Minutes of the 280th meeting of the State Level Expert Appraisal Committee held on 18/02/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.

The 280th meeting of the State Level Expert Appraisal Committee (SEAC) was held on 18th February, 2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar. Following members attended the meeting:

- 1. Shri V. C. Soni, Vice Chairman, SEAC.
- 2. Shri R. J. Shah, Member, SEAC.
- 3. Dr. V. K. Jain, Member, SEAC.
- 4. Shri V. N. Patel, Member, SEAC.
- 5. Shri Hardik Shah, Secretary, SEAC.

The agenda of TOR/Scoping/Category 8 (a)/TOR & EC amendment cases was taken up. Total Twenty Three (23) cases including sixteen TOR/Scoping cases, three appraisal cases, EC three amendment cases and one TOR amendment case were taken up. The applicants made presentations on the activities to be carried out along with other details furnished in the Form-1, Prefeasibility report and Form-1A.

| 1. | Shaligram Lakeview | R.S.No.510,526,529,532, O.P. No.82/1, | EC amendment |
|----|--------------------|---------------------------------------|--------------|
| | | Gandhinagar | |

The SEIAA, Gujarat has accorded environmental clearance to M/s Shrimate Infrastructure Pvt. Ltd. for the residential cum commercial building construction project at R.S.No.510, 526, 529, 532, O.P.No.82/1, F.P.No.82/1, Draft T.P.S.No.63, Vill: Khoraj, Dist:Gandhinagar vide order no. SEIAA/GUJ/EC/8(a)/219/2013 dated 22/07/2013 for the built up area of 72,443.49 m².

The project proponent in the name of M/s Shrimate Infrastructure LLP, vide their letter dated 13/04/2015 along with revised Form-I & Form-IA requested for amendment of Environmental Clearance order dated 22/07/2013. It was mentioned in the letter that as per the revised GDCR, they are able to get additional FSI and hence the built up area of the project will become 78,408.73 m² instead of 72,443.49 m² as per the Environmental Clearance granted vide order dated 22/07/2013.

The request for amendment in terms of proposed expansion was considered during meeting of SEAC held 28/07/2015. During the meeting held on 28/07/2015, it was presented that the built up area & number of units of the project are increasing because they can now purchase TDR (Transferable Development Right). Further it was noticed that the parking area proposed in the basement is more than the actual parking area available in the basement as per the project plans submitted by them. After detailed discussion, it was decided to further appraise the project only after submission of the following:

- 1. Realistic details on parking area provision for the project based on the actual parking area available in basement. Explore the possibility of increasing the parking area provision for the project and revised details on the same with complete back up calculation.
- 2. Permission from the concerned competent authority showing the availability of Transferable Development Right to the proposed project.
- 3. Certificate from a structural engineer stating that the existing foundation & design of the buildings are capable enough to bear the load of 12 storied structures.
- 4. Documentary evidences showing the change in project developers and NOC from M/s. Shrimate

Infrastructure Pvt. Ltd. for transferring the Environmental clearance granted for the project in the name of M/s Shrimate Infrastructure LLP.

5. Explore the possibility of reusing treated sewage for flushing purpose also by providing dual plumbing system.

Project proponent submitted the above mentioned details vide their letter dated 07/01/2016. It was presented that the basement area has increased and hence total parking area provision for the project will be 19,333.71 m² [14,248.22 m² in basement + 3,767.74 m² in hollow plinth + 1,317.75 m² as open surface parking] equivalent to 636 CPS against the NBC requirement of 515 CPS. They have requested to send the treated sewage into the nearby lake instead of using it for flushing purpose. They have submitted a certificate from a structural engineer stating that the existing foundation & design of the buildings are capable enough to bear the load of 12 storied structures. NOC from M/s. Shrimate Infrastructure Pvt. Ltd. for transferring the Environmental clearance in the name of M/s Shrimate Infrastructure LLP has also been submitted.

| Description | Details as per EC granted. | Details of the project after | |
|-----------------------------------|--|---------------------------------------|--|
| | | proposed changes. | |
| Name of the project | Shaligram Lake View | Shaligram Lake View | |
| Name of the developer | M/s Shrimate Infrastructure Pvt. Ltd. | Shrimate Infrastructure LLP | |
| Location address | R.S.No.510, 526, 529, 532, | R.S.No.510, 526, 529, 532, | |
| | O.P.No.82/1, F.P.No.82/1, Draft | O.P.No.82/1, F.P.No.82/1, Draft | |
| | T.P.S.No.63, Vill: Khoraj, | T.P.S.No.63, Vill: Khoraj, | |
| | Dist:Gandhinagar | Dist:Gandhinagar | |
| Plot area (sq. m.) | 20,651.0 | 20,651.0 | |
| Ground Coverage (sq. m.) | 5,582.41 | 5,712.93 | |
| Built – up area (sq. m.) | 72,443.49 | 78,408.93 | |
| FSI area (sq.m.) | 45,579.59 | 47,914.62 | |
| Number of buildings | 9 residential + 1 commercial | 9 residential + 1 commercial | |
| Number of Units | Total 498 units (396 residential | Total 515 units (396 residential | |
| | units + 102 commercial units) | units + 119 commercial units) | |
| No. of floors | Residential buildings – | Residential buildings – basement | |
| | basement + hollow plinth + 11 | + hollow plinth + 12 floors. | |
| | floors. Commercial building – | Commercial building – basement | |
| | hollow plinth + 6 floors. | + ground floor + 4 floors. | |
| Basement area (sq. m.) | 12,070.43 | 12,575.31 | |
| Hollow plinth area (sq. m.) | 3,934.58 | 4,167.33 | |
| Parking requirement as per NBC | 498 | 515 | |
| Parking area provided (sq m) | 18,875.47 (3,934.58 m ² in hollow | 19,333.71(14,248.22 m ² in | |
| and number of CPS | plinth + 12,070.43 m ² in | basement + 3,767.74 m^2 in | |
| | basement + 2,870.46 m^2 as | hollow plinth + 1,317.75 m^2 as | |
| | open surface parking) | open surface parking) | |
| Water requirement (KL/day) | 331.0 | 340.0 | |
| Waste water generation | 259.0 | 261.0 | |
| (KL/day) & mode of disposal | Sewage will be treated in the | It is proposed that the sewage | |
| | onsite STP and treated sewage | will be treated in the onsite STP | |
| | will be reused for the gardening/ | and treated sewage will be | |
| | plantation purpose. Remaining | reused for the gardening/ | |
| | quantity of treated sewage will | plantation purpose. Remaining | |
| | be discharged into the drainage | quantity of treated sewage will be | |
| | line of AUDA | discharged into the drainage line | |
| | | of AUDA | |
| | | 1 100 0 | |

The previous and the revised project details which are tabulated below:

| generation (kg/day) | | |
|-------------------------------|----------|---------|
| Total green belt area (sq.m.) | 1,909.65 | 3,195.0 |
| Tree covered area (sq. m.) | 1,190.07 | 1,325.0 |
| Lawn covered area(sq. m.) | 719.58 | 1,870.6 |

During the meeting, the project proponent was asked not to send the treated sewage into the nearby lake and to reuse it for flushing purpose within premises. After detailed discussion, it was decided to consider the project only after submission of the following:

- 1. Permission from the concerned competent authority showing the availability of Transferable Development Right to the proposed project.
- 2. Revised water balance details considering the reuse of treated sewage for flushing purpose as well.

| | | - | | <u> </u> |
|----|--------------|--------------------------------|----------------------------|-----------------|
| 2. | Star Ayodhya | B.No.59.P/2,60,61, O.P.No.27/ | [/] 1,28,29, F.P. | Appraisal case. |
| | | No. 37,41,42, R.S.No.49/2,49/3 | 3, T.P.No.19, | |
| | | Parvat – Magob, Surat. | | |

The project was taken up in the meeting of SEAC held on 28/10/2015. During the meeting held on 28/10/2015, the project proponent was suggested to provide STP for treatment of entire quantity of sewage to be generated during the operation phase of the project instead of providing STP for grey sewage. They were also suggested to increase the tree covered area. It was observed that the parking area proposed in basement is more than the actual parking area available in the basement. After detailed discussion, it was decided to further appraise the project only after submission of the following:

- Proposal for providing STP for treatment of entire quantity of sewage to be generated during operation phase instead of providing STP for grey sewage and details of Sewage Treatment Plant with its capacity, size of each unit, retention time and its location on the plan. Measures proposed to avoid odour nuisance due to the STP in operation phase. Revised water balance details considering the reuse of treated sewage for various purposes within premises. STP sludge management plan. Design details & drawings of dual plumbing system.
- 2. Land possession documents showing ownership of the applicant in case of B.No.60 & F.P.No.41, copy of permission obtained for non agricultural use of B.No.60 & F.P.No.41 or a copy of documents showing the correspondences made in this regard and copy of agreement made between the land owners & developers (if any).
- 3. Details on ventilation, lighting arrangements and CO sensors to be provided in the basement.
- 4. Revised details on parking area provision based on the actual parking area available in the basement. (to see presentation that the same details are there)
- 5. Detailed green belt development plan including area of tree plantation, its demarcation on the map, number and types of trees and budget allocation thereof. Also provide the break-up of the greenbelt viz. the tree covered and lawn covered area within premises.
- 6. Details of fire fighting system including location of fire water tanks & capacity, separate power system for fire fighting, automatic sprinkler system, fire detection system with alarms & automatic fire extinguishers, location of fire lift and fire retardant staircases, details of qualified and trained fire personnel & their job specifications, nearest fire station & time required to reach the proposed site etc. Calculation and provision of minimum fire water requirement based on fire study as well as the availability of external fire fighting facility.

The project proponent submitted the above mentioned details vide their letter dated 13/01/2016.

The project was appraised based on the details submitted as well as facts presented before the committee.

It was presented that STP of 500 KL/day capacity will be provided. From the total water requirement of 410.0

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KL/day, fresh water requirement of 171.5 KL/day will be met through water supply from SMC and remaining quantity of water requirement for gardening & flushing within the premises will be met through treated sewage. Remaining quantity of treated sewage will be discharged into the drainage line of SMC. They have submitted an order, dated 28/11/2015 from Deputy Collector, City Branch Surat, giving permission for sale of N.A land of Block No. 60 for commercial use in the name of M/s Star Worldwide, a partnership firm through its partners including the name of applicant. Plans showing arrangements of ventilation, lighting & CO sensors have been submitted by them. Total parking space of 53,630.88 m² including 15,382.32 m² as mechanical parking in 1st level basement will be provided. 2 nos. of underground water storage tanks each of 75 KL, overhead water tank of 35 KL, 8 nos. of DCP type (5 kg capacity) & 8 nos. of CO₂ type fire extinguishers (4.5 kg) on each floor, fire alarm with manual call point & sounders, automatic sprinkler system in basement, hose reel, fire hydrants etc. will be provided for firefighting purposes. After discussing the project in detail, it was decided to consider the project only after submission of the following:

1. Copy of permission obtained from the concerned authority for the proposed FSI.

| 3. | Shapers Buildcon | F.P.No.40+44, BL.No.14, T.P.S.No.75, | Appraisal case. |
|----|------------------|--------------------------------------|-----------------|
| | | Hanspura-Muthiya, Ahmedabad. | |

The project was taken up in the meeting of SEAC held on 19/08/2015. During the meeting held on 19/08/2015, it was noticed by the committee that the parking area requirement for commercial units was not calculated properly as per the provisions of NBC norms. They were also suggested to explore the possibility of increasing the parking area provision for the project. Further it was noticed that land possession documents submitted do not show the ownership of M/s Shapers Buildcon and hence the project proponent was asked to submit the documentary evidences showing the ownership of the applicant i.e M/s Shapers Buildcon. While discussing about the availability of water supply & drainage connection to the project, it was reported by the project proponent that the project site is covered under the T.P. scheme of AMC and the water supply as well as drainage connection will be available to the project at the time of getting B.U. permission. After detailed discussion it was decided to further appraise the project only after submission of the following:

- 1. Explore the possibility of increasing the parking area provision for the proposed project. Revised details on parking area provision for the project based on the actual parking area requirement for commercial & residential units of the project as per the NBC norms.
- 2. Details on break-up of the greenbelt in terms of the tree covered area, lawn covered area and the area covered by shrubs & bushes.
- 3. The details of the basic amenities and welfare facilities to be provided to the construction workers to ensure that they do not ruin the existing environment.
- 4. Documentary evidences showing ownership of the project site by M/s Shapers Buildcon or a copy of agreement made by M/s Shapers Buildcon with the land owners for development of the proposed project.
- 5. Status of availability of water supply, drainage connection & municipal solid waste collection facility to the proposed project with supporting documents.

Project proponent submitted the above mentioned details vide their letter dated 04/02/2016. They have submitted a copy of receipt obtained from the AMC against the charges paid by them. It was presented that they will provide parking space of 6,500 m² equivalent to 247 CPS which includes 4,768.81 m² in basement + 2,259.34 m² as open surface parking. Further it was presented that all the 111 residential units are duplex type bungalows which will have individual parking space within their own premises.

| Sr. | Particulars | Details | | | | |
|------|---------------------------|--|--|----------------------------------|--|--|
| INO. | Dropogal in for | Now Project | | | | |
| 1. | Tupo of Project | New Project Residential our Commercia | New Flojeci Residential cum Commercial Ruilding Project | | | |
| 2. | Project / Activity | Project /Activity No. 8(a) | ii bullullig Flojeci | | | |
| 5. | | Floject/Activity No. o(a) | | | | |
| | [8(a) or 8(b)] | | | | | |
| 4. | Name of the | Residential cum Commercia | I Building Project | | | |
| | project | | | | | |
| 5. | Name of | Shapers Buildcon | | | | |
| 0 | Developer | De 000 Orene e | | | | |
| 6. | Estimated Project Cost | RS. 200 Crores | | | | |
| | (Rs. In Crores) | | | | | |
| 7 | Whether | No | | | | |
| | construction | | | | | |
| | work has been | | | | | |
| | initiated at site? | | | | | |
| | If yes, details | | | | | |
| - | thereof | | | | | |
| 8. | Project Details | • Land / Plot Area (m ²): 27,4 | 38.00 | | | |
| | | • FSI area (m^2) : 32,473.50 | 00 | | | |
| | | • Non FSI area (m): 16,914. | .90 | | | |
| | | • Total BOA (III). 39,151.11 | | | | |
| | | | Permissible | Proposed | | |
| | | FSI Area (m ²) | 49,388.40 | 32,473.50 | | |
| | | Ground Coverage, (m ²) | - | 10,440.09 | | |
| | | Common Plot Area, (m ²) | 2,743.80 | 2,762.31 | | |
| 0 | Building Dotails | Nax. building height, (m) | roiol buildingo 8 111 | | | |
| 9. | Building Details | No. of Blocks : 2 commercial | iol buildings & 111 | | | |
| | | Scope of buildings/blocks : | 2 commercial buildin | $a_{\rm S} = Ground floor \pm 6$ | | |
| | | floors. 111 nos. of resident | ial units of ground floo | r + 2 floors. | | |
| | | No. of Residential Units : 1 | 11 duplex type bunga | alows. | | |
| | | • No. of commercial units: 17 | 74 shops | | | |
| | | • Details of amenities if any : | 1 society office. | | | |
| 10. | No. of expected | Total : 1188 Nos. | - | | | |
| | residents / | | | | | |
| 44 | USERS | |) 50.0 | | | |
| 11. | vvater & waste | • vvater requirement (KL/day | /):56.3 | | | |
| | during | • Source of water : Local wa | ter tankers | | | |
| | construction | Waste water generation quantity (KL/day) : 5.04 | | | | |
| | phase | Mode of disposal : Septic tank to soak pit | | | | |
| | | Details of reuse of water, if any : No | | | | |
| 12. | Water & waste | Fresh water requirement (F | KL/day) : 114 | | | |
| | water details | Source of water: AMC wate | er supply system | | | |
| | ouring operation | Waste water generation qu | antity (KL/day) : 87 | | | |
| | Pliase | Mode of disposal : Domest | ic wastewater will be | discharged into the AMC | | |
| | | sewerage line. | | | | |
| 13. | Status of water | AMC water supply & drainag | ge lines are available | in the area. | | |
| | supply and | | | | | |
| 4.4 | drainage line | O su structi - Di | | | | |
| 14. | Solia waste | Construction Phase: | | | | |

| Top Soil 7.60 100 % reuse For garden development Other 50 % reuse Send to the |
|---|
| Other 50 % reuse Send to the |
| excavated earth 24.2 for back filling nearest collection the low lying areas point of AMC |
| Construction debris30% reuse for internal roads & pavement developmentSend to the nearest collection point of AMC |
| Steel scrap 3.6 30% reuse Sell to Actual Users |
| Discarded packing 1.2 - Sell to Actual Users |
| Total solid waste will be (100 workers x 500 gm/person/) 50 kg/day & it will be disposed off at the nearest collection point of AMC. |
| Operation Phase: |
| Type of waste Generation Mode of Mode of Disposal / Quantity waste Reuse (Kg/day) collection |
| Dry waste -Papers, cartons, thermocol, plastic, polythene etc.Organic waste and lnorganic waste and lnorganic waste will be |
| Wet waste -Waste vegetable and food |
| Details of segregation if to be done: Collection of organic and inorganic waste will be in separate buckets. Capacity and no. of community bins to be placed within premises: 30 Bins with 80 litres volume each |
| LandTIII site where waste will be ultimately disposed by local authority: the nearest collection point of AMC. |
| 15. Parking Details Total parking area requirement for the project as per GDCR: 6,494.07 m² Total number of CPS requirement for the project as per NBC : 198 Total Parking area provided (m²) & No. of CPS: 6,500.0 & 218 CPS Parking area provided in basement (m²) & No. of CPS: 4,768.81 m² & CPS 149 Parking area provided as open surface (m2) & No. of CPS: 2,259.34 m² & CPS 98. |
| 16. Traffic Management Width of adjacent public roads : 60.0 m wide TPS Road Number of Entry & Exit provided on approach road/s: One main entry/exit |

| | | and tw | and two other gates for entry /exit into basement. | | | | | |
|-----|---|-----------------------------|---|----------------------|-------------------|----------------|---------------|--|
| | | Width | of Entry & Exit | provided on a | pproach road/s | : 9.0 m & 4.5 | m | |
| | | Minim | • Minimum width of open path all around the buildings for easy access of fire | | | | ccess of fire | |
| | | tende | tender (excluding the width for the plantation) : 3 m | | | | | |
| | | Width | • Width of all internal roads : 9.0 m & 7.5 m | | | | | |
| 17. | Details of Gree | n The tra | nsformers and r | notors will be | provided having | g minimum e | fficiency of | |
| | Building | 85%. U | se of CFL or so | lar lights in the | e common area | . Use of light | colors to | |
| | measures | reduce | the light absorp | tion and minir | nize the cooling | g requirement | will be | |
| | proposed. | used fo | r the walls and | ceiling. Rain w | ater harvesting | g through gro | und water | |
| | | recharg | je. | | | | | |
| 18. | Energy | Powe | r supply : by To | rrent Power Li | mited | | | |
| | Requirement, | Maxin | num demand : 9 | 00 KW | | | | |
| | Source and | Conne | ected load : - | | | | | |
| | Conservation | Source | e : Torrent Pow | er Limited | | | | |
| | | Energy | y saving meas | ures: The tra | nsformers and | motors will | be provided | |
| | | havin | g minimum effi | ciency of 85° | %. Use of CF | L or solar I | ights in the | |
| | | comm | on area. Use | of light color | rs to reduce t | he light abs | orption and | |
| | | minim | ize the cooling i | requirement w | ill be used for t | he walls and | ceilina. | |
| | | • DG S | ets · No | | | | g | |
| 19 | Fire and Life | Fire ext | tinguishers at ea | ach floor of co | mmercial buildi | na underaro | und fire | |
| 10. | Safety | water s | torage tank of 5 | 0 KI & terrace | e fire water stor | age tank of 1 | 0 KL on | |
| | Measures | both th | e commercial bu | uildings. | | age tant of 1 | | |
| 20. | Details on stair | case | | 0 | | | | |
| | | No. of | Eleor area | No. of | Width of the | Travel | | |
| | f ype & no. | floors | m^2 | staircase | staircase(m) | distance | | |
| | or buildings | 10013 | 111 | 314110430 | Stancase(III) | (m) | | |
| | A | <u>G.F.+6</u> | 1107.96 | 2 | 1.52 | 25 | | |
| | B | <u>G.F.+6</u> | 619.06 | 2 | 1.52 | 25 | | |
| 01 | One staircase | will be prov | ided in each ind | IIVIdual reside | ntial unit. | | | |
| 21. | Harvosting | Level of | the Ground wa | ter table: 50 m | | | | |
| | (RWH) | • No. & d | • No. & dimensions of RWH tank(s):2 Nos. (15.0m x 6.0m x 12.0m & 16.0 m x | | | | | |
| | ((((((()))))))))))))))))))))))))))))))) | 6 m x 12 | 2m) | | | | | |
| | | No. and | depth of percol | ations wells: 7 | ' Nos | | | |
| | | Details | on Pre-treatmer | nt facilities: Filt | ration & oil & g | rease remova | al. | |
| 22. | Green area | Tree co | overed area (m ²) | :1,550.0 | | | | |
| | details | Area co | overed by shrub | s and bushes | (m²): | | | |
| | | • Lawn c | overed area (m ² | ²):100.0 | | | | |
| | | Total G | reen Area (m ²): | 1.650.0 | | | | |
| | | • Green | Area % of plot a | rea:6% | | | | |
| | | No of | trees and sne | cies to he r | lanted:412 tre | es of Asona | alav Neem | |
| | | Gulmoh | ar & other local | snecies | | | | |
| 22 | Budgotony | | | MSW mon | acmont cow | an disposa | l groopholt | |
| 23. | allocation for | | 5. 20 lacs lui | horycoting 8 | agement, sewa | aye uispusa | i, greenbeit | |
| | Environmenta | developh | ient, rain water | naivesting & g | giound water re | charge etc. | | |
| | | | | | | | | |
| | Plan | | | | | | | |
| | (Rs. in lacs) | | | | | | | |
| 24. | Proposed | Water sp | oraying, PUC o | compulsion fo | or vehicles, co | vered shed | for cement | |
| | dust control | loading a | ctivity, covering | all the loose | material with ta | rpaulin durin | g stacking & | |
| | measures | transport | ation etc. | | | | | |
| | during the | | | | | | | |
| | construction | | | | | | | |

| | phase | |
|-----|---|--|
| 25. | Eco friendly building material usage details. | Use of Ready Mix Concrete (RMC). |
| 26. | Details of basic amenities to be provided to construction workers. | Drinking water, sanitary facility, free of cost doctor service, all the required personal protective equipments etc. |
| 27. | Documents related to land possession | Copies of 7/12 & N.A order submitted shows the N.A land for residential & commercial use in the name of Mr. Kiritkumar Dwarkadas Patel & others. Copy of partnership deed of DLH Developers has been submitted showing the name of land owners & applicant as partners of the company. |

During the meeting, it was presented that instead of M/s Shapers Buildcon, which was a proprietary firm of the applicant Mr. Laxmanbhai H. Vekariya, now the project will be developed by M/s DLH Developers and the applicant is a partner of M/s DLH Developers. During the meeting, after detailed discussion, it was decided to consider the project only after submission of the following;

