total Wastewater Generation</td><td>131 KLD</td></tr><tr><td>11.</td><td>Solid waste Generation</td><td>458 kg/day</td></tr><tr><td>12.</td><td>Rain water Recharging Pits</td><td>5 Pits</td></tr><tr><td>13.</td><td>Parking Proposed</td><td>230 ECS</td></tr></table> |                               |        | Sr.No.         | Description | Details in sqm                          | 5. | Plot area                          | 12,828.53<br>(3.17 acres)       | 6.                                      | Built-up area       | 30,361.29 | 7. | Residential D.U. | 218 D.U. | 8. | Club building | 384.85 sqm | 9. | Total Water requirement | 151 KLD | 10. | Total Wastewater Generation | 131 KLD | 11. | Solid waste Generation | 458 kg/day | 12. | Rain water Recharging Pits | 5 Pits | 13. | Parking Proposed | 230 ECS |
| Sr.No.                                  | Description                                   | Details in sqm  |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 5.                                      | Plot area                                     | 12,828.53<br>(3.17 acres)   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 6.                                      | Built-up area                                 | 30,361.29   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 7.                                      | Residential D.U.                              | 218 D.U.  |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 8.                                      | Club building                                 | 384.85 sqm  |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 9.                                      | Total Water requirement                       | 151 KLD   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 10.                                     | Total Wastewater Generation                   | 131 KLD   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 11.                                     | Solid waste Generation                        | 458 kg/day  |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 12.                                     | Rain water Recharging Pits                    | 5 Pits  |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 13.                                     | Parking Proposed                              | 230 ECS   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 5.                                      | Population                                    | (i) Residential population of 1090 Persons.<br>(ii) Club/ Floating population of 110 Persons.   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| 6.                                      | Water Requirements & source                   | <table><tr><th>Break up of water requirement</th><th>Source</th></tr><tr><td>Total: 163 KLD</td><td>-</td></tr><tr><td>Domestic: 151 KLD<br/>Green Area: 12 KLD</td><td>-</td></tr><tr><td>Fresh: 111 KLD<br/>Flushing: 40 KLD</td><td>Tubewell<br/>Treated waste water</td></tr><tr><td>Green Area 2116.71 sqm : 12 KLD (Summer</td><td>Treated waste water</td></tr></table>  | Break up of water requirement | Source | Total: 163 KLD | -           | Domestic: 151 KLD<br>Green Area: 12 KLD | -  | Fresh: 111 KLD<br>Flushing: 40 KLD | Tubewell<br>Treated waste water | Green Area 2116.71 sqm : 12 KLD (Summer | Treated waste water |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| Break up of water requirement           | Source  |   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| Total: 163 KLD                          | -   |   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| Domestic: 151 KLD<br>Green Area: 12 KLD | -   |   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| Fresh: 111 KLD<br>Flushing: 40 KLD      | Tubewell<br>Treated waste water               |   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |
| Green Area 2116.71 sqm : 12 KLD (Summer | Treated waste water                           |   |                               |        |                |             |   |    |                                    |                                 |   |                     |           |    |                  |          |    |               |            |    |                         |         |     |                             |         |     |                        |            |     |                            |        |     |                  |         |