1. Revised Form I & Form IA with reference to the change in the name of project developer.

| 4. | Residential Building | F.P.No.141, R.S.no.471, T.P.S.No.42, Sola – | Screening & | scoping / | <i>,</i> |
|----|------------------------|---|-------------|-----------|----------|
| | M/s Saffalya Infra LLP | manej, Annedabau | applaisai | | |

| Sr No | Particulars | Details |
|---------|--|---|
| 1 | Proposal is for | New Project |
| 1. 2 | Tupo of Project | Residential Building Construction Project |
| 2. | Droject / Activity | |
| 3. | No. [8(a) or 8(b)] | o (a) |
| 4. | Name of the project | Residential Building Construction Project |
| 5. | Name of Developer | M/s Saffalya Infra LLP |
| 6. | Estimated Project Cost (Rs. In Crores) | Rs . 100 Crore |
| 7. | Whether construction work has been initiated at site? If yes, details thereof | No |

| 8. | Project Details | Land / Plot A | ea (m²): 7,83 | 0.0 | | | |
|-----|-------------------|---|------------------------|-----------------------------------|---------------------------|--|--|
| | | • FSI area (m ²): 21.609.05 | | | | | |
| | | • Total BUA (m ²): 36.551.26 | | | | | |
| | | |): 00,001.20 | | | | |
| | | | | Permissible | Proposed | | |
| | | ESLArea m ² | | 21609.05 | 21 609 05 | | |
| | | | | (including | 21,000100 | | |
| | | | | chargeable | | | |
| | | | | permissible ES | SI I | | |
| | | | | under TOZ) | | | |
| | | | | | | | |
| | | Ground Cove | rage, m ² | - | 3.679.19 | | |
| | | Common Plot | Area. m ² | 783.0 | 783.94 | | |
| | | Max. building | height. m | 30.0 | 29.89 | | |
| 9 | Building Details | No. of Buildin | as: 5 | | | | |
| 0. | Dananig Dotalio | No. of Blocks | · q | | | | |
| | | Scope of built | . u dinas/blocks: l | Basamant ±hollow | plinth +7 floors | | |
| | | No of Reside | ntial Unite: -2 | 58 | | | |
| | | Dotails of am | onitios if any: | - | | | |
| | | | ennies ir arry. | - | | | |
| 10 | No. of expected | 2919 persons | | | | | |
| 10. | residents / users | | | | | | |
| 11. | Water & waste | Water require | ment (KI /dav |). 46 1 | | | |
| | water details | Source of way | ter: Water tan | kers | | | |
| | durina | Waste water | apperation au | antity (KI /day): 4.8 | 8 | | |
| | construction | Mode of disp | sel: Sentic ta | nk to soak nit | | | |
| | phase | Details of rou | so of water if | anv: No | | | |
| 12 | Water & waste | Erosh water r | <u>se of water, if</u> | $\frac{1}{1}$ | | | |
| 12. | water details | Source of water 1 | equitement (r | (1/udy). 213.0 | | | |
| | during operation | Source of wa | apportion au | er Suppry antity (KL/day): 169 | 2 0 | | |
| | phase | Mode of disposal: Sowage to be generated will be displayed into AMC | | | | | |
| | pridoo | | Sal. Sewaye | to be generated wi | II be discharged into AMC | | |
| 12 | Status of wator | | , only and AMC | soworago lino will | be available during the | | |
| 13. | Status of Water | ANIC water sup | | sewerage line will | be available during the | | |
| | drainage line | | с. | | | | |
| 14 | Solid waste | Construction P | hase: | | | | |
| | Management | Description | Generation | Quantity to be | Mode of Disposal / | | |
| | | Decemption | (kg/day) | reused (kg/dav) | Reuse | | |
| | | Top Soil | 200 | 100 % reuse | For garden | | |
| | | | | | development | | |
| | | Other | 760 | 80 % reuse for | Remaining will be send | | |
| | | excavated | | back filling & | to the nearest | | |
| | | earth | | internal road | collection point of AMC | | |
| | | | | development | | | |
| | | Construction | 80.5 | 30% reuse for | Remaining will be send | | |
| | | debris | | development of | to the nearest | | |
| | | internal road & collection point of AMC | | | | | |
| | | pavement. | | | | | |
| | | Steel scrap | 4.0 | 30% reuse | Sell to Actual Users | | |
| | | Discarded | 1.2 | - | Sell to Actual Users | | |
| | | packing | | | | | |
| | | materials | | | | | |
| | | Total | Solid Waste | shall (95 workers x | 500 gm/person/) | | |
| | | 47.5 kg/day | and it will be | collected in the bir | ns to be provided within | | |
| | | | | premies. | | | |

| | | Operation Phase | : | | | |
|----------|---|--|---|--|---|--|
| | | Type of waste | Generation Quantity (Kg/day) | Mode of waste collection | Mode of Disposal / Reuse | |
| | | Dry waste -Papers, cartons, thermocol, plastic, polythene bags, glasses etc. Wet waste -Waste vegetable and food | 1100 | Organic waste and In organic waste will be collected in different buckets. | The recyclable waste will be sold off to recyclers. The non recyclable solid waste to be generated will be transferred to the nearest collection point of AMC. | |
| | | Details of segre waste will be in AMC Capacity and ne Volume of Bins Landfill site whe the nearest MS | egation if to be different buc o. of commun : 80 Lit each f ere waste will W collection/ | e done: collection kets and it will be ity bins to be plac for Residential be ultimately disp dumping site of A | of organic and inorganic subsequently collected by ced within No of Bins: 34; posed by local authority: At | |
| 15. | Parking Details | Parking area re Parking area re Total number o Total number o 172 Total parking area re m² & 215 CPS | quirement for quirement for f CPS require f CPS require rea provided f | the project as per residential units ment for the project ment for the resident | er GDCR: 4,418.55 m ² as per GDCR: 4418.55 m ² ect as per NBC : 172 dential units as per NBC : per GDCR & NBC: 6,690.26 | |
| | | Parking area pr CPS Parking area pr 51 CPS | ovided in bas ovided in holl | ement (m²) & No low plinth (m²) & t | . of ECS: 5,260.84 m ² & 164 No. of ECS: 1,429.42 m ² & | |
| 16. | Traffic Management | Width of adjacent public roads: 12 m wide TPS Road Number of Entry & Exit provided on approach road/s: 2 gates will be provided. Width of Entry & Exit provided on approach road/s: 7.5 m Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4m Width of all internal roads: 7.5 m | | | | |
| 17. | Details of Green Building measures proposed. | Use of transform CFL or solar ligh light absorption a walls and ceiling | ers and moto t in the comm and minimize , rain water ha | rs having minimu on areas, use of the cooling requir arvesting through | m efficiency of 85%, use of light colors to reduce the ement will be used for the ground water recharge etc. | |
| 18. | Energy Requirement, Source and Conservation | Power supply: I Maximum dema Connected load Source : Torrer | by Torrent Po and: 900 KW d: - nt Power Limit | wer Limited | - - | |
| <u>.</u> | | Energy saving I | measures: Us | se of transformers | and motors having | |

| | | minir | num efficiency | of 85%, use of | CFL or solar lie | aht in the co | mmon areas. | | |
|-----|--|---------------------------|---|-------------------|-------------------|---------------|-------------|--|--|
| | | use o | use of light colors to reduce the light absorption and minimize the cooling | | | | | | |
| | | requi | requirement will be used for the walls and ceiling. | | | | | | |
| | | • DG 5 | DG Sets: No | | | | | | |
| | No. and capacity of the DG sets: NA quantity: NA | | | | | | | | |
| 19. | Fire and Life | Fire ex | ctinguishers at e | each floor, und | lerground fire w | ater tank of | 5 KL & | | |
| | Safety | terrace | e water tank of 2 | 20 KL on each | block. | | | | |
| | Measures | | | | | | | | |
| 20. | Details on sta | ircase | | | | | | | |
| | Type & no. | No. of | Floor area | No. of | Width of the | Travel | | | |
| | of buildings | floors | m ² | staircase | staircase(m) | distance | | | |
| | | | | /Lift | | (m) | | | |
| | A + B | G.F.+7 | 595.40 | 2 /4 | 1.52 | <25 | | | |
| | C+ D | G.F.+7 | 536.25 | 2 /4 | 1.52 | <25 | | | |
| | E + F | G.F.+7 | 595.73 | 2 /4 | 1.52 | <25 | | | |
| | G + H | G.F.+7 | 838.85 | 2 /4 | 1.52 | <25 | | | |
| | I | G.F.+7 | 446.05 | 1/2 | 1.52 | <25 | | | |
| 21. | Rain Water | Leve | Level of the Ground water table: | | | | | | |
| | Harvesting | • No. 8 | No. & dimensions of RWH tank(s) : 2nos (15.0m x 6.0m x 12.0m) | | | | | | |
| | (RWH) | • No. a | and depth of per | rcolations well | s : 2 nos & up te | o undergrou | nd II and | | |
| | | river | river (aquifer) | | | | | | |
| | | Deta | ils on Pre-treatr | nent facilities : | Filtration & oil | & grease rer | noval. | | |
| 22. | Green area | • Tree | • Tree covered area (m ²) : 469 | | | | | | |
| | details | Area | Area covered by shrubs and bushes (m²): 100 | | | | | | |
| | | Lawr | • Lawn covered area (m ²): | | | | | | |
| | | Total | • Total Green Area (m ²): 569 | | | | | | |
| | | • No. c | of trees and spe | cies to be plar | nted: 118 trees | of local spec | cies. | | |
| 23. | Budgetary | (Pleas | ase specify the activities and break up of budget allocation) | | | | | | |
| | allocation for | Total 1 | Total 18.7 lacs will be used for sewage disposal, MSW collection & | | | | | | |
| | Environmenta | ^{II} dispos | disposal, rain water harvesting & ground water recharge, green belt | | | | | | |
| | Plan | develo | development. | | | | | | |
| | (Rs in lacs) | | | | | | | | |
| 24. | Proposed dus | t All the | loose material | either stacked | or transporte w | ill be provid | ed with | | |
| | control | suitab | suitable covering such as targaulin. Water sprinkling on roads & | | | | | | |
| | measures | constr | uction material | evcent comen | t | g on roads c | * | | |
| | during the | Consti | | except cemen | ι. | | | | |
| | construction | | | | | | | | |
| | phase | | | | | | | | |
| 25. | Eco friendly | Use of | Ready Mix Co | ncrete (RMC) | & flay ash pave | r blocks. | | | |
| | building mate | rial | | | | | | | |
| | usage details. | | | | | | | | |

During the meeting, the project proponent was suggested to increase the parking area provision for the project. Further they were suggested to explore the possibility of using solar energy for the proposed project. After detailed discussion, it was decided to consider the project only after submission of the following:

- Land possession documents showing the ownership of land by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site or a copy of documents showing the correspondences made in this regard and a copy of agreement made between the land owners & developers (if any).
- 2. Explore the possibility of increasing the parking area provision for the project and revised details on

parking area provision considering the same with back up calculation & parking plans.

- 3. Revised layout plan showing adequate margin all round the periphery for easy unobstructed movement of fire tender without reversing.
- 4. Details of the basic amenities and welfare facilities to be provided to the construction workers to ensure that they do not ruin the existing environment.
- 5. Details on use of solar energy in the form of solar lights, solar water heaters, solar panels etc.

| 5. | Building construction | Block No: 180 paikee 21 & 180 paikee 23, Moje: Motamava, Dist: Rajkot | Screening & appraisal | scoping | / |
|----|-----------------------|--|-----------------------|---------|---|
| | Housing Board. | | appraidai | | |

| Sr. No | Particulars | Details |
|-----------|-------------------------|--|
| 110. | | |
| 1. | Proposal is for | New Project[SIA/GJ/NCP/884/2015] |
| 2. | Type of Project | Residential project |
| 3. | Project / Activity | 8 (a) |
| | No. [8(a) or 8(b)] | |
| 4. | Name of the project | Residential high rise Building Construction project under |
| | | Mukhyamantri Gruh Yojana |
| 5. | Name of Developer | Gujarat Housing Board. |
| 6. | Estimated | Rs. 178 Crore approx. |
| | Project Cost | |
| | (Rs. In Crores) | |
| 7. | Whether construction | No |
| | work has been | |
| | initiated at site? | |
| | If yes, details thereof | |
| 8. | Project Details | • Total land area (m ²): 29,531.76 |
| | | • FSI area (m ²): 86,341.94 |
| | | • Built-up Area in m ² : 1,10,426.37 |
| 9. | Building Details | No. of Buildings: 17 |
| | | No. of Blocks: 17 |
| | | Scope of buildings/blocks: Ground floor + 14 floors. |
| | | No.& size of Residential Units: 1164 units and |
| | | Details of amenities if any: Required Amenities will be provided |
| 10. | No. of expected | 4656 =(1164 x 4) residents |
| | residents / users | |
| 11. | Water & waste | Water requirement (KL/day): 14.0 |
| | water details | Source of water: Local water tankers |
| | during | Waste water generation guantity (KL/day): 7.5 |
| | construction | Mode of disposal: Into septic tank / soak pit system. |
| | phase | Details of reuse of water, if any: No |
| 12. | Water & waste | Fresh water requirement (KL/day): 639.92 |
| | water details during | Source of water: RUDA water supply system. |
| | operation phase | • Waste water generation quantity (KI /day): 505 248 |
| | | Mode of disposal: Into drainage line of RUDA |
| 13 | Status of water | Available in the area. |
| | supply and drainage | |
| | line | |

| 14. | Solid waste | Construction Ph | ase: | | | | |
|-----|---------------------------------------|---|--|--|--|-------------------------|--|
| | Management | | Generation (m ³) | Quantity to be reused (m ³) | Mode of Disposal / Reuse | | |
| | | Top Soil | 5,755 | 5,755 | Will be used for greenbelt development. | | |
| | | Other excavated earth | 2,014 | 2,014 | Will be reused for back filling, plinth filling & internal road development. | | |
| | | Construction debris | What so ever | What so ever | Will be refilled at low lying areas within premises. | | |
| | | Steel scrap | Send to recy | cler | | | |
| | | Discarded packing materials | Cement bags cardboard pa to recyclers. | s, waste pape acking materi | er and al will be sold off | | |
| | | Type of waste | Generation | Mode of | Mode of | | |
| | | | Quantity (Kg/day) | waste collection | Disposal / Reuse | | |
| | | Dry waste & Wet waste | 2328 kg | Into separate bins | Sold to vendors | | |
| | | | | having storage capacity 0.5 m ³ | Final disposal into RUDA bins | | |
| | | Details of segre Capacity and r 34 nos. x 100 l kept Final disposal Waste Manage | egation if to be no. of communi Liter bins + on by local author ement Authorit | done: yes ity bins to be e container t ity: final disp ty. | placed within prei ype MSW collecto osal through RUD | mises: or to be A | |
| 15. | Parking Details Traffic Management | Total parking a 14,048.76 m². Total parking a | irea requireme | nt for the pro | ject as per GDCR | | |
| | | Total parking area requirement for residential units as per GDCR: 12,480.94 m² Total parking area requirement for the commercial units as per | | | | | |
| | GDCR: 1,567.825 m ² | | | | | | |
| | | Total number of Total number of 582 | of CPS require | ment for the ment for resid | project as per NB dential units as pe | er NBC | |
| | | Total number of CPS requirement for the commercial units as per NBC ·24 | | | | | |
| | | Total Parking a CPS | area provided (| m ²) & No. of | CPS:15,156.42 m | n ² & 606 | |
| | | Parking area | provided as HI | P surface (m | ²) & No. of CPS: 6 | 6,619.43 | |

| | | m ² & 236 CPS. |
|-----|------------------------|--|
| | | • Parking area provided as open surface (m ²) & No. of CPS: 8,536.99 m ² & 370 CPS. |
| 16. | Traffic Management | Width of adjacent public roads: 24 m and 18 m wide road |
| | _ | Number of Entry & Exit provided on approach road/s: Total two |
| | | gates will be provided. |
| | | • Width of Entry & Exit provided on approach road/s: 6m & 7.5 m |
| | | Minimum width of open path all around the buildings for easy |
| | | access of fire tender (excluding the width for the plantation): 3m |
| | | • Width of all internal roads: 6.0 m |
| 17. | Details of Green | Maximum use of natural lighting through architectural design, energy |
| | Building measures | efficient motors & pumps, water efficient taps, maximum use of |
| | proposed. | aerated blocks, use of LED lighting fixtures and low voltage lighting, |
| | | solar lighting in open and landscape areas- 10 nos. of solar lighting, |
| | | roof top thermal insulation etc. |
| 18. | Energy Requirement, | Power supply: |
| | Source and | Maximum demand: 6000 KVA |
| | Conservation | Connected load: |
| | | Source: PGVCL |
| | | % of saving with calculations: ~20% by use of LED and star |
| | | rated energy efficient electronic consumer durables |
| | | Compliance of the ECBC guidelines (Yes / No), if yes, |
| | | compliance in tabular form: only roof area |
| | | • DG Sets: |
| | | No. and capacity of the DG sets:2 × 100 KVA |
| 10 | | Fuel & its quantity: HSD, 10 litre/hr |
| 19. | Fire and Life Safety | • During Construction Phase: Provision of Personal Protective |
| | weasures | Equipment's (PPEs) and its usage shall be ensured and |
| | | supervised, training on construction safety aspects, first aid room |
| | | with first and kit, doctor & ambulance service. |
| | | • During operated electric fire alarm system underground static water |
| | | storage tank-100 KL terrace tank -50 KL etc |
| 20. | Details on staircase | 2 nos, of staircases of 2.0 m width will be provided in each of the |
| | | building block. |
| 21. | Rain Water | Level of the Ground water table: 20 m |
| | Harvesting | No. & dimensions of RWH tank(s) : |
| | (RWH) | No. and depth of percolations wells : 6 Nos and 15 m |
| | | • Details on Pre-treatment facilities : oil and grease removal and filter |
| 22. | Green area details | • Tree covered area (m ²) : 1,394.40 |
| | | • Lawn covered area (m ²): 1,675.51m ² |
| | | • Total Green Area (m ²): 3,069.91 |
| | | Green Area % of plot area: 10% |
| | | • No. of trees and species to be planted: 240 -number of trees of |
| | | Limbdo, Pipal, Asopalav and Gulmohar |
| 23. | Budgetary allocation | Spraying of water, peripheral barricading, covered shed for cement |
| | for | loading area, covering the excavated earth with tarpaulin sheet etc. |
| | Environmental | |
| | Management | |
| | Plan (Rs. in lacs) | |
| 24. | Dust control | Capital cost of Rs. 13.0 lacs and recurring cost of Rs. 10.0 lacs has |
| | measures | been allocated towards purposes like rain water harvesting & ground |
| | | water recharge, greenbelt development, environment monitoring & |
| 05 | | management, waste management etc. |
| 25. | Details of ecofriendly | Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use |

| | Building materials | of RMC, lead free paints etc. |
|-----|---|---|
| 26. | Details of basic amenities to be provided to construction workers. | Sanitation facilities & welfare facilities as per the Gujarat Building & Other Construction Workers Rules. |
| 27. | Documents related to land possession. | NA order & village form no. 7/12 submitted by them shows that the land is in the name of Executive Engineer of Gujarat Housing Board. |

During the meeting, looking to the magnitude of the project & water crisis in the region, the project proponent was suggested to provide Sewage Treatment Plant for treatment of sewage to be generated during the operation phase and to reuse treated sewage within premises in order to reduce fresh water consumption. After detailed discussion, it was decided to consider the project only after submission of the following:

- 1. Project plans showing building wise & floor wise total built up area, FSI area, Floor area tables & plot area statement of the project.
- 2. Explore the possibility of increasing the parking area provision for the project and revised details on parking area provision considering the same with back up calculation & parking plans.
- 3. Explore the possibility of providing STP for treatment of sewage to be generated during the operation phase of the project and to reuse treated sewage within premises for purposes like flushing, gardening etc. Details of the STP with size of each unit, its location on the plan and its adequacy. Measures proposed to prevent odor nuisance due to the STP operation. Provision of dual plumbing for reuse of treated sewage for flushing. STP sludge management plan. Details on budgetary allocation for the proposed STP & dual plumbing system.

| | 0, | | |
|----|--------------------|---|----------------------|
| 6. | M/s. Hindva Dreams | Block No194, 198, 199, 201, 202, 203, 204, 205, 206, Sub Plot No.1 Industrial Sub Plot No 2 Commercial, Village:-Dhoran Pardi, Taluka:-Kamrej, Dist.: Surat | Screening & scoping. |
| | | | |

This a proposed Industrial Park with 8 MLD CETP. Proposed industrial park & CETP falls in the project activity no. 7(c) & 7(h) respectively as per the Schedule annexed with the EIA Notification 2006.

| Sr. No. | Particulars | Details | | | | |
|------------|---|--------------------------|---------------------|--------------------------|--|--|
| 1 | Aerial distance of nearest residential area | 3 km | | | | |
| 2 | Project Status (New/Expansion/Amendment) | New Project | | | | |
| 3 | Product Details | Proposed Industrial Parl | k with 8 MLD CI | ETP. | | |
| I | List of Products& By-Products | | | | | |
| | | Type of units. | % of type of units. | No of Plots / Unit | | |
| | | Water jet / Weaving | 55% | 107 | | |
| | | Power Looms | 10% | 36 | | |
| | | Embroidery | 12% | 17 | | |

| Packaging6%20Engineering5%21100%2404Total cost of Proposed Project (Rs. in Crores)Rs. 88 Crore5Total Plot area (sq. meter)2,13,386.06Green belt area,/Tree Plantation area (sq. meter)70,450.07WaterImage: Complex of Water Supply1Source of Water SupplyBorewell | |
|--|------------------------------------|
| Engineering5%214Total cost of Proposed Project (Rs. in Crores)Rs. 88 Crore5Total Plot area (sq. meter)2,13,386.06Green belt area,/Tree Plantation area (sq. meter)70,450.07WaterImage: Source of Water Supply1Source of Water SupplyBorewell | |
| Image: Constraint of the second state of the secon | |
| 4Total cost of Proposed Project (Rs. in Crores)Rs. 88 Crore5Total Plot area (sq. meter)2,13,386.06Green belt area,/Tree Plantation area (sq. meter)70,450.07Water11Source of Water SupplyBorewell | |
| 5Total Plot area (sq. meter)2,13,386.06Green belt area,/Tree Plantation area (sq. meter)70,450.07Water11Source of Water SupplyBorewell | |
| (sq. meter)70,450.06Green belt area,/Tree Plantation area (sq. meter)70,450.07Water70,450.01Source of Water SupplyBorewell | |
| 6 Green belt area,/Tree Plantation area 70,450.0 7 Water 7 1 Source of Water Supply Borewell | |
| 7 Water I Source of Water Supply Borewell | |
| I Source of Water Supply Borewell | |
| | |
| (GIDC, Bore well, Surface water etc. | |
| Water consumption (KL/day)(A) Domestic & Gardening: 0.17 & 0.28 MLD | |
| ii (B) Industrial: | |
| Process : Boiler: Cooling: Washings: Others : | |
| Total (A+B)=8.1 MLD | |
| Waste water generation (KL/day) (A)Domestic: 0.13 MLD (B)Industrial: • Process : • Boiler: • Cooling: • Washings: • Others : | |
| Total (A+B)= 7.51 MLD | |
| IvTreatment facility with capacity (ETP, CETP, MEE, STP etc).8 MLD SBR based CETP | |
| V Mode of Disposal & final meeting point Domestic: Domestic waste water to be generated waste water to be generated waste in the proposed onsite ETP along with the i effluent. Industrial: After treatment 7.64 MLD treated waste | vill be ndustrial water will |
| be recycled back in the process. | |
| Vi Reuse/Recycle details (KL/day) 100 % Recycling for processing units | |
| 8 Air | |
| I No. of Boilers/TFH/Furnaces/DG sets etc. with capacities viz. TPH, Kcal/hr, MT/hr, KVA etc. | ergency |
| Ii Fuel consumption Diesel: 15 liter/hr | |

| | 1 | | | 1 | | | |
|-----|---|---|---------------|--|---|--|--|
| | Solid Fuel: MT/Day Gaseous Fuel: SCM/day Liquid fuel: KL/day | | | | | | |
| 1:: | APCM for flue gee | | Adaguat | a ataali haight | for D.C. oot will be provided | | |
| | | | | Adequat | e stack neight | for D.G set will be provided. | |
| IV | Process gas/Fugitive emission details i.e. Type of pollutant gases (SO ₂ , HCI, NH ₃ , CI ₂ , NO _x etc.) | | | | | | |
| V | APCM for process gas/fugitive gaseous emission details | | | Adequate | Adequate stack height for DG set will be installed. | | |
| 9 | Hazardous waste | | | | | | |
| I | | | | • | | | |
| | Sr. No. | Type/Name of Hazardous waste | Sour gene | ce of eration | Quantity | Disposal Method | |
| | 1 | CETP Sludge | CET | Р | 7.5 MT/day | Collection, storage, transportation & send to GPCB approved TSDF site | |
| | 2 | Spent Carbon from Activated Carbon Filter | ACF | | 7.5 MT/annum | Collection, storage, transportation & send to GPCB approved TSDF site | |
| | 3 | Used Oil | Macł equip | hinery & pment | 100 L/year | Collection, storage, transportation & disposal by selling to registered refiners | |
| | Quantity of discarded containers must be in MT/Annum. | | | | | | |
| li | Membership details of TSDF, M CHWIF, Common MEE etc. | | | Membership procedure is under progress | | | |
| li | Detail waste (MSW | s of Non-Hazardous & its disposal / and others) | - | | | | |

During the meeting, after deliberation on various aspects, the terms of reference proposed by the project proponent were accepted and the project proponent was asked to include following additional TOR for the EIA study to be done covering 5 Km radius surrounding the periphery of the project :

- 1. Land Possession Documents of the proposed site and copy of permission obtained for non agricultural use i.e industrial purpose of the project site.
- 2. Project site specific details such as distance of the project site from the nearest (1) Village & the nearest habitaiton (2) Water Body: Creek / Nallah / Lake / Pond / Reservoir / Canal (3) National Highway (4) State Highway (5) Railway line (6) Heritage site (7) National Park / Wild Life Sanctuary / Reserve Forest shall be included. Give satellite image of 10 KM radius from the boundary of project premises.
- 3. The project proponent shall provide the exact distance of the project from the nearest river and/or canal.