|        |   | Season)  |                   |                      |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
|--------|---|--|-------------------|----------------------|--------|--------|-------------------------|-------------------|----------------------|----|--------|----|----|----|----|--------|----|---|----|----|-------|----|---|----|
| 7.     | Disposal Arrangement of Waste water     | <p>Total = 121 KLD at inlet of STP &amp; 119 KLD at outlet of STP</p> <p>Waste water will be treated in the STP based on MBBR technology of capacity of 150 KLD. 40 KLD treated waste water will be used for flushing purposes. The details of use of the treated waste water in green area is as under:-</p> <table border="1"> <thead> <tr> <th>Sr.No.</th><th>Season</th><th>Flushing Purpose in KLD</th><th>Green area in KLD</th><th>Into MC Sewer in KLD</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Summer</td><td>40</td><td>12</td><td>66</td></tr> <tr> <td>2.</td><td>Winter</td><td>40</td><td>4</td><td>74</td></tr> <tr> <td>3.</td><td>Rainy</td><td>40</td><td>1</td><td>77</td></tr> </tbody> </table> |                   |                      | Sr.No. | Season | Flushing Purpose in KLD | Green area in KLD | Into MC Sewer in KLD | 1. | Summer | 40 | 12 | 66 | 2. | Winter | 40 | 4 | 74 | 3. | Rainy | 40 | 1 | 77 |
| Sr.No. | Season                                  | Flushing Purpose in KLD  | Green area in KLD | Into MC Sewer in KLD |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
| 1.     | Summer                                  | 40   | 12                | 66                   |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
| 2.     | Winter                                  | 40   | 4                 | 74                   |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
| 3.     | Rainy                                   | 40   | 1                 | 77                   |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
| 8.     | Rain water harvesting detail            | 5 Nos. rainwater harvesting will be provided for collection of rain water.   |                   |                      |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
| 9.     | Solid waste generation and its disposal | <p>a) 458 kg/day</p> <p>b) Solid wastes will be appropriately segregated (at source by providing bins) into Bio-degradable Components, and non bio-degradable and domestic hazardous waste.</p> <p>c) Garbage Chute will be provided for primary collection of solid waste.</p> <p>d) Mechanical composter of capacity 200 Kg per day will be provided for the Bio-degradable components.</p> <p>e) The recyclable waste will be sold to authorized recyclers.</p> <p>f) Inert waste will be dumped to authorized dumping site.</p>  |                   |                      |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
| 10     | Hazardous Waste & E-Waste               | <p>a. Used oil from DG sets will be sold to registered recyclers.</p> <p>b. E-waste will be managed through approved vendors and will be handled as per E-waste (Management) Amendment Rules, 2018</p>   |                   |                      |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |
| 11.    | Energy Requirements & Saving            | <p>a) 1000 KVA from PSPCL.</p> <p>b) 100 KW power will be generated through solar panels proposed on the 1156 rooftop area i.e. 30.6% of terrace. LED Lamps will be used for 218 no. flats.</p>  |                   |                      |        |        |                         |                   |                      |    |        |    |    |    |    |        |    |   |    |    |       |    |   |    |

|              |  |   |                                |              |                            |                                |              |               |           |           |           |   |           |           |
|--------------|--|---|--------------------------------|--------------|----------------------------|--------------------------------|--------------|---------------|-----------|-----------|-----------|---|-----------|-----------|
| 12.          | Environment Management Plan along with Budgetary break up phase wise and responsibility to implement | Mr. Rajnish Singla of M/s. GVT Infra will be responsible for implementation of EMP for 5 years and after the lapse of the period for which the project proponent is responsible, the welfare society of "Belliston Avenue" will be responsible for the same. The detail of the budgetary break up phase wise is as under:- <table><tr><td>Description</td><td>Capital Cost</td><td>Recurring Cost (per annum)</td><td>Monitoring of Air, Noise water</td></tr><tr><td>Construction</td><td>Rs. 178.5 lac</td><td>Rs. 7 lac</td><td>Rs. 1 lac</td></tr><tr><td>Operation</td><td>-</td><td>Rs. 8 lac</td><td>Rs. 1 lac</td></tr></table>   | Description                    | Capital Cost | Recurring Cost (per annum) | Monitoring of Air, Noise water | Construction | Rs. 178.5 lac | Rs. 7 lac | Rs. 1 lac | Operation | - | Rs. 8 lac | Rs. 1 lac |
| Description  | Capital Cost   | Recurring Cost (per annum)  | Monitoring of Air, Noise water |              |                            |                                |              |               |           |           |           |   |           |           |
| Construction | Rs. 178.5 lac  | Rs. 7 lac   | Rs. 1 lac                      |              |                            |                                |              |               |           |           |           |   |           |           |
| Operation    | -  | Rs. 8 lac   | Rs. 1 lac                      |              |                            |                                |              |               |           |           |           |   |           |           |
| 13.          | CSR activities alongwith budgetary break up and responsibility to implement                          | Mr. Rajnish Singla (Partner) of M/s. GVT Infra will be responsible for implementation of CSR (Corporate Social Responsibility) for 5 years. Rs. 2.5 Lakhs has been planned to be reserved for CSR. The following activities are covered under CSR: <ul style="list-style-type: none"><li>i. Provision of boundary wall, additional beautification &amp; plantation in nearby religious structure (Majjar) to have better community rapport: Rs. 1 lakh</li><li>ii. Organizing Environment Awareness, Sanitation, Swatchta Abhiyaan camps in nearby villages like Gazipur, Kishanpura etc. adjoining the project site: Rs. 75,000</li><li>iii. Provision of medicines in Govt. Dispensary, Dhakoli: Rs. 75,000</li></ul> |                                |              |                            |                                |              |               |           |           |           |   |           |           |

- As per Master Plan of Zirakpur, the project site falls within the Residential zone.