- 4. Present land use pattern of the study area as well as the project area shall be given based on satellite imagery.
- 5. Layout plan of the industrial park. Provision of separate entry, exit and continuous unobstructed open path within the project area for unobstructed easy movement of the emergency vehicle / fire tenders without reversing back. Mark the same in the layout.
- 6. Details on the number, type & activities of the member units to come up in the proposed industrial park.
- 7. Exact scope of the project should be given in detail. Need for the proposed CETP shall be justified in detail.
- 8. Exact source of water supply to the project during the operation phase. Assessment of source of the water supply with adequacy of the same to meet with the requirements for the industral park. Permission obtained from the concerned authority for supply of water. Undertaking stating that no bore well shall be dug within the premises.
- 9. Characteristics of untreated and treated wastewater. A detailed effluent treat ability study vis-à-vis the adequacy and efficacy of the treatment facilities proposed for the wastewater to be generated along with adequacy and efficacy report. The characteristic on which treatability is based shall also be stated.
- 10. Explore use of Best Available Technology (BAT) incorporating latest features for the proposed CETP instead of providing conventional treatment units.
- 11. Details of the CETP units including its capacity, size of each unit, retention time and other technical parameters.
- 12. Techno-feasibility & adequacy for reuse / recycle of treated effluent by member units. Justifications of the economic viability of the treated effluent reuse / recycle. Details of the scheme for total recycle-reuse of the treated effluent. Details regarding the percentage of waste water to be reused / recycled by each member units.
- 13. Application wise break-up of treated effluent quantity to be recycled / reused in various applications and green belt development etc. Details about availability of sufficient open land for utilizing treated effluent for plantation / gardening. How it will be ensured that treated effluent won't flow outside the premises linked with storm water during high rainy days.
- 14. Detailed layout of effluent conveyance pipeline within the park along with distances and all technical specifications, line diagram and total capacity of the pipeline to convey effluent. Details of pumping stations, pumping capacity in each pumping station etc if any shall also be furnished.
- 15. List of the CETP members, their production capacity, effluent reuse / recycle capacity, effluent generation capacity, effluent characteristics and effluent quantity. Whether any future projections are envisaged for finalization of the CETP capacity and conveyance pipeline.
- 16. Undertaking that no dying and printing unit or process house shall be permitted as a member of the proposed CETP.
- 17. Details about the proposed inlet norms of the CETP. Give details of the mandatory treatment, if any required by the member units to achieve the inlet norms by each unit.
- 18. Specific monitoring plan to ascertain that all the CETP member units send their effluent [contracted

quantity] to the CETP and the effluent does not in any way find its way to other sources i.e. measures to eliminate by passing of the effluent.

- 19. Details of the pipeline maintenance program to avoid choking / overflow / leakage of the effluent conveyance pipeline and means to avoid the same.
- 20. Provision of flow meter at the outlet of the CETP; checks & balances to ensure that discharge quality and quantity never exceeds the prescribed limit.
- 21. Details of the monitoring plan of the member units to ensure compliance with the inlet norms of the CETP as well as to avoid shock loading in the system.
- 22. Justification / capacity of the project keeping in view the future effluent load from the additional member units.
- 23. Details of CETP management and maintenance of the CETP during operation phase including infrastructure, model of management, role of each stake holder, CETP effluent quality monitoring scheme etc.
- 24. Impact of the CETP installation and treated effluent conveyance & disposal system on the environment including the local hydrology, soil condition, floral and faunal bio-diversity of the region and the mitigation measures proposed.
- 25. Surface water quality and ground water quality in the study area.
- 26. Geological features and geo-hydrological status of the study area.
- 27. Details of emergency storage of effluent during the monsoon season.
- 28. Details of R&D to be initiated by the CETP management for effective and viable treatment of the effluent received.
- 29. Details of total power load required for the CETP as well as details of dedicated power back up / D.G.Sets to be provided to take care of power requirements during power supply failure, to ensure that treatment units operate uninterrupted.
- 30. CETP management manual covering various management aspects during the effluent collection, transportation, treatment and disposal aspects for best management practices. The member units shall abide by various clauses in this regard to check problems during the collection, transportation, treatment and reuse / recycle / disposal of the effluent.
- 31. One season Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall should be incorporated.
- 32. Anticipated environmental impacts due to the proposed project/production may be evaluated for significance and based on corresponding likely impacts VECs (Valued Environmental Components) may be identified. Baseline studies may be conducted within the study area of 5 km for all the concerned/identified VECs and likely impacts will have to be assessed for their magnitude in order to identify mitigation measures.
- 33. One complete season base line ambient air quality data (except monsoon) to be given along with the dates of monitoring. The parameters to be covered shall be in accordance with the revised National Ambient Air Quality Standards as well as project specific parameters. Locations of the monitoring

stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors. There should be at least one monitoring station in the upwind direction. There should be at least one monitoring station in the pre dominant downwind direction at a location where maximum ground level concentration is likely to occur.

- 34. Modeling indicating the likely impact on ambient air quality due to proposed activities. The details of model used and input parameters used for modeling should be provided. The air quality contours may be shown on location map clearly indicating the location of sensitive receptors, if any, and the habitation. The wind rose showing pre-dominant wind direction should also be indicated on the map. Impact due to vehicular movement shall also be included into the prediction using suitable model. Results of Air dispersion modeling should be superimposed on satellite image/ geographical area map.
- 35. Quantity of fuel required in the proposed industrial park including requirement by individual units, its source and transportation. Fuel analysis to be provided (sulphur, ash content and heavy metals including Pb, Cr, As and Hg). A confirmed fuel linkage should be provided.
- 36. Specific details of (i) Details of the utilities required (ii) Flue gas emission rate from each utility (iii) Air Pollution Control Measures proposed to each of the utility along with its adequacy.
- 37. Impact of the project on local infrastructure of the area such as on road network due to transportation of fuel, products, raw materials etc. Whether any additional infrastructure would need to be constructed and the agency responsible for the same with time frame.
- 38. Details of flora and fauna duly authenticated should be provided. In case of any scheduled fauna, conservation plan should be provided.
- 39. Details of management of the hazardous wastes to be generated from the project stating detail of storage area for each type of waste, its handling, its utilization and disposal etc. How the manual handling of the hazardous wastes will be minimized.
- 40. Copy of membership certificate of Common Environmental Infrastructure like TSDF, if any taken, should be incorporated.
- 41. Details of measures proposed for the noise pollution abatement and its monitoring. Provisions to provide ear plugs / ear muffs to workers and to ensure its usage in high noise areas. Measures to ensure that the noise from the looms remains less than 80 dB(A). Undertaking to carry out Audiography of workers working near the looms, at least once in a year.
- 42. A detailed EMP including the protection and mitigation measures for impact on human health and environment as well as detailed monitoring plan and environmental management cell proposed for implementation and monitoring of EMP. The EMP should also include the concept of waste-minimization, recycle/reuse/recover techniques, energy conservation, and natural resource conservation. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
- 43. Occupational health impacts on the workers and mitigation measures proposed to avoid the human health hazards along with the personal protective equipment to be provided to the workers. Provision of industrial hygienist and monitoring of the occupational injury to workers as well as impact on the

workers. Plan for periodic medical check up of the workers exposed. Details of work zone ambient air quality monitoring plan as per Gujarat Factories Rules.

- 44. Risk assessment including prediction of the worst-case scenario and maximum credible accident scenario related to fire and explosion issues due to storage and use of fuel should be carried out. The worst-case scenario should take into account the maximum inventory of storage at site at any point in time. The risk contours should be plotted on the plant layout map clearly showing which of the activities would be affected in case of an accident taking place. Based on the same, proposed safeguard measures including On-Site / Off-Site emergency plan should be provided.
- 45. Measures to guard against fire hazards including details of automatic fire detection and control system & detailed fire control plan showing hydrant pipeline network, provision of DG Sets, fire pumps, jockey pump, toxic gas detectors etc. should also be provided.
- 46. Provision to ensure sufficient water storage all the time for use during emergency situation.
- 47. Submit checklist in the form of Do's & Don'ts of preventive maintenance, strengthening of HSE, manufacturing utility staff for safety related measures.
- 48. Detailed five year greenbelt development program including annual budget, types & number of trees to be planted, area under green belt development [with map], budgetary outlay; along with commitment of the management to carry out the tree plantation activities outside the premises at appropriate places in the nearby areas and elsewhere.
- 49. Proposal for socio-economic development activities including community welfare program most useful in the project area for the overall improvement of the environment. Submit a detailed plan for social corporate responsibilities, with appropriate budgetary provisions for the next five years and activities proposed to be carried out; specific to the current demographic status of the area.
- 50. A tabular chart for the issues raised and addressed during public hearing/consultation and commitment of the project proponent on the same should be provided. An action plan to address the issues raised during public hearing and the necessary allocation of funds for the same should be provided.
- 51. Plan for compliance of CETP guidelines issued by the CPCB.
- 52. Whether any litigation pending and / or any direction / order passed by any Court of Law against the company, if so, details thereof.
- 53. Details of scheme for surface as well as roof top rain water harvesting and ground water recharge with proper scientific calculations considering rainfall in the region, catchment area, land / soil characteristics, ground water recharge rate, duration of rain water harvesting etc. Details of provisions of pre-treatment of the rainwater in the case of surface run off is to be harvested. Location of recharge percolation wells on the layout plan.
- 54. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report (b). Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- 55. Disciplinary policy of CETP for member units.

- 56. What is the hierarchical system or administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions? Details of this system may be given.
- 57. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA Report.
- 58. Certificate of accreditation issued by the NABET, QCI to the environmental consultant should be incorporated in the EIA Report.
- 59. A tabular chart with index for point-wise compliance of above TORs.

The above mentioned project specific TORs/additional TORs and the model TORs available in the MoEF's sector specific EIA Manual for CETP & Industrial estates/Park shall be considered as generic TORs for preparation of the EIA report in addition to all the relevant information as per the generic structure of EIA given in Appendix III in the EIA Notification, 2006. The draft EIA report shall be submitted to the Gujarat Pollution Control Board for conducting the public consultation process as per the provisions of the EIA Notification, 2006. The project shall be appraised on receipt of the final EIA report.

| 7. | Royal Textile Market | T.P35(Kumbhariya–Saroli–Saniya Hemad- Devadh), F.P.No272,Paikee Sub Plot No.1+2, BlockNo.131, Moje: Saroli, Ta: Chorvasi Dist: Surat | Screening & scoping / appraisal |
|----|----------------------|---|---------------------------------|
| | | Churyasi, Dist. Surat. | |

| Sr. No | Particulars | Details |
|-----------|--|-------------------------------------|
| 1. | Proposal is for | New Project [SIA/GJ/NCP/33848/2015] |
| 2. | Type of Project | Commercial |
| 3. | Project / Activity No. [8(a) or 8(b)] | 8(a) |
| 4. | Name of the project | Royal Textile Market |
| 5. | Name of Developer | Shantai Reality India Ltd., |
| 6. | Estimated Project Cost (Rs. In Crores) | Rs. 50 Crores |
| 7. | Whether construction work has been initiated at site? If yes, details thereof | No |

| 8. | Project Details | • Land / Plot Area (m ²): 10,761.0 | | | | | | |
|-----|---------------------------|--|-------------------------------------|--------------------------|--------------------------------|--|--|--|
| | | • FSI area (m ²): 29,054.15 | | | | | | |
| 1 | | • Total BUA (m2) : | 49,993.66 | | | | | |
| 1 | | , , , | Dorn | nissihla | Proposed | | | |
| | | FSI Area (m ²) | 24.2 | 12 25 | 29 054 15 | | | |
| | | Ground Coverage | (m^2) 5.38 | 12.23 | 5 282 42 | | | |
| | | Common Plot Arc | $\frac{5(11)}{2}$ $\frac{5(30)}{2}$ | 0.50 | 1 070 56 | | | |
| | | Max, building boi | a(11) 1,073 abt (m) 45 m | 9.50 | 1,979.50 | | | |
| 0 | Building Dataila | | <u>911 (11) 45 11</u> | | 34.00 | | | |
| 9. | building Details | • No. of Buildings: | 1 | | | | | |
| | | • No. of Blocks: 1 | | | | | | |
| | | Scope of building | S/DIOCKS: 2 IEV | el basement + gro | ound floor + 5 floors. | | | |
| | | No. & size of Res | No. & size of Residential Units: | | | | | |
| | | No. & type of Cor | nmercial Units | : 434 Textile Hou | ISES | | | |
| | | Details of ameniti | es if any: | | | | | |
| 10. | No. of expected | Expected residents | S: | | | | | |
| | residents / users | Expected shop use | ers: 1736 | | | | | |
| | | Expected visitors: | 1000 | - | | | | |
| 11. | vvater & waste | Water requirement | nt (KL/day): 14 | .0 | | | | |
| | water details | Source of water: | Source of water: Water tankers | | | | | |
| | auring | Waste water gen | eration quantity | / (KL/day): 1.60 | | | | |
| | construction | Mode of disposal | Mode of disposal: Soak pit | | | | | |
| | pnase | Details of reuse of | of water, if any: | W/W generated | from washing of equipment will | | | |
| - | | be reused for cur | ing after neces | sary treatment. | | | | |
| 12. | Water & waste | Total water requi | rement (KL/da | y):97.50 | | | | |
| | water details | Fresh water requ | irement (KL/da | ay): 57.0 | | | | |
| | during operation | Source of water: | Water supply f | rom SUDA | | | | |
| | phase | • Waste water den | eration quantit | v (KI /dav): 74 50 | | | | |
| | | • Wada of diapoad | | o generated will k | a tracted in the proposed | | | |
| | | | . Sewage to b | e generaled will k | be treated in the proposed | | | |
| | | onsite STP. Trea | ted sewage wi | If be reused for ga | ardening & flushing purposes | | | |
| | | within premises a | and only remain | ning quantity of tr | eated sewage will be | | | |
| | | discharged into th | ne undergroun | d drainage line of | SUDA. | | | |
| | | In case of STP presented in the second second | rovision, capad | ity of STP: Yes. S | Sewage Treatment Plant – 80 | | | |
| | | KL/day | | | | | | |
| | | STP Technology | Ozonization | reatment | | | | |
| | | Purposes for tree | ited water utili- | ation: Treated se | wage will be utilized in | | | |
| | | aardoning and to | ilot fluching | | | | | |
| | | | | | | | | |
| | | • Quantity of treate | eu water to be | eusea: 1. Garder | iing (KL/day): 4.5 KL/Day | | | |
| | | 2. Flushing (KL/ | day): 36.0 KL/ | Day | | | | |
| | | Provision of dual | plumbing syst | em (Yes/No): Yes | ; | | | |
| | | Quantity and ty | pe (treated/u | ntreated)of water | to be discharged: Treated | | | |
| | | sewage will be re | eused for gard | ening & flushina | purposes within premises and | | | |
| | | only remaining | quantity of t | reated sewage | will be discharged into the | | | |
| | | underground drai | inage line of S | IDA | | | | |
| | | Mode of disposed | | | | | | |
| 10 | Ctatua at water | | | ساير المحمد ما الم | increaling in CLIDA | | | |
| 13. | Status of water | Applied for connec | tion of water s | upply line and dra | linage line in SUDA. | | | |
| | supply and | | | | | | | |
| 1 / | Solid wooto | Construction Dhas | 0: | | | | | |
| 14. | Soliu Wasle Managomont | | Concration | Quantity to be | Mode of Disposal / Pausa | | | |
| | manayement | | (m^3) | reused (m ³) | woue of Disposal / Reuse | | | |
| | | Top Soil | <u>())</u> 530.78 | 520 79 | Reuse for developing | | | |
| | | | 559.10 | 009.10 | ivense in nevelopling | | | |

| | | | | | | | garden | area | |
|---|-----|------------------|---|------------------------------|---------|---|-------------|------------------------|----------------|
| | | | Other | 71.929.17 | 1.0 | 21.14 m ³ | Remair | ning guantity | / will be |
| | | | excavated earth | ,•_• | will k | be reused | send to | o other pro | iect site |
| | | | | | for b | ack filling | in cons | ultation with | SMC |
| | | | Construction | 525 | 250 | m ³ will be | Remair | ning will be | reused |
| | | | debris | | reu | sed as a | in outer | r road devel | opment |
| | | | | | fill | er up to | | | |
| | | | | | plir | nth level. | | | |
| | | | Steel scrap | 20 | | | Sold | to local | scrap |
| | | | | | | | vendor | S | |
| | | | Discarded | 12 | | | Sold to | local vendo | rs |
| | | | packing | | | | | | |
| | | | materials | | | | | | |
| | | | Operation Phase | | | | | | |
| | | | Type of waste | Generation | | Mode of w | /aste | Mode of D | isposal |
| | | | | Quantity | | collection | | / Reuse | |
| | | | | (Kg/day) | | | | | |
| | | | Dry waste | 209.03 | | Blue co | olour | Through | door |
| | | | | | | buck | et | to door | waste |
| | | | | | | | | collection | system |
| | | | | 400.0 | | | | of SUDA | |
| | | | Wet waste | 138.8 | | Green o | olour | I hrough | door |
| | | | | | | DUCK | et | to door | waste |
| | | | | | | | | | System |
| | | | STP Sludge | | Bottom | | of the | Reused as | |
| | | | en enage | | | collectio | n tank | manure for | the |
| | | | | | | | | Garden | |
| | | | Details of segregation if to be done: Separate bin | | | oins will | be provided | to collect | |
| | | | dry and wet waste | | | • | | | |
| | | | Capacity and no. or | of community I | oins to | be placed | within p | remises: 1.0 |) m3 |
| | | | Landfill site where | e waste will be | e ultim | ately dispo | sed by | local author | ity: Khajod |
| | | | Landfill Site of S. | M.C | | | | | |
| - | 15. | Parking Details | Total parking area | requirement f | or the | project as | per GDC | CR: 8,716.0 | m ² |
| | | | Parking area requi | irement for Co | mmer | cial units a | s per GL | DCR: 8,716.0 |) m² |
| | | | I otal number of C | PS requireme | nt for | the project | as per N | IBC : 116 | |
| | | | • Number of CPS re | equirement for | comn | nercial units | s as per | NBC: 116 | 000 |
| | | | Iotal Parking area | a provided (m ⁻) |) & NC |). Of CPS: 1 | 7,807.1 | 5 m ⁻ & 565 | |
| | | | Parking area prov CPS Parking area | nded in baser | nent (| (M ⁻) & NO. urfaco (m ²) | | : 17,120.10 | M^{-} & 535 |
| | | | CPS | | heirs | | α NU. 0 | UF 3. 007.0 | |
| | 16. | Traffic | Width of adjacent | public roads: 2 | 24.0 m | 1 & 18 m wi | de roads | S. | |
| | | Management | Number of Entry 8 | Exit provided | l on ar | pproach roa | ad/s: 2 a | ates will be i | provided. |
| | | 0 | Width of Entry & E | xit provided o | n appi | roach road/ | s: 10.27 | m & 6.68 m | |
| | | | Minimum width of | f open path a | II arou | und the bu | ildinas fo | or easy acc | ess of fire |
| | | | tender (excluding | the width for th | ne pla | ntation): 5 i | n | | |
| | | | Width of all interna | al roads: 6.0 m | | , | | | |
| | 17. | Details of Green | Use of fly ash base | d material, flus | sh tan | k instead of | f direct fl | ushing in toi | lets, foam |
| | | Building | type aerated coke, | rain water harv | /esting | g, use of LE | ED lights | for commor | n areas, |
| | | measures | solar lights for lands | scape lighting, | reflec | tive/ white | tiles in c | ommon area | as, |
| | | proposed. | maximum use of na | tural light etc. | | | | | |
| | 18. | Energy | Power supply | U U | | | | | |
| | | Requirement, | Maximum demand | : 2500 KVA | | | | | |

| | Source | and | Connecte | Connected load: | | | | | |
|-----|----------|-------------------|---|--|----------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|
| | Conser | valion | Energy s landscan | aving meas | ures: Use of reflective/ wh | LED lights fo | r commoi terrace fl | n areas, solar lights for | |
| | | | natural li | natural light etc. | | | | | |
| | | | DG Sets | · · · · | | | | | |
| | | | No. and | capacity of the source of the second se | he DG sets: ' | l X 125 KVA High speed D | المعما (44 | D) & quantity 55 L/b in | |
| | | | each | 5 quantity. L | | light speed D | | | |
| 19. | Fire an | d Life | Fire exting | juishers, hos | se reel, wet r | iser, yard hyd | Irant, auto | omatic sprinkler system | |
| | Safety | roc | in entire b | uilding, man | ually operate | ed electric fire | alarm sy | stem, underground fire | |
| | IVICASU | 163 | water stor | age tank (11 | 0 KL), terrac | e tank of 10 k | KL for eac | ch building, provision of | |
| | | | pump: one | anacity 180 | one alesel p I /min_baving | ump of capa | ka/cm^2 a | t terrace level etc | |
| 20 | Details | on stairca | pump or c | | | j piessule 5.5 | ry/ciii a | | |
| 20. | Dotano | on stands | | | | | | | |
| | | | | | | | | Maximum Travel | |
| | NO. | Floor Area | No. of | Width Of Staircase | No. of Fire lift | NO. 01 | NO. Of Goods | Distance up to the | |
| | floor | (m ²) | staircase | (m) | Proposed | Lift | Lift | Staircase | |
| | | 5 292 | | | | | | < 30 11 | |
| | G+5 | 5,282. 42 | 04 | 2.01 | 03 | 07 | 04 | <30.0 | |
| 21. | Rain W | ater/ater | Level of | the Ground | water table: | about 27 m | | | |
| | (RWH) | ung | • NO. & UII | nensions of | siz | e: 4m x 3m x | J3 NO. OF KVVH TANKS; 4m x 3m x 3m | | |
| | , | | | | siz | e of Bore: 350 |) mm dia. | | |
| | | | | | siz | e of pipe: 150 | mm dia. | | |
| | | | No. and Details of | deptn of per- | colations wei nent facilities | · A de-silting | percolatir chamber | ig wells, will be provided to de- | |
| | | | silt and r | remove floating material through bar screen | | | | | |
| | | | | | - | - | | | |
| 22. | Green | area | • Tree cov | ered area (n | n²) : 430.0 | . 0. | | | |
| | details | | Area cov | ered by shru | ubs and bush | es (m²): | | | |
| | | | Lawn cov Total Gre | vered area (| 2) 1 079 56 | | | | |
| | | | Green Ar | rea % of plot | t area: 10.00 | % | | | |
| | | | • No. of tr | rees and sp | ecies to be | planted: 72 | trees of | Gulmohar, Neem tree, | |
| 00 | Dudact | | Coconut | palm Asopa | lav etc. | d roourring a | hant of D | A 75 loss has have | |
| 23. | allocati | ary on for | allocated t | iowarde nur | 1.70 Iacs an | in water harv | esting & a | s. 4.75 lacs lias been | |
| | Enviror | nmental | areenbelt | developme | ent. environ | ment monito | orina & | management. waste | |
| | Manag | ement | managem | ent, sewage | treatment & | reuse etc. | | | |
| | (Rs. in | lacs) | | | | | | | |
| 24. | Propos | ed dust | Water spr | inkling, cove | ered shed for | cement unloa | ading acti | vity, tarpaulin cover on | |
| | control | | excavated | earth & con | struction mat | terial etc. | | | |
| 25 | | Eco – | llse of fly | ash hricks | & aerated | blocks for wa | ater narti | ion paving blocks for | |
| 20. | friendly | building | parking a | reas & walk | wavs. Port | land Pozzolo | na Ceme | ent for RCC structure. | |
| | materia | als. | plaster & f | looring etc. | | | | | |
| | | | • | č | | | | | |

| 26. | Details on | Drinking water & tap water, sanitation facilities, domestic waste water collection |
|-----|--|---|
| | amenities to be provided to construction workers. | facility, lunch space, first aid box, free medicines, doctor service, PPEs etc. |
| 27. | Documents related to land possession. | Copy of index from sub registrar's office has been submitted which shows that the N.A land is in the name of M/s Shanti Realty India Ltd. Zoning certificate shows that the project site falls in the residential zone. |

During the meeting, while discussing about the fire fighting measures, it was presented that flame proof electrical fittings will be provided. MCB will be provided, which will be tripped in case of any kind of adverse conditions. While asking by the committee, It was presented that traffic survey was carried out on a 24 m wide road from project site to Punagam-Saroli road which shows that the Level of Service in existing as well as in proposed scenario will remain the same as excellent "A". They have submitted a copy of notarized undertaking stating that any kind of manufacturing activity will not be allowed in the commercial units of the proposed project and any textile house will not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics. Typical floor plan presented during the meeting shows that the travel distance of the nearest staircase from the farthest corner of the floor and between the two consecutive staircases is less than 30 m. After discussing the various aspects of the project, it was decided to consider the project only after submission of the following:

- 1. Status of application made for obtaining permission for commercial use of the project site or documents showing that the proposed commercial activity is permissible at the project site.
- 2. Details on ventilation, lighting arrangements and CO sensors in basement
- 3. Details & plans showing the areas designated for loading / unloading of the goods & parking of vehicles carrying goods at ground level as well as in basement.
- 4. Perspective view of the building(s) to be constructed along with the materials used such as fibers, glass, etc. on the facades or external walls and the impacts thereof on the nearby buildings / residents due to heat island effect and emissions from the air conditioning systems.

| 8. | Building construction project by Mr. Ravibhai | At Block no. 32 Village: Velanja, Tal: Kamrej, Dist: Surat | Screeing appraisal | & | scoping | / |
|----|--|---|-----------------------|---|---------|---|
| | R. Laheri | | | | | |

| Sr. No. | Particulars | Details |
|---------|-------------------------|-------------------------------------|
| 1. | Proposal is for | New Project [SIA/GJ/NCP/38428/2015] |
| 2. | Type of Project | Residential Row House Project |
| 3. | Project / Activity No. | Project / Activity No. 8(a) |
| | [8(a) or 8(b)] | |
| 4. | Name of Project | A Residential Row House Project |
| 5. | Name of Developer | Ravibhai Rasikbhai Laheri |
| 6. | Estimated Project | 6.33 Crores. |
| | Cost (Rs. in Crores) | |
| 7. | Whether construction | No |
| | work initiated at site? | |
| | If yes, details thereof | |

| 8. | Project Details | • Land / Plot Area (m ² | ²): 64,095 | 5.0 | | |
|-----|-----------------------------------|--|---------------------|--------------------------|-------------------------|--|
| | | • FSI area (m ²): 50,528.72 | | | | |
| | | • Total BUA (m ²): 76,9 | 957.49 | | | |
| | | | | | | |
| | | | P | Permissible | Proposed | |
| | | FSI Area (m ²) | 6 | 9,217.43 | 50,528.72 | |
| | | Ground Coverage (r | n²) 2 | 3,072.48 | 19,022.15 | |
| | | Common Plot Area (| (m ²) 6 | ,409.50 | 6,413.81 | |
| | | Max. building height | (m) | - | 9.0 | |
| 9. | Building Details | Total 807 Row House | es of gro | und floor + 1. | | |
| 10. | No. of expected residents / users | 4035 persons | | | | |
| 11. | Water & waste water | Water requirement (KL/day): 25.0 | | | | |
| | details during | • Source of water: Bo | re well w | ater | | |
| | construction phase | Waste water generation quantity (KL/day): 4.2 | | | | |
| | | Mode of disposal: Te | emporary | / septic tank & soa | ık pit. | |
| | | Details of reuse of water, if any: Nil | | | | |
| 12. | Water & waste water | Total water requirer | nent (KL/ | /day): 522.0 | | |
| | details during | Fresh water require | ment (KL | ./day): 250.0 | | |
| | operation phase | Source of water: Wa | ater supp | ly from local gram | panchayat. | |
| | | Waste water generation | ation qua | ntity (KL/day): 453 | .0 | |
| | | Mode of disposal: | Sewade t | o be generated wi | II be treated in the | |
| | | proposed onsite ST | P. Treate | ed sewage will be | reused for gardening & | |
| | | flushing purposes w | ithin prer | mises and remaini | ng quantity of treated | |
| | | sewade will be discl | harged in | to the drainage lin | e of local gram | |
| | | sewaye will be usu | nargeu in | no me dramage m | le or local graffi | |
| | | panchayat. | | | | |
| | | Plant – 500.0 m3 | vision, caj | pacity of STP: Yes | . Sewage Treatment | |
| | | STP Technology: C treatment. | onventio | nal with primary + | secondary+ tertiary | |
| | | Purposes for treated in gardoning and to | d water u | tilization: Treated | sewage will be utilized | |
| | | • Ouantity of tracted y | watar ta k | ng na rausad: 1. Gara | loning (KL (day): 254.0 | |
| | | • Quantity of treated (| | Je reuseu. r. Garc | iening (RL/uay). 204.0 | |
| | | 2. Flushing (KL/ua | y). 10.0 | ····· | | |
| | | Provision of dual plu | umping s | ystem (Yes/No): Y | es | |
| | | • Quantity and type (t | reated/ur | ntreated) of sewag | e to be discharged: | |
| | | I reated sewage will | I be reuse | ed for gardening 8 | flushing purposes | |
| | | within premises and | only ren | naining quantity of | treated sewage will | |
| | | be discharged into t | he draina | age line of local gr | am panchayat. | |
| | | Mode of disposal: A | s above. | | | |
| 13. | Status of water | Velanja Gram Pancha | ayat will p | provide water supp | oly & drainage line. | |
| | line | | | | | |
| 14. | Solid waste | Construction Phase: | | | | |
| | Management | Ge | eneration | Quantity to be | Mode of | |
| | | (m | 1 ³) | reused (m ³) | Disposal / Reuse | |
| | | Top Soil 10 | ,422.3 | 2,000 m3 | It will be reuse in | |
| | | m ³ | 5 | | tree plantation | |

| | | | 0.440 | lt will be | |
|--|--|----------------------|-----------------------|------------------------|-----|
| | | | 8,442 m3 | It will be supplied to | |
| | | | | village | |
| | | | | panchayat | |
| | Other | 1,04,223 | 60,000 m ³ | It will be reused | |
| | excavated | m° | | in internal road | |
| | earth | | | development | |
| | | | 44.223 m^3 | lt will be | |
| | | | 1,220 | supplied to the | |
| | | | | village | |
| | | | | Panchayat for | |
| | | | | making village | |
| | Construction | 50 m ³ | 50 m^3 | road. | |
| | Construction | 50 m | 50 m ² | Construction | |
| | GEDIIS | | | reused in footing | |
| | | | | & foundation. | |
| | Steel scrap | 0.5 MT | 0.5 MT | Used in column, | |
| | | | | footing and | |
| | | | | foundation | |
| | Discarded | Cement & | Cement bag | 100 % Reuse | |
| | materials | Bags | | | |
| | materials | Days | & partly sale | | |
| | | | out in open | | |
| | | | market while | | |
| | | | plastic bag | | |
| | | | sale out to the | | |
| | | | registered | | |
| | | | vendor | | |
| | L | l | | 1 | |
| | Operation Phase: | | | | |
| | Type of waste | Generation | Mode of | Mode of Disposal | |
| | | Quantity | waste | / Reuse | |
| | Drawnacta 8 | (Kg/day) | Collection | Orare Danahavat | |
| | Dry waste & | 1,014 | Dusidin | Gram Panchayat | |
| | Details of seared | l nation if to be | done: No | | |
| | Capacity and no | of communit | tv bins to be place | ed within premises | 30 |
| | bins having volu | me 0.25 m3 | ., | | |
| | Authority / agend | cy involved in | waste disposal : (| Gram Panchayat | |
| | Landfill site whether the second secon | nere waste | will be ultimatel | y disposed by loo | cal |
| | authority: at the | e nearby MS | W collection poir | nt of concerned loo | cal |
| | authority. | | | | |

| 15. | Parking Details | Total parking area requirement for the project as per GDCR: 10.382.61 m² |
|-----------|--------------------------|--|
| | | Parking area requirement for residential units as per GDCR: |
| | | 10,382.61 m ² |
| | | Iotal number of CPS requirement for the project as per NBC :405 |
| | | • Number of CPS requirement for residential units as per NBC: 405 |
| | | Total Parking area provided (m⁻) & No. of ECS: 34,741.0 & 1085 CPS. |
| | | Parking area provided in basement (m²) & No. of ECS: 34,741.0 & 1085 CPS. |
| 16. | Traffic Management | • Width of adjacent / approach road: 18 m wide road on two sides. |
| | | No. of Entry and Exit: 2 gates will beprovided. |
| | | • Width of Entry & Exit : 10.50 m & 7.50 m. |
| | | • Width of internal roads: 6.0 m, 7.5 m, 9.0 m & 10.5 m. |
| | | Minimum width of open path all around the buildings for easy access of fire tender: 3 m |
| 17. | Green building | Use of autoclave aerated blocks & RMC, provision of aerated type |
| | features including | taps, solar street lights, LED lighting fixtures & low voltage lighting in |
| | measures for | common areas, maximum use of natural ventilation, 5 star rated |
| | conservation of water | electrical appliances & inverters, provision of STP & reuse of treated |
| | friendly building | sewage etc. |
| | materials, etc. | |
| 18. | Energy requirement, | Power supply- |
| | source and | Maximum demand 1500 KVA |
| | conservation | Source: DGVCL |
| | | • % of saving with calculation: 25% saving by using CFL/LED |
| | | appliances |
| | | DG Set: |
| | | No & capacity of D.G.Set: 6 x 50 KVA |
| | | Fuel & it quantity: HSD-300 lit/hour |
| 19. | Fire and Life Safety | Nearest Fire Station: Kosad Fire Station |
| | Measures | Distance:10.89 km |
| | | Ime: 15 minute |
| | | 2 X 75 KL underground water tank, 2 KL terrace water tank on each raw house |
| 20. | Details on staircase: Or | ne staircase will be provided in each raw house. |
| | | |
| 21. | Rain Water | Level of the Ground water table: 30 feet in monsoon |
| | Harvesting | 45 feet in summer |
| | (RVVH) | No. & dimensions of RWH tank(s): |
| | | No. and depth of percolations wells: 17 nos. of percolating wells. |
| 22 | Green area details | Details on Pre-treatment facilities: Not Applicable Trea, covered area (m²) : 1800, on periphery of compound wall. |
| <i></i> . | | periphery of the COP. |
| | | Area covered by shrubs and bushes (m²): |
| | | Lawn covered area (m²): 4,200 (On COP) |
| | | Total Green Area (m²): 6000 m² |
| | | Green Area % of plot area: 10 % |
| | | No. of trees to be planted: 360 trees of Neem, Pipal, Vad, Ashoka, Gulmohar |
| 23. | Dust control | Spraying of water, peripheral barricading, covered shed for cement |
| _ | measures | loading area, covering the excavated earth with tarpaulin sheet etc. |

| 24. | Budgetary allocation for Environmental Management Plan (Rs. in lacs) | Allocation of fund of rupees 100 lacs for erection & commissioning of STP, for tree plantation & for rain water harvesting. |
|-----|---|--|
| 25. | Details of eco-friendly building materials | Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc. |
| 26. | Facilities to construction workers | Sanitation & drinking water facilities, welfare facilities as per Gujarat building & other construction workers rules & regulations |
| 27. | Documents related to land possession | N.A order for residential use in the name of land owners & development agreement between the land owners & the applicant has been submitted. |

During the meeting, after detailed discussion, it was decided to consider the project only after submission of the following:

- 1. Lay out plan showing basement line & approach ramps
- 2. Exact source of availability of water supply & drainage conneciton, permission from concerned authority for provision of water supply & drainage connection to the project during the operation phase.
- 3. Complete management plan of the treated sewage to be generated including activity wise break up of its utilization, feasibility of reusing treated sewage for gardening looking to the soil characteristics & ground water level in the area, mode of disposal along with the permission from the concerned authority in this regard, management plan of treated sewage in monsoon season etc.
- 4. Details & status of drainage network, pumping station, STP & its final disposal point in the area.

| 9. | Sun South Park | Block Number 472/A, 472/B & 472/C, F.P. No: 142/1, 142/2/1, TPS: 3, Bopal Tehsil: | Screeing & appraisal | scoping | / |
|----|----------------|---|----------------------|---------|---|
| | | Daskroi, District : Ahmedabad | | | |

| Sr. | Particulars | Details |
|-----|--------------------|-------------------------------------|
| No. | | |
| 1. | Proposal is for | New Project [SIA/GJ/NCP/38487/2015] |
| 2. | Type of Project | Residential Cum Commercial |
| 3. | Project / Activity | 8 (a) |
| | No. [8(a) or 8(b)] | |
| 4. | Name of the | Sun South Park |
| | project | |
| 5. | Name of | Shilp Construction |
| | Developer | |
| 6. | Estimated | 60 Crores |
| | Project Cost (Rs. | |
| | In Crores) | |
| 7. | Whether | No |
| | construction | |
| | work has been | |
| | initiated at site? | |
| | If yes, details | |
| | thereof | |

| 8. | Project Details | Land / Plot Are | ea (m²): 7,661.0 | | | | | |
|-----|-------------------|-------------------------------------|------------------------|--|------------------------------|--|--|--|
| | | • FSI area (m ²): | 20,675.73 | | | | | |
| | | • Total BUA (m ² |):36,947.37 | | | | | |
| | | | | Permissible | Proposed | | | |
| | | FSI Area (m ²) | | 20,684.7 | 20,675.73 | | | |
| | | Ground Covera | age (m²) | NA | 2,669.76 | | | |
| | | Common Plot | Area (m ²) | 767 | 767 | | | |
| | | Max. building h | neight (m) | NA | 45 | | | |
| 9. | Building Details | No. of Buildings:2 | | | | | | |
| | | • NO. OF BIOCKS. | D Jinga/blackar 0 | hladka Daaamaa | at a ground floor (norting 9 | | | |
| | | • Scope of build | angs/Diocks. Z | DIOCKS - Dasement | nt + ground noor (parking & | | | |
| | | Shops) + 14 IIC | DOIS, 3 DIOCKS - | | w plintin + 14 10015. | | | |
| | | • NO.& SIZE OF R | | $(101a) 240 \text{ flats. If } (0.54 \text{ m}^2) 28 \text{ Flat}$ | 00 FIAIS- 3BAK (SIZE 80.05 | | | |
| | | (112), (12) (12) | S- SDAR (SIZE / | 9.04 mz), zo Fiak | S=SDR(SZE 00.0 IIIZ), | | | |
| | | • NO. & type of t | | is. 40 shups | | | | |
| 10 | No. of overaged | Details of affle | nilles II any. Or | | | | | |
| 10. | residents / users | 1172 occupants | and 150 visitor | 5 | | | | |
| 11. | Water & waste | Water requirer | ment (KL/day): 2 | 21.75 | | | | |
| | water details | Source of wate | er: Water tanke | S | | | | |
| | during | Waste water g | eneration quan | tity (KL/day): 5.73 | | | | |
| | construction | Mode of dispo | sal: Soak pit | | | | | |
| | phase | Details of reus | e of water, if an | y: No | | | | |
| 12. | Water & waste | Fresh water re | quirement (KL/ | day): 155.25 | | | | |
| | water details | Source of wate | er: Water supply | / from AUDA | | | | |
| | during operation | Waste water g | eneration quan | tity (KL/day): 121.7 | 5 | | | |
| | phase | Mode of dispo | sal: Into drainag | ge line of AUDA | | | | |
| 13. | Status of water | Available at site | | | | | | |
| | supply and | | | | | | | |
| 14. | Solid waste | Construction Ph | ase: | | | | | |
| | Management | | Generation | Quantity to be | Mode of Disposal / | | | |
| | | | (m ³) | reused (m ³) | Reuse | | | |
| | | Top Soil | 1100 | 1100 | Development of | | | |
| | | | 1100 | 1100 | landscape area | | | |
| | | Othor | 20.000 | $0.400 \text{ m}^3 \text{ will}$ | Bolopoo oorth will bo | | | |
| | | Other | 20,900 | 9,400 m will | Balance earth will be | | | |
| | | excavated | | be used for | used at other projects | | | |
| | | earth | | back filling | as per requirement. | | | |
| | | | | and raising | | | | |
| | | | | plinth level. | | | | |
| | | Construction | 300 | 180 m ³ will be | Balance debris will be | | | |
| | | debris | | used for | handed over to local | | | |
| | | | | development | authority or fill in low | | | |
| | | | | of internal | laving areas | | | |
| | | | | road. | | | | |
| | | Steel scrap | 12 | 0 | Sold to vendors | | | |
| | | Discarded | 8 | 0 | Sold to vendors | | | |
| | | packing | | | | | | |
| | | materials | | | | | | |
| | | | | | 1 | | | |
| | | | | | | | | |
| | 1 | 1 | | | | | | |

| | | Operation Phase: | | | | |
|-----|---|--|--|--|--|--|
| | | Type of waste | Generation | Mode of | Mode of Disposal / | |
| | | | Quantity | waste | Reuse | |
| | | | (Kg/day) | collection | | |
| | | Dry waste | 278.56 | White bins | Sold to vendors | |
| | | Wet waste | 417.84 | Green Bins | Municipal bins | |
| | | Details of segre | egation if to be do | one: yes | | |
| | | Capacity and n 10 number of c Landfill site with Nearby municip | of community ommunity bins to here waste will bal solid waste co | bins to be placed be placed in col be ultimately d bllection / dumpir | d within premises: 15 kg and mmon area isposed by local authority: ig site of AUDA. | |
| 15. | Parking Details | Total parking area requirement for the project as per GDCR:4,755.89 m² Parking area requirement for residential units as per GDCR: 3,721.31m² Parking area requirement for Commercial units as per GDCR: 1,034.58 m² Total number of CPS requirement for the project as per NBC :162 Number of CPS requirement for residential units as per NBC: 120 Number of CPS requirement for commercial units as per NBC: 120 Number of CPS requirement for commercial units as per NBC: 42 Total Parking area provided (m²) & No. of CPS: 8,737.2 & 291 CPS Parking area provided in basement (m²) & No. of CPS:6,154.80 & 192 CPS Parking area provided in hollow plinth (m²) & No. of CPS:1,482.40 & 52 CPS Parking area provided as open surface (m²) & No. of CPS: 1,100 & 47 CPS. | | | | |
| 16. | Traffic Management | Width of adjacent public roads: 18 m wide road. Number of Entry & Exit provided on approach road/s: 2 gates will be provided. Width of Entry & Exit provided on approach road/s: 6 m Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4.5 m Width of oll internel roads: 6 m and 4.5 m | | | | |
| 17. | Details of Green Building measures proposed. | • Width of all memanibads, of mand 4.5 m Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 8 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 2 nos. of percolating wells etc. | | | | |
| 18. | Energy Requirement, Source and Conservation | Power supply: Maximum demand: 1500 KVA Connected load: 1750 KVA Source: UGVCL % of saving with calculations: ~40% by use of LED, solar lights and star rated energy efficient electronic consumer durables Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area DG Sets: No. and capacity of the DG sets:1 x 62.5 KVA Fuel & its quantity: HSD, 12 litre/hr | | | | |
| 19. | Fire and Life Safety Measures | Fuel & its quantity: HSD, 12 litre/hr During Construction Phase: Provision of Personal Protective Equipment's (PPEs) to the construction workers and its usage shall be ensured and supervised, training to all workers on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. During operation phase (Commercial): Fire extinguishers, hose reel, | | | | |