After presentation, SEAC raised the following queries: -

1. Space requirement calculations for storage & treatment facility for Solid Waste Management and their provisions to be submitted.
2. To clarify as to whether cavity wall as proposed in the presentation is to be provided at site.
3. To clarify why STP based on MBBR technology has been preferred over SBR technology.
4. To clarify as to whether no. of rain water recharging pits have been proposed based on MoEF Guidelines and what type of fertilizers /pesticides/ insecticides

will be utilized in the green area.

5. The project proponent has proposed CSR amount Rs.2.50 Lac towards CSR activities which is too less.

Sh. Rajnish Singla, Partner of M/s Gvt. Infra in reply to the above queries raised by the SEAC submitted an undertaking, which was taken on record by the SEAC. The undertaking submitted by project proponent states as under : -

1. That the company has submitted detailed calculations of the space requirement for storage & treatment facility of Solid Waste Management alongwith a layout plan on which area required for biodegradable (14 sqm), mechanical composter (3 sqm) & recyclable waste garbage i.e. non-biodegradable (3 sqm) earmarked separately which was taken on record by SEAC.
2. That the company will either use AAC Blocks (Fly ash bricks) or hollow concrete blocks and not the cavity walls for the purpose of outer wall work.
3. STP based on SBR technology will be provided instead of MBBR as quantity of effluent & pollution load will be significantly less in the initial stages of occupancy.
4. Yes, the calculation of providing rainwater harvesting pits is based on the MoEF Guidelines. Oil & Grease trap will be used before rain water recharging pits for green park areas. Only Bio-fertilizer will be used. No chemical pesticides/ chemical fertilizer will be used in the green park areas.
5. The company will spent total Rs. 10 Lac on account of following CSR activities during the next 5 years i.e. within the construction of the project.
  - a. An amount of Rs. 5 Lac will be deposited in Environment Protection Fund created by Punjab Pollution Control Board under Corporate Environmental Responsibility.
  - b. Remaining amount of Rs. 5 Lac will be spent as under: -
    - i. Provision of boundary wall, additional beautification & plantation in nearly religious structure (Majjar) to have better community rapport.
    - ii. Organizing environmental awareness sanitation, Swatcha Amhiyan, in nearby religious structure.
    - iii. Provisions of medicines in Govt. dispensary.

To another query of SEAC regarding the location of existing public/ Municipal sewer for the disposal of treated waste water, the project proponent replied

that existing sewer line is located at a distance of about 800 m away from the project location and Municipal Council, Zirakpur has given the permission vide letter no. 5749/BB dated 27.02.2018 to discharge treated waste water into its sewerage system. SEAC noted that at present, there is no MC Sewer in the area and no time frame has been proposed by Municipal Council, Zirakpur by which sewerage system is to be provided in the vicinity of the project. Moreover, project proponent has not clarified as to how project sewer line can be connected to the Municipal sewer line located at a distance of 800 m away from the project site, which may involve Govt./Pvt. Land and for which permission from the relevant authorities may be required.

After detailed deliberations, SEAC decided to defer the case and to ask the EO, Municipal Council Zirakpur to attend the next meeting of SEAC alongwith proposed approved/ draft planning to lay the sewer in Municipal Council areas.

Accordingly, Executive Officer, Municipal Council Zirakpur was requested vide letter no. 595 dated 07/05/18 to attend the next meeting of SEAC alongwith proposed approved/ draft planning to lay the sewer in Municipal Council areas.

The SEAC observed that no representative of project proponent is present to attend the meeting and EO, Municipal Council, Zirakpur has also not come to attend the meeting as asked by the SEAC. However, environmental consultant of the promoter company submitted a letter no 988 dated 16/05/2018 issued by Municipal Council, Zirakpur to the effect that the public sewer in the area is likely to be laid in the next two years. SEAC was not satisfied with the reply / said letter.

After detailed deliberations, SEAC decided to defer the case and to again ask the EO, Municipal Council Zirakpur to attend the next meeting of SEAC alongwith proposed approved/ draft planning to lay the sewer in Municipal Council areas.

In compliance to the aforesaid decision taken by SEAC, the EO, Municipal Council Zirakpur has been requested vide letter no 754 dated 18/06/2018, through whatsapp message 18/06/2018 to attend the 168<sup>th</sup> meeting of SEAC to be held on 22/06/2018 alongwith proposed approved/ draft planning to lay the sewer in Municipal Council areas.

The case is placed before SEAC for consideration.

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