/

| | | manually operated electric fire alarm system, down comer, automatic | | | | | matic | | |
|---------|---------------------------------|---|---|----------------------|------------------------------|------------------------|------------------|--------------------|-----------|
| | | | sprinkler system in basement, underground static water storage tank-200 | | | | | | |
| | | | KL capacity, terrace tank -50 KL capacity (total capacity), pump near | | | | | near | |
| | | | under | ground | static water s | storage tank (fi | re pump) with | n minimum Pre | ssure |
| | | | of 3.5 | ka/cm | 2 at terrace lev | vel etc. | , | | |
| 20. | Detai | ls on staircas | se | J | | | | | |
| | | | | | | | Width of the | Travel | 1 |
| | | Iype & no | . NO | D. Of | Floor area | No. of | staircase | distance | |
| | | or building | S IIC | ors | m | staircase | (m) | (m) | |
| | | А | G/HF | ^{>} + 14 | 322.6 | 1 | 2.0 | 24 | |
| | | В | G/HF | ^{>} + 14 | 322.6 | 1 | 2.0 | 24 | |
| | | С | HP | + 14 | 318.17 | 1 | 2.0 | 22 | |
| | | D | HP | + 14 | 160.01 | 1 | 2.0 | 18 | |
| | | E | HP | + 14 | 318.17 | 1 | 2.0 | 22 | |
| 21. | Rain | Water | Level | of the C | Ground water t | able: 20 m | | | |
| | Harve | esting | • No. & | dimens | sions of RWH t | ank(s) : 2 nos. | and 2.5m X 2 | .0 m X 3.0 m | |
| | (RWF | 1) | No. ar | nd dept | h of percolatio | ns wells : 2 nos | s and 15 m | | |
| | | | Details | s on Pr | e-treatment fac | cilities : oil and | grease remov | al and filter | |
| 22. | Greer | n area | • Tree o | covered | area (m²) :25 | 0 | | | |
| | detail | S | • Area o | coverec | by shrubs and | d bushes (m²): | 150 | | |
| | | | • Lawn | covere | d area (m²):36 | 7 | | | |
| | | | • Total | Green / | Area (m ²):767 | 4.00/ | | | |
| | | | • Green | Area % | % of plot area: | 10% | | | |
| | | | • NO. 01 | t trees | and species to | o be planted: | 115 number o | of trees and Lir | nbdo, |
| 22 | Duct | oontrol | Raado Sprovin | Doiris, J | ambu, Asopai | av, DesiBadan | and Guimon | ar. or comont | |
| 23. | meas | | loading | area o | overing the ex | rcavated earth | with tarpaulin | sheet etc | |
| 24 | Buda | etarv | Allocati | on of R | s 15 0 lacs & F | $R_{s} = 10$ lacs as c | anital cost & r | ecurring cost | |
| 2 | alloca | ation for | respect | ivelv ha | s heen made | for FMP & FM | s | eeuning eeet | |
| | Envir | onmental | imental | | | | | | |
| | Mana | gement | nt | | | | | | |
| | Plan | | | | | | | | |
| | (Rs. i | n lacs) | | | | | | | |
| 25. | Detai | ls of eco | Fly ash | bricks, | aerated block | s, fly ash pavin | g blocks, max | imum use of R | MC, |
| | friend | lly | lead fre | e paint | s etc. | | | | |
| | buildi | ng | | | | | | | |
| 26 | Dotoi | lais | 0 | | | | | | |
| 20. | amen | ities to he | Sanitati | ION TACI | ities, maintain | ing nygienic co | ndition at the | project site to a | avoid |
| | provid | hed to | health p | oroblem | is, safe drinkin | g water, PPEs | , first aid room | i with first aid k | it & |
| | const | ruction | welfare | facilitie | es as per the G | ujarat Building | & Other Cons | struction Worke | ers |
| | worke | ers. | Rules. | | | | | | |
| 27. | Docu | ments | Copy of | findex | from Sub Regi | strar's office su | ubmitted by th | em shows that | the |
| | relate | d to land | N A lan | d for ro | sidential use is | s in the name of | of M/s Shilp Co | onstruction a | |
| | possession | | | | | | | | |
| | partnersnip firm. | | | | | | | | |
| Durina | the me | eeting, after | detailed o | discuss | ion it was deci | ded to recomm | end the proie | ct to SEIAA Gu | jarat for |
| grant o | ant of Environmental Clearance. | | | | | | | | |
| - | | | | <u> </u> | | | | | |
| 10. | Shree | e Kuberji | Textile | F.P.N | o. 20 <mark>9/1, Bloc</mark> | k No. 270, T. | P.S.No. 35, | Screening & | scoping |
| | World | b | | (Kuml | oharia-Saroli), | Surat | | appraisal | |
| Details | s of the | proposed pr | oject as | present | ed before the | committee is ta | bulated belov | /: | |

| S.No | Particulars | Details | | | | | |
|------|----------------------|--|---|---|----------------------------|--|--|
| | Proposal is for | New Projec | Now Project[SIA/C 1/22701/2016] | | | | |
| 1. | Type of Project | New Project[SIA/GJ/32701/2016] | | | | | |
| 3. | Project / Activity | | | | | | |
| | No. [8(a) or 8(b)] | 8(a) | | | | | |
| 4. | Name of the project | Shree Kube | erji Textile Wo | rld | | | |
| 5. | Name of Developer | Shree Kube | erji Leisure Pri | ivate Limited. | | | |
| 6. | Estimated Project | | | | | | |
| | Cost (Rs. In | 83.50 Crore | es | | | | |
| | Crores) | | | | | | |
| 7. | Whether | | | | | | |
| | construction work | | | | | | |
| | has been initiated | No. | | | | | |
| | at site? If yes, | | | | | | |
| 0 | details thereof | | 1 1 | 4 070 40 | | | |
| 8. | Project Details | Land / Pic ESL area / | ot Area (m ⁻): 1 | 4,670.19 | | | |
| | | Total BUA | (m ²): 87 169 | 50 | | | |
| | | | (iii): 07,100 | | | | |
| | | | | Permissible | Proposed | | |
| | | FSI Area | | 58,680.76 m ² | 58,130.99 m ² | | |
| | | Ground C | overage | 7,330.09 m ² | 7,281.03 m ² | | |
| | | Max build | Common Plot Area 1,467.01 m² 1,526.36 m² Max huilding bright C0.0 m 40.12 m | | | | |
| 9. | Building Details | No /type o | of Buildings: 0 | 1 | 40.12 11 | | |
| | gc | No. Block | s: 01 | | | | |
| | | Scope of | buildings/bloc | cks: 2 level basement + g | ground floor to 6th floors | | |
| | | with their | respective me | zzanine floors + 7th & 8th | floors. | | |
| | | • No. & size | e of Residentia | al Units: NA. | 0 | | |
| | | No. & type Dotails of | e of Commerc | ial Units: 1008 Shops., 42 | Godowns | | |
| 10 | No. of expected | | | llooro | Number of Lleare | | |
| | residents / users | <u> </u> | Shops & Offi | ces Staff | 2016 | | |
| | | 2 | Total Visitors | | 10785 | | |
| 11. | Water & waste | Water req | uirement (KL/ | day): 13.0 | | | |
| | water details during | Source of | water: Water | tankers. | | | |
| | construction phase | Waste wa | ter generation | quantity (KL/day): 2.4 | | | |
| | | Mode of a Tank and | lisposal: The | sewage generated will be | sent to temporary septic | | |
| | | Details of | reuse of wate | r if anv: | | | |
| 12. | Water & waste | Total wate | er requirement | t(KI /day): 259.0 | | | |
| | water details during | Fresh wat | er requiremer | nt (KL/day): 94.0 | | | |
| | operation phase | Source of (SUDA). | • Source of water: Water supply from Surat Urban Development Authority | | | | |
| | | Waste wa | ter generatior | quantity (KL/day): 215.0 | | | |
| | | Mode of c | lisposal: Sewa | age to be generated will be | e treated in the proposed | | |
| | | onsite ST | P. Treated s | sewage will be reused for | or gardening & flushing | | |
| | | purposes | within premis | es and only remaining qu | line of SUDA | | |
| | | | STP nrovisio | ne underground drainage n. capacity of STP· 250 KI | /dav | | |
| | | • STP Tec | hnology: STF | comprising of primarv | + secondarv + tertiarv | | |
| | | | <u>a</u> , | | | | |

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| | | treatment facilities. | | | | | | | |
|-----|-----------------|---|------------------------------|---------------------------------|--|--|--|--|--|
| | | Purposes for treated sewage utilization: gardening & flushing. | | | | | | | |
| | | • Quantity of treated water to be reused:1.Gardening (KL/day): 7.0 | | | | | | | |
| | | 2. Flushing (KL/day) : 158.0 | | | | | | | |
| | | Provision of dual plumbing system (Yes/No): Yes. | | | | | | | |
| | | • Quantity and type (treated/untreated) of sewage to be discharged. | | | | | | | |
| | | Sewage to be generated will be treated in the proposed onsite STP | | | | | | | |
| | | Treated sewage will be reused for gardening & flushing purposes within | | | | | | | |
| | | premises and only remaining quantity of treated sewage will be | | | | | | | |
| | | discharged into the underground drainage line of SLIDA | | | | | | | |
| | | Mode of disposal: As above | | | | | | | |
| 13. | Status of water | Water supply & c | drainage connec | tion will be availa | ble from SUDA during the | | | | |
| | supply and | operation phase | of the project | | | | | | |
| | drainago lino | | or the project. | | | | | | |
| 4.4 | | O an a firm at land Dh | | | | | | | |
| 14. | Solid waste | Construction Pha | ase: | | | | | | |
| | Management | | Generation | Quantity to be | Mode of Disposal / | | | | |
| | | | (m ³) | reused (m ³) | Reuse | | | | |
| | | Top Soil | 3,000 | 3,000 | Landscaping | | | | |
| | | | | | development. | | | | |
| | | Other | 7,000 | 7,000 | Levelling of the site, | | | | |
| | | excavated | | | internal roads, etc. | | | | |
| | | earth | | | | | | | |
| | | Construction | 600 | - | Will used for | | | | |
| | | debris | | | pavement & plinth | | | | |
| | | | | | filling. | | | | |
| | | Steel scrap | 120 | - | Will be Sold to scrap dealer | | | | |
| | | Discarded | 50 | - | Will be Sold to | | | | |
| | | packing | | | recycler. | | | | |
| | | materials | | | | | | | |
| | | | | · | | | | | |
| | | Operation Phase: | | | | | | | |
| | | Type of waste | Generation | Mode of | Mode of Disposal / | | | | |
| | | | Quantity | waste | Reuse | | | | |
| | | | (Kg/day) | collection | | | | | |
| | | Dry waste | 2038.0 | Will be | Solid Waste | | | | |
| | | | | Collected in | collected will be | | | | |
| | | | | Bins | disposed off into | | | | |
| | | | | | nearby sanitary | | | | |
| | | | | | Iandfill site of SUDA | | | | |
| | | Wet waste | 1161.0 | Will be | -do- | | | | |
| | | | | Collected in | | | | | |
| | | | | Bins | | | | | |
| | | Details of segr | egation if to be o | done: Not propos | ed. | | | | |
| | | • Capacity and no. of community bins to be placed within premises: 70 Nos. | | | | | | | |
| | | Landfill site with the second se | nere waste will | be ultimately dis | sposed by local authority. | | | | |
| | | Nearby sanitar | y landfill site of S | SUDA. | | | | | |
| 15. | Parking Details | Total parking a | rea requirement | for the project as | per GDCR: 29.065.5 m ² | | | | |
| | | Parking area re | equirement for C | ommercial units a | as per GDCR 29 065 5 m^2 | | | | |
| | | Total number of | f CPS requireme | ent for the project | as per NBC: 1 069 Nos | | | | |
| | | Number of CPG | S requirement for | r commercial unit | s as ner NRC 1 069 Nos | | | | |
| | | Total Parking a | rea provided (m ² | | $32 \ 481 \ 31 \ m^2 \ 8 \ 1111 \ Noc$ | | | | |
| | | Darking area = | rovided in bace | $j \approx 100.01 \text{ GFS}.$ | of CDS: $24.224.64 m^2 for$ | | | | |
| | | I ■ Farking area p | novided in base | ment (III) & NO. | 01 053. 24,331.04 [1] [0] | | | | |

| | | 759 Nos.[1st Basement: 9,861.46 m² & 308 Nos. 1st Basement Mechanical :4,532.71 m² & 141 Nos., 2nd Basement 9,937.47 m² & 310 Nos.] Parking area provided as open surface (m²) & No. of CPS: 2,092.41 m² & 90 Nos. Parking on 8th floor: 2,090.30 m² & 90 Nos., Parking on Terrace floor: 3,966.98 m² & 172 Nos. | | | | |
|-----|--|---|---|--|--|--|
| 16. | Traffic | Width of adjacent public roads: 60 m. & 24 m. | | | | |
| | Management | Number of Entry & Exit provided on approach road/s: 2 gates will be provided. Width of Entry & Exit provided on approach road/s: 7 m Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 7 m Width of all internal roads: 7.5 m | | | | |
| 17. | Details of Green | Wall panel fabrics with recycled content, low-VOC emitting and refurbished | | | | |
| | Building measures proposed. | or bio-harvested renewable material content for flooring. Provision of local exhaust ventilation to areas where indoor air pollutant build-up could be a problem, on-site rainwater recharging systems for storm water control and non-potable water uses, formaldehyde free Medium Density Fibreboard (MDF), use of polyethylene plastic piping in lieu of PVC piping, built-in entry way mats with drop pans and adequate drains to catch dirt off shoes, green belt development (15.08% of total plot area), provision of onsite STP & | | | | |
| 18. | Energy Requirement, Source and Conservation | Power supply: Maximum demand: 5500 KVA Connected load: 5800 KVA Source: DGVCL (Dakshin Gujarat Vij Co. Limited) Energy saving measures: T5/T8 and CFL lighting in all internal common areas, equivalent size windows to get the sufficient day light. % of saving with calculations: 35% saving on energy Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: Yes | | | | |
| | | Section | Requirement | Compliance | | |
| | | 7.2 | Lighting controls occupancy/ time switch | Parking area lighting will be controlled through switch with alternate switching. | | |
| | | 7.2.1.4 | Exterior lighting to be photo sensor or time switch | External lighting will be controlled through timer. | | |
| | | 7.3 | Interior lighting power to be within specified limits | All light in common open area will be ceiling mounted. It illuminates the required area only. | | |
| | | 7.4 | Exterior lighting power to be within specified limits | All lights will be with bracket or arm, so no extra light will be cross boundary limit. | | |
| | | 8.2.1.1 | Maximum allowable power lose from transformer | Shall be used energy efficient transformers as per ECBC Norms. | | |
| | | 8.2.2 | Energy efficient motors | For the common area, all | | |
| | | | | | motor will | be energy efficie | ent |
|-----|----------------------|---|-----------------------------|-------------------|----------------------------------|----------------------|----------|
| | | | | | as per EC | BC. | |
| | | 8.2.3 | Power fa | actor be | We will us | se capacitor bank | for |
| | | | maintained b | etween 0.95 | common | areas load | to |
| | | | and unity | | maintain p | ower factor. | |
| | | 8.2.5 | Power distrib | ution system | We will co | onsider low watt lo | SS |
| | | | losses to be | maintained | type MCE | 3 in all distributi | on |
| | | | less than 1%. | | svstem. | | |
| | | DG Sets: | | | - , | | |
| | | No. and c | apacity of the | DG sets: 2 x | 125 KVA | | |
| | | Fuel & its | quantity: Dies | el, 50 lit/hr in | case of eme | ergency only. | |
| 19. | Fire and Life Safety | Nearest fi | re station: Dur | nbhal Fire St | ation, Surat | | |
| | Measures | Distance | rom the project | ct site: approx | ximate at 4 K | (m | |
| | | Time requ | for a fire t | tender to read | ch the projec | t site: 10 minutes. | |
| | | Details of | Safety measu | res for the co | onstruction w | orkers: Full body h | arness |
| | | provided to prevent the fall hazard. All construction workers will be | | | | also be | |
| | | provided appropriate PPEs like dust mask, ear plug, helmet, safety h | | | atv helt | | |
| | | etc. and n | hade to wear t | hem during v | vorking hours | | Sty DOIL |
| | | During the | e operation pl | nase: Fire ex | tinguishers | DCP & CO2 type |). hose |
| | | reel, fire | hydrants, fire | sprinklers a | utomatic typ | e in basement & | all the |
| | | floors of t | he building, u | nderground f | ire water sto | rage tank of 200 k | ≺L/day, |
| | | overhead | fire water tank | of 30 KL/da | y, manual ala | arm call point etc. | 7 |
| 20. | Details on staircase | Type of | Floor | Number | Width of | Distance of stair | |
| | | block | area (m ²) | of Stair | Stair case | case from the | |
| | | | | cases | in m | farthest corner | |
| | | One | 6,637.0 | | | <25 m | |
| | | commerc | i | 11 | 2.1 | | |
| | | al | | | | | |
| 21. | Rain Water | Level of the | ne Ground wat | er table: 5.0 | to 7.0 m | | |
| | Harvesting | • No. & dim | ensions of RV | VH tank(s) : N | Nil | | |
| | (RWH) | No. and d | epth of percola | ations wells: | 4 nos. & 40 r | n | |
| | | Details or | n Pre-treatme | nt facilities: | Sand Filter | will be used to r | remove |
| | | suspende | d pollutants f | rom the rain | nwater. Afte | r filtration, water | will be |
| | | recharged | l using percola | ation pit, filled | d with pebble | es or brick and rive | er sand |
| | | designed | ed with perior | ated concret | the area | on of recharge pit | will be |
| 22 | Green area details | | red area (m ²). | 663 74 | | | |
| | | Area cove | red by shrubs | and bushes | (m ²) [.] 0 | | |
| | | Lawn cov | ered area (m ²) | : 1.548.99 | | | |
| | | Total Gree | en Area (m ²): | 2,212.73 | | | |
| | | Green Are | a % of plot ar | ea: 15.08 % | | | |
| | | No. of tree | es and species | s to be plante | d: 210 Trees | s of 14 local specie | es |
| 23. | Budgetary | Budgetary | provisions for | the sewage r | nanagement | system including S | STP & |
| | allocation for | reuse of tre | ated sewage, | solid waste r | nanagement | , green belt develo | pment |
| | Environmental | etc. are Rs | 69.81 lacs as | capital cost | & 18.30 lacs | as recurring cost of | during |
| | Management Plan | the operation phase. | | | | | |
| | (Rs. in lacs) | | | | | | |
| 24. | Proposed dust | Water sprin | nkling on loos | e top soil. a | II the constr | uction materials s | hall be |
| | control measures | stored in c | overed structu | ires/areas. c | ement baos | will be separately | stored |
| | during the | under cove | r in bales san | d will be stac | ked under ta | rpaulin cover etc | 2.0.00 |
| | construction phase | | | | | | |
| 1 | | | | | | | |

| 25. | Eco friendly | Eco-Friendly building construction materials like fly ash brick/AAC block, |
|-----|--------------------|--|
| | building material | lead free paints, aluminum windows and bagasse based particle board in |
| | usage details. | doors will be used. |
| 26. | Basic amenities to | Wash rooms, rest rooms, drinking water etc. |
| | be provided to | |
| | construction | |
| | workers. | |
| 27. | Documents related | N.A order shows that the land for residential use is in the name of land |
| | to land possession | owner and the land owner has given power of attorney to the applicant. |

During the meeting, the project proponent presented that flame proof electrical fittings will be installed and also submitted details of the same. Details of mechanical parking submitted by them was discussed and they have also submitted typical floor plan showing that the travel distance of the nearest staircase from the farthest corner of the floor as well as between the two consecutive staircase is less than 25 m. Terrace floor plan showing installation of solar panels, plans showing fire fighting installations at each floor & in basements has also been submitted. After detailed discussion, it was decided to consider the project only after submission of the following:

- 1. Copy of permission from Urban Development & Urban Housing Department, Gandhinagar for the proposed FSI of 3.9.
- 2. Realistic details on parking area provision based on the actual parking area available at the 8th floor & terrace floor along with the details of mechanical parking to be provided, basement height, operation & maintenance of mechanical parking etc.
- 3. Zoning certificate or revised N.A permission order for the project site showing the permissible use of the project site for commercial use.

| 11. The Bungalows Plot No 181/1, S.No:998, Opp. Zydus Cadila Building, Satellite Road, S.G.Highway, Ahmedabad | Screening & s /appraisal. | scoping |
|---|------------------------------|---------|
|---|------------------------------|---------|

| | Particulars | Details |
|----|--|---|
| 1. | Proposal is for | New Project [SIA/GJ/NCP/41143/2015] |
| 2. | Type of Project | Residential |
| 3. | Project / Activity No. [8(a) or 8(b)] | 8(a) |
| 4. | Name of the project | The Bungalows |
| 5. | Name of Developer | E-City Projects Construction Pvt. Ltd. |
| 6. | Estimated Project Cost (Rs. In Crores) | Approximately Rs 125 crores. |
| 7. | Whether construction work has been initiated at site? If yes, details thereof | Construction work has not yet been started. |

| 8. | Project Details | • Land / Plot Area (m ²): 6,68 | 36.0 | | Τ | |
|-----|---------------------|--|---|--|----|--|
| | | • FSI area (m ²):26,522.98 | | | | |
| 1 | | • Total BUA (m2): 60.684.56 | 3 | | | |
| | | | | | | |
| | | | Permissible | Proposed | | |
| | | FSI Area (m ²) | 26.642.76 | 26.522.98 | | |
| | | Ground Coverage (m ²) | | 3.417.42 | | |
| | | Common Plot Area (m ²) | 855.0 | 858.38 | | |
| | | Max. building height (m) | 45 | 45 | | |
| 9 | Building Details | Nos of Buildings: 1 | | | _ | |
| 0. | Danang Doland | No. of blocks: 2 | | | | |
| | | Nos. of residential flats: 70 | | | | |
| | | Scope of buildings/blocks: | 2 level baseme | nt + ground floor + amenit | y | |
| | | floor + 15 floors. | | Ū . | | |
| | | • Details of amenities if an | y: Club, Steam/ | Sauna Room, Gymnasium | Ι, | |
| | | Yoga Room, Squash Cour | rt, Club Home Tl | heatre, Children's Play Area | а | |
| 10 | No. of expected | At full occupancy, number of | f residents will be | 350 | - | |
| 10. | residents / users | At full becupancy, number o | | | | |
| 11 | Water & waste water | Water requirement (KL/day | <i>ر</i>). 50 | | | |
| | details during | Source of water: AMC Water Supply | | | | |
| | construction phase | Waste water generation au | Waste water generation quantity (KL/dav): 4.0 | | | |
| | | Mode of disposal: AMC sewer | | | | |
| | | Details of reuse of water, if any: | | | | |
| 12. | Water & waste water | Fresh water requirement (KL/day):- 88.0 | | | | |
| | details during | • Source of water:- Water supply from Ahmedabad Municipal | | | | |
| | operation phase | Corporation (AMC) | | | | |
| | | Waste water generation qui Mode of disposal: Seward | antity (KL/day): (a will be dischar | 02.0 and through AMC drainage | ~ | |
| | | system | | geu infougri Aine urainagi | 3 | |
| | | | | | | |
| 13. | Status of water | Water supply & drainage co | nnection will be p | provided by AMC during the | | |
| | supply and drainage | operation phase after getting | g B.U permission | | | |
| | line | | | | | |
| 14. | Solid waste | Construction Phase: | | | | |
| 1 | Management | About 20,000 cu.m of ear | th will be excava | ted as a part of the project | t. | |
| 1 | | Of this, almost 10,000 cu | .m will be reuse | ed tor back filling within the | e | |
| 1 | | premises. The remaining | | posea for filling of low-lying idelines | J | |
| | | Municipal solid waste @ | 50 ka/day will b | e generated (200 workers | * | |
| | | 250 g/person/day). Garba | ige generated w | ill be collected in a prope | r | |
| | | manner and adequate me | asures will be ta | ken for its storage at source | е | |
| | | before its collection by AM | C for its ultimate | disposal. | | |
| | | In case of generation of debris during construction phase, it will be | | | | |
| | | stored properly in an earmarked area and will be used for filling within | | | | |
| | | AMC. | nsposed oll as | per prevaining guidennes d | Л | |
| | | Operation Phase: | | | | |
| | | Municipal solid waste @ 1 | 75 kg/day will be | generated (350 occupants | * | |
| 1 | | 500 g/person/day). | | | | |
| | | Details of segregation if to | be done: No seg | regation proposed. | | |
| | | 11 DINS (80 L capacity, each waste will be requiarly and | cn) will be provid | ed at various locations. The | ə | |
| | | | | rough designated contracto | 1 | |

| | | and disposed at sanitary landfill site. | | | |
|-----|-----------------------|--|--|--|--|
| 15. | Parking Details | Parking area requirement for the project as per GDCR: 5,304.6 m² Parking area requirement for residential units as per GDCR: 5,304.6 m² | | | |
| | | Total number of CPS requirement for the project as per NBC : 70 | | | |
| | | Total number of CPS requirement for the residential units as per NBC : 70 | | | |
| | | Total parking area provided for the project as per GDCR & NBC: 8,035.56 m² & 267 CPS | | | |
| | | Parking area provided in basement (m²) & No. of ECS: 5,237.98 m² & 164 CPS | | | |
| | | Parking area provided in hollow plinth (m²) & No. of ECS: 1,009.10 m² & 36 CPS | | | |
| | | Parking area provided at amenities floor (m²) & No. of ECS: 780.13 m² & 24 CPS | | | |
| | | Parking area provided as open surface parking (m²) & No. of ECS: 1,008.35 m² & 43 CPS. | | | |
| 16. | Traffic Management | Width of adjacent public roads: 12 m & 40 m wide TPS Roads | | | |
| | | Number of Entry & Exit provided on approach road/s: 2 gates will be provided. | | | |
| | | Width of Entry & Exit provided on approach road/s: 4.4 m & 6 m | | | |
| | | • Minimum width of open path all around the buildings for easy access of | | | |
| | | Midth of all internal roads: 6 m & 8 m | | | |
| | | • Traffic Study carried out for the road in front of premises during peak | | | |
| | | hours of morning (8 to 11 AM) & evening (5 to 8 PM). The PCU/hour | | | |
| | | worked out for the 10 m wide one-way road is 1371 and that for the 12 | | | |
| | | m wide two-way road is 350. As per IRC 86-1983 capacity in PCU/hr is | | | |
| | | For 10m wide one-way road: 2400 | | | |
| | | For 12m wide two-way road: 1500 | | | |
| | | • The existing road is adequate to take care of additional traffic due to | | | |
| | | the proposed residential project, considering movement of 350 cars at a time, which is the maximum. | | | |
| 17. | Details of Green | Fly ash paver blocks for pavements/walkways, Most of the carpentry | | | |
| | Building measures | structures will be made up of processed engineering wood/ particle | | | |
| | proposed. | board instead of wood, aluminum window frame & marble door frame | | | |
| | | instead of wood, PVC electrical boards, use of RMC, maximum Use of | | | |
| 10 | | cement concrete containing 25 % fly ash in it as per IS Code provisions. | | | |
| 18. | Energy Requirement, | Power supply: From Torrent Power Limited Maximum demand: 75 kW during construction phase and for operation | | | |
| | Conservation | phase it will be 1210.82 kW | | | |
| | Conscivation | • D.G.Sets: | | | |
| | | No. and capacity of the DG sets: 1×500 kVa | | | |
| 10 | | Fuel & its quantity: LDO: 100 Lit/hr at full load. | | | |
| 19. | Fire and Life Safety | Construction Phase: Personal Protective Equipments like earplugs, dust | | | |
| | weasures | trained to use welding shields and follow sefer practices provision | | | |
| | | related to first aid all electrical fittings/aguinments will most the related | | | |
| | | Is standards "H" frame scaffolds & ladders made of mild stand | | | |
| | | completely concealed copper wiring etc | | | |
| 20 | Details on staircase: | | | | |
| 20. | | | | | |

| 21. | Rain Water Harvesting | No. and depth of percolations wells : 2 nos Details on Pre-treatment facilities : Filtration & oil & grease removal | | | |
|-----|--------------------------|--|--|--|--|
| | (RWH) | | | | |
| 22. | Green area details | • Tree covered area (m ²) : 350.0 | | | |
| | | Area covered by shrubs and bushes (m²): | | | |
| | | • Lawn covered area (m ²): 680.0 | | | |
| | | • Total Green Area (m ²): 1,030.0 | | | |
| | | No. of trees and species to be planted: 100 trees of local species like Neem, Acacia, Gulmohar, Peltoforum, Amaltas. | | | |
| 23. | Budgetary allocation | Rs. 200 lacs. for EMP during the operation & construction phase of the | | | |
| | for Environmental | project. | | | |
| | Management Plan | | | | |
| | (Rs. in lacs) | | | | |
| 24. | Proposed dust | Temporary windshield barriers, regular water sprinkling, tarpaulin sheet | | | |
| | control measures | covers will be used on the material during the transportation, uniform | | | |
| | during the | piling of sand and proper storage to avoid dusting etc. | | | |
| | construction phase | | | | |
| 25. | Eco friendly building | Fly ash paver blocks for pavements/walkways, Most of the carpentry | | | |
| | material usage | structures will be made up of processed engineering wood/ particle | | | |
| | details. | board instead of wood, aluminum window frame & marble door frame | | | |
| | | instead of wood, PVC electrical boards, use of RMC, maximum Use of | | | |
| | | cement concrete containing 25 % fly ash in it as per IS Code provisions. | | | |
| 26. | Details of basic | Sanitation facilities, drinking water, municipal solid waste collection | | | |
| | amenities to be | facility, first aid, training related to safe practices etc. | | | |
| | provided to | | | | |
| | construction workers. | | | | |

During the meeting, the project proponent was suggested to provide Sewage Treatment Plant for treatment of sewage to be generated during the operation phase of the project. After detailed discussion, it was decided to consider the project only after submission of the following:

- Land possession documents showing ownership of land by the applicant/ project proponent, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site or a copy of documents showing the correspondences made in this regard and a copy of agreement made between the land owners & developers (if any).
- 2. Details of fire fighting system including location of fire water tanks & capacity, separate power system for fire fighting, automatic sprinkler system, fire detection system with alarms & automatic fire extinguishers, location of fire lift and fire retardant staircases, details of qualified and trained fire personnel & their job specifications, nearest fire station & time required to reach the proposed site etc. Calculation and provision of minimum fire water requirement based on fire study as well as the availability of external fire fighting facility.
- 3. Details of the exits and staircases on each floor for evacuation from the top level to the street level along with the distances between two such staircases in each building. Provision of two staircases to open at ground level from the highest point of building [with access from each floor], in each building having floor area more than 500 m2 on each floor.
- 4. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time, other technical

parameters etc. along with the budget allocation for its installation, operation & maintenance. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan, STP sludge management plan etc.

- 5. Revised water balance details considering the reuse of treated sewage for purposes like flushing, gardening etc. within premises.
- 6. Realistic details on parking area provision based on the actual area available for parking as open surface parking & in basement.

| 12 | Satkar Premium | Survey No. 209 + 210, F.P.No. 28, T.P. S. No. | Screening & scoping |
|----|----------------|--|---------------------|
| | | 97, Village: Naroda, Taluka: Asarwa, District: | /appraisal. |
| | | Ahmedabad. | |

| Sr. No. | Particulars | Details | | | | |
|------------|---|---|-------------------------------------|-------------|--|--|
| 1. | Proposal is for | New Project [SIA/GJ/NCP/420 | New Project [SIA/GJ/NCP/42051/2015] | | | |
| 2. | Type of Project | Residential & commercial project. | | | | |
| 3. | Project / Activity No. [8(a) or 8(b)] | 8 (a) | | | | |
| 4. | Name of the Project | Satkar Premium | | | | |
| 5. | Name of Project Proponent | M/s. Swati Associates | | | | |
| 6. | Estimated Project Cost (Rs. In Crores) | 42 Crore | | | | |
| 7. | Whether construction work has been initiated at site? If yes, details thereof | No construction work has been initiated at site. | | | | |
| 8. | Project Details | Land / Plot Area (m²):- 9,410.0 FSI area (m²):- 24,992.6 Total BUA (m²):- 37,280.4 | | | | |
| | | | Permissible | Proposed | | |
| | | FSI Area (m ²) | 25,407.57 | 24,992.6 | | |
| | | Ground Coverage (m ²) | Not Applicable | 3,894.0 | | |
| | | Common Plot Area (m ²) | 941 | 948.9 | | |
| | | Max. Building Height (m) | 30 | 24.85 | | |
| 9. | Building Details | No. of Buildings :- 7 No. of Blocks :- 7 Scope of Buildings/Blocks:- 1 block - Ground floor + 5 floors, 6 blocks - ground floor (parking & shops) + 7 floors. No. & size of Residential Units: Total 168 Flats. 3 BHK Flats :- 112 Flats - Size: approx. 114 m2 floor area. 4 BHK Flats :- 56 Flats - Size: approx. 114 - 121 m2 floor area No. & Type of Commercial Units:- Total 77 Units (24 Shops & 53 Offices) Details of Amenities if any:- None | | | | |
| 10. | No. of expected | Fixed population considered f | or the project :- 1,071 F | Persons | | |
| | residents / users | Floating population considere | d for the project: 1,428 | Persons/day | | |

| 11. | Water & waste water details during construction phase | Water requirement (KL/day):- 15 Source of water:- Local water tanker suppliers Waste water generation quantity (KL/day):- 4 Mode of disposal:- Septic tank / soak pit system Details of reuse of water, if any:- None | | | | | |
|-----|--|---|--|--|--|--|--|
| 12. | Water & waste water details during operation phase | Fresh water requirement (KL/day):- 145.0 Source of water:- Water supply from Ahmedabad Municipal Corporation (AMC) Waste water generation quantity (KL/day): 112.0 Made of disposal: Sowage will be discharged through AMC drainage system | | | | | |
| 13. | Status of water supply and drainage line Solid Waste | The existing water su Water supply & drain the B.U. permission. | age connection | connection is will be availab | adjacent t le to the p | to the project site. roject after getting | |
| 17. | Management | | | | | | |
| | | | Generation | Quantity to be reused | Mode of | Disposal/Reuse | |
| | | Top Soil | 4,800 m ³ | 4,800 m ³ | Developn greenbelt low lying | nent of & levelling of areas | |
| | | Other Excavated Earth | 19,200 m ³ | 19,200 m ³ | Levelling of low lying areas, plinth filling and development of green belt area at proposed site itself. | | |
| | | Construction Debris | 370 m ³ | 370 m ³ | Levelling roads, pavements, plot filling, plinth filling etc. | | |
| | | Steel Scrap | 2.5 MT | | To be dealer. | sold to scarp | |
| | | Discarded packing Materials/ Bags | 90,000 Bags | | To be so vendor. | ld to authorized | |
| | | Operation Phase: | | | | | |
| | | Type of waste | Generation Quantity (kg/day) | Mode of collect | waste tion | Mode of Disposal / Reuse | |
| | | Dry waste | 490 kg/day | 31 Nos. of the second s | of bins of 80 Will be regularly acity will be collected by for collection AMC for final | | |
| | | Wet waste of waste. disposal | | | | | |
| | | Details of segregation if to be done: Not to be done Capacity and no. of community bins to be placed within premises: Total 31 Nos. – each of 80 litre capacity Landfill site where waste will be ultimately disposed by local authority: at the | | | | | |
| 15. | Parking Details | nearest MSW collectTotal parking area reading | tion / dumping si equirement for th | ite of AMC. ne project as p | er GDCR: | 6,110.39 m ² | |
| | - | Parking area require Parking area require | ement for resider | ntial units as p arcial units as | er GDCR: « per GDCR | 4,257.27 m ² : 1,853.12 m ² | |

| | | | Total number of CPS requirement for the project as per NBC: 245 CPS |
|---|-----|-----------------------|--|
| | | | Number of CPS requirement for residential units as per NBC: 168 CPS |
| | | | Number of CPS requirement for commercial units as per NBC: 77 CPS |
| | | | • Total parking area provided (m ²) & No. of ECS: 9,061.32 m ² & 304 CPS |
| | | | • Parking area provided in basement (m ²) & No. of ECS: 6.382.86 m ² & 200 |
| | | | CPS |
| | | | Parking area provided in hollow plinth (m²) & No. of ECS: 1,708.97 m² & 61 CPS |
| | | | Parking area provided as open surface (m²) & No. of ECS: 362.71 m² & 16 CPS |
| | | | Parking area provided (at any other place-specify) (m²) & No. of ECS: 606.78 m² (common plot area) & 27 CPS. |
| | 16. | Traffic Management | • Width of adjacent public roads: 18 m wide T.P.S. road in East direction of the |
| | | Management | project site |
| | | | Number of Entry & Exit provided on approach road/s: Two gates, including one for basement entry, will be provided. |
| | | | Width of Entry & Exit provided on approach road/s: 7.5 m & 6 m |
| | | | • Minimum width of open path all around the buildings for easy access of fire |
| | | | tender (excluding the width for the plantation): At least 3 m |
| | | | Width of all internal roads: 7.5 m. |
| F | 17. | Details of Green | Maximum use of Ready Mix Concrete (RMC), fly ash paver blocks for |
| | | Building measures | pavements/walkways, most of the carpentry structures will be made up of |
| | | proposed. | processed engineering wood instead of wood, solar lights in common sunlit |
| | | | areas maximum use of Portland Pozzolona Cement (PPC) containing high |
| | | | amount of fly ash PVC electrical boards aluminium window frame & marble |
| | | | door frame instead of wood, rainwater harvesting by recharging the ground |
| | | | woter table through 2 perceletion wells, maximize the use of light colours in the |
| | | | water table through 5 percolation wells, maximize the use of light colours in the |
| | | | building envelope - to reduce neat absorption and associated cooling |
| L | 10 | | requirements etc. |
| | 18. | Energy | Power supply: |
| | | Requirement, | Maximum demand: |
| | | Source and | During Construction: 50 KW |
| | | Conservation | During Operation. 1.5 MW |
| | | | • Source. W/s. Torrent Power Limited (TPL) |
| | | | • Energy saving by Non-conventional Methods. Use of solar lighting in common sunlit areas |
| | | | • Energy saving measures: Use of solar lighting in common sunlit areas, |
| | | | maximum use of LED lights in each block, use of variable frequency drives |
| | | | motors to optimize power consumption, the individual building block has been |
| | | | oriented so as to have maximum natural daylight as well as ventilation, use of |
| | | | building material having lower U-value and the insulating material having |
| | | | higher R-value to have optimum energy performance, maximize the use of |
| | | | light and silent colours in the building envelope so that UV absorption is |
| | | | reduced and associated cooling requirements are minimized. |
| | 10 | | D.G. Sets: Not proposed. |
| | 19. | Fire and Life | • During the operation phase: Fire extinguishers, fire hydrant system, hose |
| | | Safety Measures | reels, down comers, manual alarm system will be provided. One underground |
| | | | water storage tank having 150 KL capacity & overhead tanks of 28 KL |
| | | | capacity on each individual block. |
| | | | • Nearest fire station is Jasodanagar-Maninagar fire station approx. (1.4 |
| | | | km). Time required for the fire tender to reach at the project site is 5-10 |
| | | | minutes |
| | | | |

| | | During the construct protective equipme gloves, etc will be welding shields an related training to t machines, chains, i scaffolds & ladders all electrical fittings | During the construction phase: Fire extinguishers in common areas, personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safer practices, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes, and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. | | | | |
|-----|---|---|--|--|--|-------------------------------|--|
| 20. | Details on stairc | ase | | | | | |
| | Type & No. of Buildings | No. of Floors | Floor Area | No. of Staircase | Width of the Staircase | Travel Distance | |
| | A | Ground Floor + 5 Floors | 625.84 m ² | 2 | 1.50 m | 27.5 m | |
| | B, C, F, G | S.P. / H. P. + 7 Floors | 454.32 m ² | 1 | 1.52 m | 16 m | |
| | D | H. P. +7 Floors | 452.68 m ² | 1 | 1.52 m | 19.5 m | |
| | E | H. P. +7 Floors | 485.74 m ² | 1 | 1.52 m | 21 m | |
| 21. | Rain Water Harvesting (RWH) | No. and depth of period Details on Pre-treat arrangements of file Gratings at mouth leaves, debris and file monsoon season. If During rainy season flush and filters) we cleaned after every | No. and depth of percolations wells : 3 Nos., 40 m depth Details on Pre-treatment facilities: Before recharging rain water, suitable arrangements of filtering (preferably sand filtration media) will be provided. Gratings at mouth of each drainpipe will be provided on terraces to trap leaves, debris and floating materials. Filter media will be cleaned before every monsoon season. First rain separator will be provided to flush off first rains. During rainy season, the whole system (roof catchment, pipes, screens, first flush and filters) will be checked before and after each rain and preferably cleaned after every dry period exceeding a month. | | | | |
| 22. | Green area deta | Tree covered area (Area covered by sh Lawn covered area Total Green Area (n Green Area % of pla No. of trees and s Jamun, Chickoo etc | (m ²) : 276.0 rubs and bushes (m ²): 342.0 n ²): 1,155 ot area: 12.3 % species to be pla s, will be preferred | (m²): 537.0 anted: 92 tr | ees of Asopala | ıv, Gulmohar, | |
| 23. | Jamun, Chickoo etc. will be preferred. Budgetary Budgetary allocation for Environmental Management Plan (Rs. in lacs) | | | | proposed for & operation | | |
| 24. | Dust control measures | Temporary windshiel on the material durin (RMC), uniform piling | ld barriers, regula g the transportatio) of sand and prop | ar water spr on, maximur oer storage t | inkling, tarpaulir n use of Ready o avoid dusting. | n sheet cover Mix Concrete | |
| 25. | Eco friendly building materialsMaximum use of Ready Mix Concrete (RMC), fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up or processed engineering wood instead of wood, maximum use of Portlan Pozzolona Cement (PPC) containing high amount of fly ash. | | | er blocks for made up of e of Portland | | | |
| 26. | Facilities to provided to construction workers | be Sanitation facilities, d | lrinking water, mu | nicipal solid | waste collectior | facility etc. | |

| 27. | Documents related \ | /illage form no. 7/12 submitted | by them shows that | t the land for residential & |
|---------|-----------------------------------|---|------------------------|--------------------------------|
| | to land possession. | commercial use is in the name | of M/s Swati Assoc | ciates through its partners |
| | i | ncluding the name of the applica | nt. | |
| During | the meeting, when su | ggested by the committee, the | project proponent | was agreed to increase the |
| parkin | g area provision by prov | viding additional parking as med | hanical parking. Afte | er detailed discussion, it was |
| decide | ed to consider the project | t only after submission of the fol | lowing: | |
| | | - | Ū | |
| 1. R | evised details with incre | ased parking area provision con | sidering the propose | d mechanical parking along |
| wi | th the details on mecha | nical parking, its maintenance 8 | operations, provisio | on of adequate basement |
| he | eight etc. | | | |
| 13 | Swagat Agacia | S. No.162/2,410/2,410/3,4 | 10/4, F.P.No.21/2, | Screening & scoping / |
| | | Dist [.] Gandhinagar | r, Sargasan, Ta & | appraisai |
| | | Dist. Cananinagar. | | |
| Details | s of the proposed projec | t as presented before the comm | ittee is tabulated bel | ow: |
| | | - | | |
| Sr. | Particulars | Details | | |
| No. | | | | |
| 1 | Dropool in far | | 0707/00451 | |
| 1. | Type of Project | Residential project | 2/3//2015] | |
| 2. | Project / Activity | | | |
| 0. | No. [8(a) or 8(b)] | 0 (0) | | |
| 4. | Name of the project | Swagat Agacia | | |
| 5. | Name of Developer | M/s. Swagat Infrastructure I | Pvt Ltd. | |
| 6. | Estimated | Rs. 31 Crore approx. | | |
| | Project Cost | | | |
| | (Rs. In Crores) | - NI- | | |
| 1. | work has been | n No | | |
| | initiated at site? | | | |
| | If yes, details thereo | f | | |
| 8. | Project Details | • Total land area (m ²): 8,00 | 0.0 | |
| | | • FSI area (m ²):17,939.84 | | |
| | | • Total BUA (m ²): 32,046.57 | , | |
| | | | Permissible | Proposed |
| | | FSI Area (m ²) | 18,000 | 17,939.84 |
| | | Ground Coverage (m ²) | NA | 1,778.28 |
| | | Max, building hoight (m) | | 51 73 |
| 9 | Building Details | No. of Buildings: 4 | | 01.70 |
| 5. | Dulluling Details | No. of Blocks: 4 | | |
| | | Scope of buildings/blocks: | 3 buildings - 2 level | Basement + Hollow Plinth |
| | | + Ground floor + 11 floors | . 1 building - 2 level | Basement + Hollow Plinth |
| | | + Ground floor + 10 floors | | |
| | | No.& size of Residential U | nits: 140 units | |
| | | No. & size of commercial u | units: | |
| | | Details of amenities if any: | Required Amenities | s will be provided |
| 10. | No. of expected residents / users | 656 residents | | |
| 11. | Water & waste | • Water requirement (KL/da | y): 9.05 | |
| | water details | Source of water: Local wa | ter tankers | |
| | during | Waste water generation quality of the second s | uantity (KL/day): 3.0 | |
| | CONSTRUCTION | Mode of disposal: Into sep | tic tank / soak pit sy | stem. |

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| | phase | Details of reuse | e of water, if ar | ny: No | |
|----------|----------------------|--|----------------------|------------------------------|---|
| 12. | Water & waste | Fresh water reg | quirement (KL/ | /day): 89.0 | |
| | water details during | Source of water: GUDA water supply system. | | | |
| | operation phase | Waste water ge | eneration quar | ntity (KL/day) | :70.0 |
| | | Mode of dispos | al: Into draina | ge line of Gl | JDA. |
| 13. | Status of water | Available at site | | | |
| | supply and drainage | | | | |
| | | O an a firm a film Dh | | | |
| 14. | Solid Waste | Construction Ph | ase: | Quantity | Mada of |
| | Management | | (m^3) | | |
| | | | (111) | reused | Reuse |
| | | | | (m ³) | |
| | | | 0.050 | , <i>,</i> | |
| | | Top Soil | 8,252 | 8,252 | Will be used |
| | | | | | development |
| | | Other | 20.511 | 20.511 | Will be reused for back |
| | | excavated | 20,011 | 20,011 | filling and levelling of low |
| | | earth | | | lying areas and balance |
| | | | | | earth |
| | | | | | will be used in other |
| | | Ormation | | | projects in the vicinity. |
| | | Construction | What so | What so | Will be refilled |
| | | debris | ever | ever | nremises |
| | | | | | promises. |
| | | Steel scrap | Send to recv | l | |
| | | | | | |
| | | Discarded | Cement bags | s, waste pap | er and cardboard packing |
| | | packing | material will b | be sold off to | recyclers. |
| | | materials | | | |
| | | Operation Phas | se: | | |
| | | Type of waste | Generation | Mode of | Mode of |
| | | | Quantity (Kg/day) | waste | Disposal / |
| | | | (itg/day) | conection | iteuse |
| | | Dry waste | 328 kg | Into | Sold to |
| | | 8 | | separate | vendors |
| | | VVet waste | | bins | Final disposal |
| | | | | naving | into GUDA |
| | | | | capacity | bins |
| | | | | 0.5 m^3 | |
| | | | | | |
| | | Details of segre | egation if to be | done: yes | |
| | | Capacity and n | o. of communi | ity bins to be | e placed within premises: total 8 |
| | | Nos. of bins wi | th 80 Liter cap | acity will be | provided within premises. |
| | | • Landfill site wh | nere waste wil | l be ultimate | ely disposed by local authority: |
| 45 | Doubling Datalla | Final disposal t | nrough GUDA | Waste Man | agement Authority. |
| 15. | Traffic Management | I otal parking a | rea requireme | nt for the pro | pject as per GDCR: 1,794 m2 |
| | | Total number of a Total Darking a | N CPS require | | project as per NBC :140 $CPS: 0.617.2 \text{ m}^2 \text{ s} 205.0PS$ |
| | | Parking area n | nea provided (| (11) (110. Of some (m^2) | 8. No of CDS: 7.667 $A_{\rm c}$ m ² 9 |
| | | | | sement (111) | a NU. UI CF3.1,001.40 III & |
| | | Parking area p | rovided as HP | surface (m ² | ²) & No. of CPS: 1.577.32 m ² & |
| <u> </u> | | 280 th meeting of SF | AC-Guiarat Date | ed 18 02 2016 | , |

| | | 56 CPS. Parking area provided as open surface (m²) & No. of CPS: 372.42 m² & 16 CPS. | | | |
|----------|--|--|--|--|--|
| 16. | Traffic Management | Width of adjacent public roads: 12 m and 18 m wide road Number of Entry & Exit provided on approach road/s: Total two gates will be provided. Width of Entry & Exit provided on approach road/s: 7.5 m Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m Width of all internal roads: 7.5 meter | | | |
| 17. | Details of Green Building measures proposed. | Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of aerated block, use of LED lighting fixtures and low voltage lighting, solar lighting in open and landscape areas- 10 nos. of solar lighting, roof top thermal insulation etc. | | | |
| 18. | Energy Requirement, Source and Conservation | Power supply: Maximum demand: 1,250 KVA Connected load: 1,250 KVA Source: UGVCL % of saving with calculations: ~40% by use of LED, solar lights and star rated energy efficient electronic consumer durables Compliance of the ECBC guidelines (Yes / No),if yes, compliance in tabular form: only roof area DG Sets: No. and capacity of the DG sets:1 × 60 KVA Fuel & its quantity: HSD, 10 litre/hr | | | |
| 19. | Fire and Life Safety Measures | During Construction Phase: Provision of Personal Protective Equipment's (PPEs) and its usage shall be ensured and supervised, training on construction safety aspects, first aid room with first aid kit, doctor & ambulance service. During operation phase: Fire extinguishers, hose reel, manually operated electric fire alarm system, underground static water storage tank-100 KL, terrace tank -50 KL (total capacity),automatic sprinkler system in basement, pump near underground static water storage tank (fire pump) with minimum pressure of 3.5 kg/cm2 at terrace level –one electric and one diesel pump of capacity 2,280 lit/min and one electric | | | |
| 20. | Details on staircase | Type & no.No. of floorsFloor area m2No. of staircaseWidth of the staircaseTravel distance (m)"A" BlockG + 11313.1112.6718.8"B" BlockG + 11289.0812.6718.8"C" BlockG + 11448.4812.6718.8"D" BlockG + 10448.4812.6718.8 | | | |
| 21. | Rain Water Harvesting (RWH) | Level of the Ground water table: 20 m No. & dimensions of RWH tank(s) : 2 No and 2.5m X 2.0 m X 3.0 m No. and depth of percolations wells : 2 Nos and 15 m | | | |
| 22 | Green area details | Details on Pre-treatment facilities : oil and grease removal and filter Tree covered area (m²) :219.0 | | | |
| <u> </u> | | | | | |

| Area covered by shrubs and bushes (m ²):199.38 e. Lawn covered area (m ²):199.48 Green Area (m ²):199.48 Green Area (m ²):199.48 Green Area (m ²):199.48 Server and Gulmohar Spraying of water, peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc. Finvironmental Management Plan (Rs. in lacs) Capital cost of Rs. 19.0 lacs and recurring cost of Rs. 10.0 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbeit development, environment monitoring & management, waste management etc. Fiy ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc. Construction workers. Details of ecofriendly Building materials Sanitation facilities & welfare facilities as per the Gujarat Building & Other Construction workers. Documents related to land possession. Wilage form no. 7 & N.A orders submitted for all the survey numbers show that the N.A land for residential & commercial use are in the name of applicant Mr. Tarun S. Varma & others. During the meeting, after detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance. Valthan Hotel Building B.N. 7, 8, 13, 15/P, Moje: Valthan, Ta: Screening & scoping Kamrej, Dist.Surat Details of the proposed project as presented before the committee is tabulated below: S.No Particulars Details No. Res Project (SIA/GJ/NCP/42381/2016] Type of Project Building and Construction Projects Name of Developer Activity 8(a) No. A stare as the project Nativity 8(a) No. Res 282.38 crores. Crores) Whether construction work has been initiated at the related to large in the range of the project / Activity Roles Activity 8(a) No. Res 282.38 crores. Crores) Weither construction work has been initiated at the reles and construction Projects No. Activity 8(a) No. Res 282.3 | | | 1 | | |
|---|------------|-------------------------|-------|--|-----------------------------|
| Eawn covered area (m ²): 1566.47 m ² Fotal Green Area (m ²): 1566.47 m ² Fotal Green Area (m ²): 1566.47 m ² Fotal Green Area (m ²): 1566.47 m ² Fotal Green Area (m ²): 1566.47 m ² Fotal Green Area (m ²): 1566.47 m ² Fotal Green Area (m ²): 1566.47 m ² Fotal Green Area (m ²): 1566.47 m ² Fotal Asopalay, and Gulmohar Spraying of water, peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc. Fotal Rs. in lacs) Capital cost of Rs. 19.0 lacs and recurring cost of Rs. 10.0 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc. Details of ecofriendly Building materials Sanitation facilities & welfare facilities as per the Gujarat Building & Other Construction workers. Details of basic amenities to be provided to construction Workers Rules. To Documents related to Village form no. 7 & N.A orders submitted for all the survey numbers show that the N.A land for residential & commercial use are in the name of applicant Mr. Tarun S. Varma & others. During the meeting, after detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance. SNo Particulars Details for New Project(SIA/GJ/NCP/42381/2016) Type of Project Building and Construction Projects No, (8(a) or 8(b)] Kamrej, Dist.Surat No, Rea of Developer Jayantibhai V Narola & Ishvarbai A Dholakia Kamrej Asea and Started A Dholakia Started Project Costruction work has been initiated a the context and the s | | | | Area covered by shrubs and bushes (m²):199. | 38 |
| Total Green Area (m²):1,984.85 Green Area % of plot area: 20% No. of trees and species to be planted: 100 -number of trees of Limbdo, Pipal , Asopalav, and Gulmohar Budgetary allocation for Environmental Management Plan (Rs. in lacs) Dust control measures allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management etc. Details of ecofriendly Building materials Details of ecofriendly Building materials Sintation facilities & welfare facilities as per the Gujarat Building & Other Construction workers. Details of be provided to construction Workers Rules. Documents related to Ulage form no. 7 & N.A orders submitted for all the survey numbers show that the NA land for residential & commercial use are in the name of applicant Mr. Tarun S. Varma & others. Ualthan Hotel Building B. No. 7, 8, 13, 15/P, Moje: Valthan, Ta: Screening & scoping Kamrej, Dist.Surat Details of the proposed project as presented before the committee is tabulated below: S.No Particulars Details Progoal is for New Project(SIA/GJ/NCP/42381/2016) Type of Project Building R. Sa. 28.38 crores. Name of Developer Jayantibhai V Narola & Ishvarbai A Dholakia Name of Developer Jayantibhai V Narola & Ishvarbai A Dholakia No. A at site of the project Valithan Hotel Building No. A set 2.38 crores. | | | | Lawn covered area (m²): 1566.47 m² | |
| Green Area % of plot area: 20% Soft trees and species to be planted: 100 -number of trees of Limbdo, Pipal , Asopalav, and Gulmohar Spraying of water, peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc. Soft area and species to be planted: 100 -number of trees of Limbdo, Pipal , Asopalav, and Gulmohar Soft area, covering the excavated earth with tarpaulin sheet etc. Soft area, and set and set area and set and | | | | Total Green Area (m²):1,984.85 | |
| No. of trees and species to be planted: 100 -number of trees of Limbdo, Pipal , Asopalav, and Gulmohar Budgetary allocation for Environmental Management Plan (Rs. in lacs) Dust control Research and Capital cost of Rs. 19.0 lacs and recurring cost of Rs. 10.0 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbedt development, environment monitoring & management, environment monitoring & management etc. Details of ecofriendly Building materials Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc. Details of basic antitation facilities & welfare facilities as per the Gujarat Building & Other construction workers. Documents related to land possession. Village form no. 7 & N.A orders submitted for all the survey numbers show that the N.A land for residential & commercial use are in the name of applicant Mr. Tarun S. Varma & others. During the meeting, after detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance. Valthan Hotel Building B. No. 7, 8, 13, 15/P, Moje: Valthan, Ta: Screening & scoping Kamrej, Dist:Surat Proposal is for New Project[SIA/GJ/NCP/42381/2016] Type of Project as presented before the committee is tabulated below: Sino Perticulars Details Project / Activity 8(a) Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia Estimated Project Valthan Hotel Building Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia | | | | Green Area % of plot area: 20% | |
| Pipal , Asopalav, and Gulmohar 23. Budgetary allocation for Environmental Management Plan (Rs. in lacs) Spraying of water, peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc. 24. Dust control measures Capital cost of Rs. 19.0 lacs and recurring cost of Rs. 10.0 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc. 25. Details of ecofriendly Building materials Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc. 26. Details of basic amenities to be provided to construction workers. Sanitation facilities & welfare facilities as per the Gujarat Building & Other Construction Workers Rules. 27. Documents related to land possession. Village form no. 7 & N.A orders submitted for all the survey numbers show that the N.A land for residential & commercial use are in the name of applicant Mr. Tarun S. Varma & others. 14 Valthan Hotel Building B. No. 7, 8, 13, 15/P, Moje: Valthan, Ta: Karnej, Dist:Surat Screening & scoping Karnej, Dist:Surat 12 Particulars Details Mew Project(SIA/GJ/NCP/42381/2016] Project / Activity No. 8(a) or 8(b)] Rs. 282.38 crores. 14 Valthan Hotel Building Rs. 282.38 crores. Rs. 282.38 crores. Corefs) </td <td></td> <td></td> <td></td> <td> No. of trees and species to be planted: 100 -r </td> <td>number of trees of Limbdo,</td> | | | | No. of trees and species to be planted: 100 -r | number of trees of Limbdo, |
| 23. Budgetary allocation for Environmental Management Plan (Rs. in lacs) Spraying of water, peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc. 24. Dust control measures Capital cost of Rs. 19.0 lacs and recurring cost of Rs. 10.0 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc. 25. Details of basic amenities to be provided to construction workers. Sanitation facilities & welfare facilities as per the Gujarat Building & Other Construction Workers Rules. 27. Documents related to land possession. Village form no. 7 & N.A orders submitted for all the survey numbers show that the N.A land for residential & commercial use are in the name of applicant Mr. Tarun S. Varma & others. During the meeting, after detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance. 14 Valthan Hotel Building Project / Activity No. [8(a) me of the project as presented before the committee is tabulated below: S.No Particulars Project / Activity No. [8(a) me of the project 1. Proposal is for Project / Activity No. [8(a) me of the project 2. Name of Developer Building al Construction Projects 3. Project / Activity Karmerj, Dist/Surat 6. Estimated Project Valthan Hotel Building 7. <td< td=""><td></td><td></td><td></td><td>Pipal, Asopalav, and Gulmohar</td><td></td></td<> | | | | Pipal, Asopalav, and Gulmohar | |
| for Environmental Management loading area, covering the excavated earth with tarpaulin sheet etc. 24. Dust control Capital cost of Rs. 19.0 lacs and recurring cost of Rs. 10.0 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc. 25. Details of ecofriendly Building materials Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc. 26. Details of basic amenities to be provided to construction workers. Sanitation facilities & welfare facilities as per the Gujarat Building & Other Construction Workers Rules. 27. Documents related to land possession. Village form no. 7 & N.A orders submitted for all the survey numbers show that the N.A land for residential & commercial use are in the name of applicant Mr. Tarun S. Varma & others. 214 Valthan Hotel Building B. No. 7, 8, 13, 15/P, Moje: Valthan, Ta: Screening & scoping Kamrej, Dist:Surat 10 Particulars Details Etails 1. Proposal is for New Project[SIA/GJ/NCP/42381/2016] 1. 2. Type of Project Building and Construction Projects 3. 3. Project / Activity No. [8(a) or 8(b)] 8(a) 4. 4 Name of the project V | 23. | Budgetary allocation | ۱ | Spraying of water, peripheral barricading, cover | ed shed for cement |
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| 1. Proposal is for New Project[SIA/GJ/NCP/42381/2016] 2. Type of Project Building and Construction Projects 3. Project / Activity No. [8(a) or 8(b)] 8(a) 4. Name of the project Valthan Hotel Building 5. Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, detail thereof No. | S.No | Particulars | Det | ails | |
| 1. Proposal is for New Project[SIA/GJ/NCP/42381/2016] 2. Type of Project Building and Construction Projects 3. Project / Activity No. [8(a) or 8(b)] 8(a) 4. Name of the project Valthan Hotel Building 5. Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, detail theracef No. | | | 200 | | |
| 2. Type of Project Building and Construction Projects 3. Project / Activity No. [8(a) or 8(b)] 8(a) 4. Name of the project Valthan Hotel Building 5. Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, data is the project No. | 1. | Proposal is for | Nev | w Project[SIA/GJ/NCP/42381/2016] | |
| 3. Project / Activity No. [8(a) or 8(b)] 8(a) 4. Name of the project Valthan Hotel Building 5. Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, datails thereaft No. | 2. | Type of Project | Bui | Iding and Construction Projects | |
| No. [8(a) or 8(b)] 8(a) 4. Name of the project Valthan Hotel Building 5. Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, details thereaf No. | 3. | Project / Activity | 0/- | | |
| 4. Name of the project Valthan Hotel Building 5. Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, detries thereaf No. | | No. [8(a) or 8(b)] | 8(a |) | |
| 5. Name of Developer Jayantibhai V Narola & Ishvarbhai A Dholakia 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, details thereof No. | 4. | Name of the project | Val | than Hotel Building | |
| 6. Estimated Project Cost (Rs. In Crores) Rs. 282.38 crores. 7. Whether construction work has been initiated at site? If yes, details thereof No. | 5. | Name of Developer | Jay | antibhai V Narola & Ishvarbhai A Dholakia | |
| Cost (Rs. In Crores) Rs. 282.36 crores. 7. Whether construction work has been initiated at site? If yes, details thereof No. | 6. | Estimated Project | De | 282.28 croros | |
| Crores) 7. Whether construction work has been initiated at site? If yes, details thereof | | Cost (Rs. In | πъ. | 202.30 CIDIES. | |
| 7. Whether construction work has been initiated at site? If yes, details thereaf | | Crores) | | | |
| construction work has been initiated at site? If yes, | 7. | Whether | | | |
| has been initiated No. at site? If yes, | | construction work | | | |
| at site? If yes, | | has been initiated | No. | | |
| details thereof | | at site? If yes, | | | |
| | | details thereof | | | |

| e. Net Plot Area (m²): 89,524.00 FSI area (m²): 82,186.80 FSI Area (M²): 8,983.80 m² 5,665,71 m² Max. building height (0.0 m 42,14 m 44,14 m 44,14 | 8. | Project Details | • Land / Plot Area (m ²): 96,938.0 | | | | |
|---|-----|----------------------|---|----------------------------|------------------|----------------|--------------------------|
| FSI area (m²): 82,186.80 FSI Area 3,13,34.0 Proposad FSI Area 3,13,34.0 B2,186.80 m² Ground Coverage 2,657.20 m² 19,200.83 m² Common Plot Area 9,693.80 m² 5,665.71 m² Max. building height 60.0 m 42,14 m Total BUA (m²): 1,20,945.42 No./type of Buildings: 06 No. of blocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with mini theatre Scope of buildings/blocks: Basement + ground floor + 11 floors. No. & size of Residential Units: NA. No. & size of Residential Units: NA. No. s exist of Residential Units: 33/illas+3 hotel building+1staff quarter + 1 Health club with mini theatre. Details of amenities if any: NA No. of expected residents / users Total Visitors 3112 Guest Water requirement (KL/day): 13.0 Source of water: Water supply from Surat Urban Development Authority (SUDA). Waste waste water details during construction phase Fresh water generation quantity (KL/day): 274.0 Source of water: If any: Not applicable. Fresh water generation quantity (KL/day): 36.0 Mode of disposal: The sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed on treate of STP provision. capacity of STP. 450 KL/day. STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. Purposes for treated water utilization: Gardening & flushing. Quantity and type (treated water utilization: Gardening & flushing. Quantity and type (treated water utilization: Gardening & flushing. Quantity and type (treated water utilization: Gardening & flushing. Quantity and type (treated water utilization: Gardening & flushing. <l< th=""><th></th><td></td><td colspan="3">• Net Plot Area (m²): 89,524.00</td><td></td></l<> | | | • Net Plot Area (m ²): 89,524.00 | | | | |
| Image: Second | | | • FSI area (m ²): 82,186.8 | 0 | | | |
| Permissible Proposed FSI Area 313,334.0 82,186.80 m² Ground Coverage 26,857.20 m² 19,200.83 m² Common Piot Area 9,683.80 m² 5,665.71 m² Max. building height 60.0 m 42.14 m • Total BUA (m²): 1,20,945.42 • • 9. Building Details • No. /pe of Buildings: 06 • No. of Biocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with mini theatre • • Scope of buildings/blocks: Basement + ground floor + 11 floors. • • No. & size of Residential Units: 30:/llas+3 hotel building+1staff quarter + 1 Health club with mini theatre. • Details of amenities if any: NA 10. No. of expected residents / users 100 11. Water & waste • Water requirement (KL/day): 13.0 • Source of water: Water supply from Surat Urban Development Authority (SUDA). • • Details of reuse of water, if any: Not applicable. • 12. Water & waste water generation quantity (KL/day): 274.0 • 9. Source of water: Water supply from SUDA. <td< th=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
| Image: Second Coverage 3,13,334.0 82,186.80 m ² Ground Coverage 26,857.20 m ² 19,200.83 m ² Image: Second Coverage 26,857.20 m ² 19,200.83 m ² 9. Building Details • No./Type of Buildings: 06 • No./Type of Buildings: 06 • No. of Bocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with mini theatre • Scope of buildings:blocks: Basement + ground floor + 11 floors. • No. & Stype of Commercial Units: 33/Ilas+3 hotel building+1staff quarter + 1 Health club with mini theatre. • Details of amenities if any: NA 10. No. of expected residential Units: 13.0 • Details of amenities if any: NA 10. No. of expected residential Units: 13.0 • Details of amenities if any: NA 11. Water A waste water generation quantity (KL/day): 13.0 • Source of water: Water supply from Surat Urban Development Authority (SUDA). 12. Water & waste operation quantity (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. 12. Water & waste of Firesh water requirement (KL/day): 274.0 • Waste water generation quantity (KL/day): 365.0 12. Water & waste of STP provision, capacity of STP: 450 KL/day. • Fresh water requirement (KL/day): 365.0 13. | | | | Permissib | le | Pro | posed |
| Image: Second Coverage 28.657.20 m² 19.200.83 m² Common Ploi Area 9.693.80 m² 5.665.71 m² Max. building height 60.0 m 42.14 m • Total BUA (m²): 1,20,945.42 • 9. Building Details • • No. /type of Buildings: 06 • • No. of Blocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with mini theatre • • Scope of buildings/blocks: Basement + ground floor + 11 floors. • • No. & size of Residential Units: 33villas+3 hotel building+1staff quarter + 1 Health club with mini theatre. • • Details of amenities if any: NA • • 10. No. of expected residents / users Total Staff 394 Total Visitors 3112 Guest 1209 Occupants 60 Occupants 60 11. Water & waste • Water requirement (KL/day): 13.0 Water state water generation quantity (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tark and soak pits. • Details of reuse of water; if any: Not applicable. 12. Water & waste • Fresh water generation quantity (KL/day): 27.4 | | | FSI Area | 3,13,334. | 0 | 82, | 186.80 m ² |
| 9. Building Details • Total BUA (m ²), 1,20,945.42 9. Building Details • No. /hype of Buildings: 06 • No. of Blocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with min itheatre • Scope of buildings/blocks: Basement + ground floor + 11 floors. • No. & Stype of Commercial Units: 33/illas+3 hotel building+1 staff quarter + 1 Health club with min itheatre • Scope of buildings/blocks: Basement + ground floor + 11 floors. • No. & type of Commercial Units: 33/illas+3 hotel building+1staff quarter + 1 Health club with min itheatre. • Details of amenilies if any: NA 10. No. of expected Total Staff 384 Total Visitors 3112 Guest 1209 Guest 1209 Occupants 60 11. Water & waste • Source of water: Water supply from Surat Urban Development Authority (SUDA). • Water requirement (KL/day): 13.0 12. Water & waste • Fresh water generation quantity (KL/day): 274.0 • Mode of disposal: The sewage generated will be sent to temporary septic tan and soak pits. 12. Water & waste • Treatel serve supply from SUDA. • Waste water generation quantity (KL/day): 274.0 • Waste water generation quantity (KL/day): CAU • Source of water: Water supply from SUDA. • Mo | | | Ground Coverage | 26,857.20 |) m ² | 19, | 200.83 m ² |
| Max. building height 60.0 m 42.14 m 9. Building Details • No. fype of Buildings: 06 • No. fype of Buildings: 06 9. Building Details • No. of BlockS/units: 33 villas+3 hotel building+1 staff quarter+1 Health club with min theatre 9. Sope of buildings/blocks: Basement + ground floor + 11 floors. • No. & size of Residential Units: NA. 10. No. of expected residential Units: 33 villas+3 hotel building+1 staff quarter + 1 Health club with mini theatre. • Details of amenities if any: NA 10. No. of expected residents / users • Total Staff 384 10. No. of expected residents / users • Water requirement (KL/day): 13.0 • Water requirement (KL/day): 13.0 11. Water & waste water generation quantity (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. 12. Water & waste water generation quantity (KL/day): 274.0 • Source of water: Water supply from SUDA. 9. • Meater requirement (KL/day): 375.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed of through u/g drianage system of SUDA. 12. Water & waste of disposal: Conventional STP c | | | Common Plot Area | 9,693.80 | m² | 5,6 | 665.71 m ² |
| 9. Building Details No./type of Buildings: 06 9. Building Details No. of Blocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with mini theatre 9. Scope of buildings/blocks: Basement + ground floor + 11 floors. 10. No. of expected 10. No. of expected 11. Water & waste 12. Water & waste 13. Water & waste 14. Water & waste 15. Water & waste 16. Water & waste 17. Water requirement (KL/day): 13.0 18. Water requirement (KL/day): 2.4 19. Water details during 10. Source of vater: Water supply from Surat Urban Development Authority (SUDA). 11. Water waste 12. Water details during 0 freuse of water; if any: Not applicable. 12. Water & waste 12. Water & waste 12. Water & waste 13. Status of STP provision, capacity of STP: 450 KL/day. 14. Status of disposal: Sewage to be generated will be treated in the proposed | | | Max. building height | 60.0 m | | 42. | 14 m |
| 9. Building Details No./type of Buildings: 06 9. No. of Blocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with mini theatre 9. No. of Blocks/units: 33 villas+ 3 hotel building+1 staff quarter +1 Health club with mini theatre 9. No. of expected residents / users • Details of amenities if any: NA 10. No. of expected residents / users • Distails of amenities if any: NA 11. Water & waste water details during • Water requirement (KL/day): 13.0 construction phase • Water requirement (KL/day): 24 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. • Details of reuse of water: Water supply from SUDA. • Waste water generation quantity (KL/day): 24. • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within propose within propose within propose within greater averiang eremaining quantity of KL/day. 12. Water & waste • Fresh water quirement. • Coroventional STP comprising of primary + secondary + tertiary treatment. • Provision of dual plumbing system of SUDA. • Mode of disposal: Conventional STP comprising of primary + secon | | | • Total BUA (m ²): 1,20,94 | 5.42 | | | |
| No. of Blocks/units: 33 villas+ 3 hotel building+1 staff quarter+1 Health club with mini theatre Scope of buildings/blocks: Basement + ground floor + 11 floors. No. & size of Residential Units: NA. No. & type of Commercial Units: 33villas+3 hotel building+1staff quarter + 1 Health club with mini theatre. Details of amentities if any: NA No. of expected residents / users Total Staff Total Staff Guest 1209 Occupants 60 Water details during water details during Source of water: Water supply from Surat Urban Development Authority (SUDA). Water details during operation phase Petails of reuse of water. if any: Not applicable. Petails of reuse of water. if any: Not applicable. Water & waste water generation quantity (KL/day): 24. Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. Details of reuse of water. Water supply from SUDA. Waste water generation quantity (KL/day): 365.0 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed of fthrough u/g drainage system of SUDA. In case of STP provision, capacity of STP. 450 KL/day. STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. Purposes for treated water utilization: Gardening & flushing. Quantity of treated water to be reused: 1.Gardening (KL/day): 48.0 Provision of dual plumbing system (Yes/No): Yes. Quantity of treated unter et ade available to the project during the operation phase inc of suppose will be discharged in to u/g drainage line of SUDA. Mode of di | 9. | Building Details | No./type of Buildings: 0 | 6 | | | |
| 10. No. 6 expected residents / users • Scope of buildings/blocks: Basement + ground floor + 11 floors. • No. & type of Commercial Units: 33villas+3 hotel building+1staff quarter + 1 Health club with min theater. • Details of amenities if any: NA 10. No. of expected residents / users • Users Total Staff Number of Users 384 Total Visitors 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 12. Water & waste water details during operation phase • Fresh water generation quantity (KL/day): 2.4 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 13. Status of water supply and drainage line • Fresh water requirement (KL/day): 274.0 14. Source of water: Water supply from SUDA. • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. • In case of STP provision, capacity of STP.450 KL/day. • Countity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during monsoon season & 198.0 KLD during monsoon s | | | No. of Blocks/units: 33 | villas+ 3 ho | tel building+1 | staff | quarter+1 Health club |
| Scope of buildings/blocks: Basement + ground floor + 11 floors. No. & size of Residential Units: NA. No. & type of Commercial Units: 33villas+3 hotel building+1staff quarter + 1 Health club with mini theatre. Details of amenities if any: NA No. of expected residents / users <u>Users Total Staff 384</u> <u>Total Visitors 3112</u> <u>Guest 1209</u> Water & waste water requirement (KL/day): 13.0 Source of water: Water supply from Surat Urban Development Authority (SUDA). Water & waste water generation quantity (KL/day): 2.4 Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. Details of reuse of water: Water supply from SUDA. Waste water generation quantity (KL/day): 2.4. Mode of disposal: The sewage generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed of fthrough u/g drainage system of SUDA. In case of STP provision, capacity of STP. 450 KL/day. STP Technology: Conventional STP comprising of primary + secondary + tertary treatment. Purposes for treated water utilization: Gardening & flushing. Quantity of treated water to be reused: 1.Gardening (KL/day): 48.0 Case of STP provision, capacity of STP: 450 KL/day. STP Technology: Conventional STP comprising of primary + secondary + tertary treatment. Purposes for treated water utilization: Gardening & flushing. Quantity of treated sewage after reusin | | | with mini theatre | | | | |
| No. & size of Residential Units: NA. Details of amenities if any: NA No. of expected residents / users Users Number of Users Total Staff Status of water Water verquirement (KL/day): 13.0 Water details during construction phase Water requirement (KL/day): 13.0 Water verquirement (KL/day): 2.4 Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. Details of reuse of water, if any: Not applicable. Fresh water requirement (KL/day): 274.0 Water details during operation phase Fresh water requirement (KL/day): 274.0 Water details during operation phase Fresh water generation quantity (KL/day): 365.0 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. In case of STP provision, capacity of STP: 450 KL/day. STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. Purposes for treated water utilization: Gardening & flushing. Quantity of treated water utilization: Gardening & KLD during monsoon season. Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be discharged. Treated, 150.0 KLD during non monsoon season. Mode of disposal: Remaining quantity of treated avage after reusing it for gardening & flushing nonsoon season. Mode of disposal: Remaining quantity of treated avage after reusing it for gardening & flush | | | Scope of buildings/bloc | ks: Baseme | nt + ground flo | or + | 11 floors. |
| No. & type of Commercial Units: 33villas+3 hotel building+1staff quarter + 1 Health club with mini theatre. 10. No. of expected residents / users • Details of amenities if any: NA 11. No. of expected residents / users • Users Number of Users 10 (uset) 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 • Water equirement (KL/day): 13.0 • Water requirement (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. • Details of reuse of water, if any: Not applicable. 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 12. Water & conce of water, if any: Not applicable. • Details of reuse of water, if any: Not applicable. 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 • Source of water, Water supply from SUDA. • Water sewage more and remaining quantity of treated sewage will be disposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. • In case of STP provision, capacity of STP: 450 KL/day. 13. Status of water supply and drainage line • Quantity of treated water utilization: Gardening (KL/day): 157.0 <th></th> <th></th> <th>No. & size of Residentia</th> <th>al Units: NA</th> <th></th> <th></th> <th></th> | | | No. & size of Residentia | al Units: NA | | | |
| 10. No. of expected residents / users • Details of amenities if any: NA 10. No. of expected residents / users • Details of amenities if any: NA 11. Water Stataff 384 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 • Water requirement (KL/day): 13.0 • Water requirement (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. • Details of reuse of water, if any: Not applicable. 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. • In case of STP provision, capacity of STP: 450 KL/day. • Fresh vater requirement. • Purposes for treated water to be reused: 1. Gardening (KL/day): 48.0 • Clushing (KL/day): 48.0 • • Quantity of treated water to be discharged: Treated, 150.0 KLD during non monson season & 198.0 KLD during monsoon season. • Mode of disposal: Remaining quantity of treated sewage after reusing if for gardening & flushing purpose will | | | No. & type of Commerce | ial Units: 33 | 3villas+3 hotel | build | ing+1staff quarter + 1 |
| • Details of amenities if any: NA 10. No. of expected residents / users Users Number of Users 10. No. of expected residents / users Users Number of Users 10. No. of expected residents / users Users Number of Users 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 11. Water & waste water details during operation phase • Water generation quantity (KL/day): 2.4 12. Water & waste water details during operation phase • Fresh water generation quantity (KL/day): 274.0 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 774.0 13. Status of ruses of water: Water supply from SUDA. • Waste water generation quantity (KL/day): 365.0 14. Solid waste • Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. 10. • Provision of dual plumbing system (Yes/NO): Yes. 11. • Cuantity of treated water utilization: Gardening & flushing. 11. • Outrity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during non monsoon season & 198.0 KLD during monsoon season. | | | Health club with mini the | eatre. | | | |
| 10. No. of expected residents / users Users Number of Users Total Staff 384 Total Visitors 3112 Guest 1209 Occupants 60 11. Water details during construction phase • Water requirement (KL/day): 13.0 • Waste waste water details during construction phase • Water generation quantity (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. • Details of reuse of water; if any: Not applicable. 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. • In case of STP provision, capacity of STP. 450 KL/day. • STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. • Purposes for treated water to be reused:1.Gardening (KL/day): 48.0 • Provision of dual plumbing system (Yes/No): Yes. • Quantity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during non monscon season & 198.0 KLD during monscon season. • Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flu | | | Details of amenities if a | ny: NA | | | |
| residents / users Total Staff 384 Total Visitors 3112 Guest 1209 Occupants 60 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 • Source of water: Water supply from Surat Urban Development Authority (SUDA). • Water requirement (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. • Details of reuse of water: Mater supply from SUDA. • Vaste waste water details during operation phase • Fresh water requirement (KL/day): 365.0 12. Water & waste water details during operation phase • Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. • In case of STP provision, capacity of STP: 450 KL/day. • STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. • Purposes for treated water tuilization: Gardening & flushing. • Quantity of treated water utilization: Gardening (KL/day): 157.0 • Provision of dual plumbing system (Yes/No): Yes. • Quantity of treated juntreated/untreated) of water to be discharged | 10. | No. of expected | Users | Nu | umber of User | s | |
| Total Visitors 3112 Guest Image: Guest | | residents / users | Total Staff | | 384 | | |
| Guest 1209 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 11. Water details during construction phase • Source of water: Water supply from Surat Urban Development Authority (SUDA). • Waste water generation quantity (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. • Details of reuse of water; if any: Not applicable. • Fresh water requirement (KL/day): 274.0 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 • Waste water generation quantity (KL/day): 365.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. • In case of STP provision, capacity of STP: 450 KL/day. • STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. • Purposes for treated water to be reused: 1.Gardening (KL/day): 48.0 • • 2. Flushing (KL/day): 48.0 • Quantity of treated water to be reused: 1.Gardening KL/day): 48.0 • • 2. Flushing (KL/day): 157.0 • Provision of dual plumbing system (Yes/No): Yes. • Quantity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during non monsoon season. 13 | | | Total Visitors | | 3112 | | |
| Image: Construction phase Occupants 60 11. Water & waste water details during construction phase • Water requirement (KL/day): 13.0 • Source of water: Water supply from Surat Urban Development Authority (SUDA). • Waste water generation quantity (KL/day): 2.4 • Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. • Details of reuse of water, if any: Not applicable. 12. Water & waste water details during operation phase • Fresh water requirement (KL/day): 274.0 • Source of water: Water supply from SUDA. 12. Water details during operation phase • Fresh water requirement (KL/day): 365.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. • In case of STP provision, capacity of STP: 450 KL/day. • STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. • Purposes for treated water utilization: Gardening & flushing. • Quantity of treated water to be reused: 1.Gardening (KL/day): 157.0 • Provision of dual plumbing system (Yes/No); Yes. • Quantity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during monsoon season & 198.0 KLD during monsoon season. • Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be | | | Guest | | 1209 | | |
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| water details during construction phase Source of water: Water supply from Surat Urban Development Authority (SUDA). Waste water generation quantity (KL/day): 2.4 Mode of disposal: The sewage generated will be sent to temporary septic tank and soak pits. Details of reuse of water, if any: Not applicable. Tresh water details during operation phase Fresh water generation quantity (KL/day): 274.0 Source of water: Water supply from SUDA. Waste water generation quantity (KL/day): 365.0 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be disposed off through u/g drainage system of SUDA. In case of STP provision, capacity of STP: 450 KL/day. STP Technology: Conventional STP comprising of primary + secondary + tertiary treatment. Purposes for treated water to be reused:1.Gardening & flushing. Quantity of treated water to be reused:1.Gardening (KL/day): 157.0 Provision of dual plumbing system (Yes/No): Yes. Quantity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during non monsoon season & 198.0 KLD during monsoon season. Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be discharged in to u/g drainage line of SUDA. Status of water supply and drainage line Solid waste Construction Phase: | 11. | Water & waste | Water requirement (KL/ | day): 13.0 | | | |
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| Quantity of treated water to be reused:1.Gardening (KL/day): 48.0 2. Flushing (KL/day): 157.0 Provision of dual plumbing system (Yes/No): Yes. Quantity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during non monsoon season & 198.0 KLD during monsoon season. Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be discharged in to u/g drainage line of SUDA. Status of water supply and drainage line Solid waste Construction Phase: | | | Purposes for treated was | ater utilizatio | on: Gardening | & flu | sning. |
| Provision of dual plumbing system (Yes/No): Yes. Quantity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during non monsoon season & 198.0 KLD during monsoon season. Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be discharged in to u/g drainage line of SUDA. Status of water supply and drainage line Solid waste Construction Phase: | | | • Quantity of treated wate | er to be reus | sed: 1.Gardenii | ng (K | L/day): 48.0 |
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| Guantity and type (treated/untreated) of water to be discharged: Treated, 150.0 KLD during non monsoon season & 198.0 KLD during monsoon season. Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be discharged in to u/g drainage line of SUDA. Status of water supply and drainage line Solid waste Construction Phase: | | | Provision of dual plumb | ing system | (Yes/NO): Yes | 5. | dia ah anna du Tua ata d |
| 150.0 KLD during non-monsoon season & 198.0 KLD during monsoon season. Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be discharged in to u/g drainage line of SUDA. 13. Status of water supply and drainage line 14. Solid waste | | | • Quantity and type (treat | ited/untreat | ed) of water t | | discharged: Treated, |
| Season. Mode of disposal: Remaining quantity of treated sewage after reusing it for gardening & flushing purpose will be discharged in to u/g drainage line of SUDA. Status of water supply and drainage line Solid waste Construction Phase: | | | 150.0 KLD during non | monsoon | season & 19 | 0.U r | CLD during monsoon |
| • Mode of disposal. Kernalning quantity of freated sewage after redshight for gardening & flushing purpose will be discharged in to u/g drainage line of SUDA.13.Status of water supply and drainage lineWater supply & drainage connection will be made available to the project during the operation phase after getting B.U permission.14.Solid wasteConstruction Phase: | | | • Mode of disposal: Pom | aining quan | tity of trooted | 000 | an ofter reusing it for |
| 13. Status of water supply and drainage line Water supply & drainage connection will be made available to the project during the operation phase after getting B.U permission. 14. Solid waste Construction Phase: | | | Mode of disposal. Refined and and and and and and and and and an | aining quan urpose will | he discharged | Sewa Lin ta | age aller reusing it for |
| 13.Status of water supply and drainage lineWater supply & drainage connection will be made available to the project during the operation phase after getting B.U permission.14.Solid wasteConstruction Phase: | | | SUDA. | | | (| |
| supply and drainage line during the operation phase after getting B.U permission. 14. Solid waste Construction Phase: | 13. | Status of water | Water supply & drainage | connection | will be made | availa | able to the project |
| drainage line Construction Phase: | | supply and | during the operation phase | se after dett | ing B.U permi | ssion | |
| 14. Solid waste Construction Phase: | | drainage line | | 320 | 5 - F | | |
| | 14. | Solid waste | Construction Phase: | | | | |

| | | Management | | Generation | Quantity to be | Mode of Disposal / |
|---|----|-----------------|--|------------------------------|--------------------------------|--|
| | | | | (m ³) | reused (m ³) | Reuse |
| | | | Top Soil | 5,000 | 5,000 | Landscaping development. |
| | | | Other | 10,000 | 10,000 | Levelling of the site, |
| | | | excavated | | | internal roads, etc. |
| | | | | 1000 | | Will be used for |
| | | | debris | 1000 | - | internal road & |
| | | | | | | pavement |
| | | | | | | development. |
| | | | Steel scrap | 180 | - | Will be Sold to scrap dealer |
| | | | Discarded | 70 | - | Will be Sold to scrap |
| | | | packing | | | dealer |
| | | | materials | | | |
| | | | Operation Phase |): | - | |
| | | | Type of waste | Generation | Mode of | Mode of Disposal / |
| | | | | Quantity | waste | Reuse |
| | | | Dry waste | (Rg/uay) | Will be | Solid Waste will be |
| | | | | | Collected in | collected and will be |
| | | | | | Bins | disposed off at |
| | | | | | | nearby sanitary |
| | | | | 4400# | | landfill site of SUDA |
| | | | Vvet waste | 1132" | VVIII be Collected in | -00- |
| | | | | | Bins | |
| | | | Details of segred | egation if to be do | one: Not propose | ed. |
| | | | Capacity and n | o. of community | bins to be place | ed within premises: 50 Nos. |
| | | | of 50 kg each. | ana waata will bu | | |
| | | | • Landfill site wh be finally dispo | sed off at nearby | sanitary landfill | site of SUDA |
| 1 | 5. | Parking Details | Total parking a | rea requirement | for the project as | s per GDCR: 41,093.40 m ² . |
| | | | Parking area r m² | equirement for (| Commercial units | s as per GDCR: 41,093.40 |
| | | | Total number o | f CPS requireme | ent for the project | t as per NBC: 540. |
| | | | Number of CPS | S requirement for | commercial unit | ts as per NBC: 540 |
| | | | Total Parking a | rea provided (m ² |) & No. of CPS: 4 | 41,113.63 m ² & 1500 CPS |
| | | | Parking area pi Nos. | rovided in basem | ient (m⁻) & No. o | of CPS: 23,266.51 m ⁻ & 727 |
| | | | Parking area p | rovided in hollow | v plinth (m ²) & N | o. of CPS: 281.50 m ² & 10 |
| | | | Parking area p | rovided as open | surface (m ²) & N | No. of CPS: 13531.12 m ² & |
| | | | 588 Nos. | provided (at any | other place-sp | ecify) (m ²) & No. of CPS |
| | | | 4,034.50 m ² & | 175 CPS in com | mon open plot. | |
| 1 | 6. | Traffic | Width of adjace | ent public roads: | 41.46 m. | |
| | | wanagement | Number of Entiprovided. | try & ⊢xit provid | ed on approach | road/s: I wo gates will be |
| | | | Width of Entry | & Exit provided a | on approach road | l/s: 12 m |
| | | | Minimum width | of open path all | around the build | lings for easy access of fire |
| | | | tender (excludi | ng the width for t | he plantation): 5. | .0 m |
| | | | Width of all interview | ernal roads:7.5 & | 12 m | |

| 17. | Details of Green | Wall pane | I fabrics with recycled conte | nt, low-VOC emitting and refurbished |
|-----|----------------------|--------------------------------|------------------------------------|--|
| | Building measures | or bio-har | vested renewable material c | ontent for flooring. Provision of local |
| | proposed. | exhaust v | entilation to areas where ind | door air pollutant build-up could be a |
| | | problem | on-site rainwater recharging | systems for storm water control and |
| | | non-notab | le water uses formaldeby | le free Medium Density Fibrehoard |
| | | | a of polyothylong plastic pipi | as in lieu of DVC sising built is optro |
| | | | e of polyethylene plastic pipi | ng in lieu of PVC piping, built-in entry |
| | | way mats | with drop pans and adequat | e drains to catch dirt off shoes, green |
| | | belt devel | opment (12.37% of total plot | area), provision of onsite STP & reuse |
| | | of treated | sewage etc. | |
| 18. | Energy | Power su | | |
| | Requirement, | Maximur | n demand: 2500 KVA | |
| | Source and | Connect | ed load: 3000 KVA | |
| | Conservation | Source: | DGVCL (Dakshin Gujarat Vij | Co. Limited) |
| | | Energy s | aving by Non-conventional N | lethods: |
| | | Energy s | saving measures: T5/T8 and | I CFL lighting in all internal common |
| | | areas, eo | quivalent size windows to get | the sufficient day light. |
| | | • % of sav | ing with calculations: 35% sa | ving on energy |
| | | Compliai | nce of the ECBC guidelines (| Yes / No), if yes, compliance in tabular |
| | | Section | S Requirement | Compliance |
| | | No | Requirement | Compliance |
| | | 7.2 | Lighting controls | Parking area lighting will be |
| | | | occupancy/ time switch | controlled through switch with |
| | | | | alternate switching. |
| | | 7.2.1.4 | Exterior lighting to be | External lighting will be controlled |
| | | | photo sensor or time | through timer. |
| | | | switch | |
| | | 7.3 | Interior lighting power to | All light in common open area will |
| | | | be within specified limits | be ceiling mounted. It illuminates |
| | | | | the required area only. |
| | | 7.4 | Exterior lighting power to | All lights will be with bracket or |
| | | | be within specified limits | arm, so no extra light will be |
| | | 0.2.1.1 | Movimum allowable | Closs boundary limit. |
| | | 0.2.1.1 | power lose from | transformers as per ECBC |
| | | | transformer | Norms |
| | | 8.2.2 | Energy efficient motors | For the common area, all motor |
| | | | | will be energy efficient as per |
| | | | | ECBC. |
| | | 8.2.3 | Power factor be | We will use capacitor bank for |
| | | | maintained between 0.95 | common areas load to maintain |
| | | | and unity | power factor. |
| | | 8.2.5 | Power distribution system | We will consider low watt loss |
| | | | losses to be maintained | type MCB in all distribution |
| | | | less than 1%. | system. |
| | | DG Sets | : conceity of the DC sets: 2 v1 | |
| | | | capacity of the DG sets: 2 X1 | 20 NVA. |
| | | D.G.Set | will be used in case of emerge | ency only |
| 19. | Fire and Life Safety | Nearest | fire station: Kapodra Fire Sta | tion. Surat |
| | Measures | Distance | from the project site: approx | imate at 12.5 Km |
| | | Details of | f Safety measures for the co | nstruction workers: Full body harness |
| | | will be p | rovided to all the workers wo | rking at Height. Safety net will also be |
| | | provided | to prevent the fall hazard.All | construction workers will be provided |

| | | app ma | oropria de to v | te PPEs lik vear them d | e dust mask, ear plug, helme uring working hours. | et, safety belt | etc. and |
|-----|----------------------|-----------|---------------------|---------------------------------------|--|-----------------------------------|-------------------------------|
| 20. | Details on staircase | Sr. No | Typ e of Bldg | Description | Unit | Stairs and Lift Details | Buildin g Height (m) |
| | | | | Baseme | Parking | | |
| | | | | Ground | Banquet Hall Clock Room |] | |
| | | | | Firet | Tourist Shopping (17 Nos) Restaurant | | |
| | | | | Floor | Meeting Room (3 Nos) Tourist Shopping (17 Nos) | - 6 stairs | 42 14 |
| | | 1 | А | Second | Gym Cardio | each - 16 Lifts | Terra ce |
| | | | | Floor | Yoga Indoor game | - 6 Escalator | Level |
| | | | | Third | Offices (16 Nos) Services Area | - | |
| | | | | 4 th To eleven floor | Hotel Rooms (214 Nos)] | | |
| | | | | Baseme nt | Parking | | |
| | | | | Ground Floor | Tourist Shopping (17 Nos) Banquet Hall (6 Nos) | | |
| | | | | First | Clock Room Restaurant | | |
| | | | _ | Floor | Meeting Room (03 Nos) | - 6 stairs 2.0 m width each | 42.14 Terra |
| | | 2 | В | Second | Cardio Indoor game Zone | - 16 Lifts - 5 | ce Level |
| | | | | Floor | Yoga Offices (14 Nos) | Escalator | |
| | | | | Third Floor | Services Area | | |
| | | | | Fourth floor To eleventh | HOTEL KOOMS (214 NOS) | | |
| | | 3 | С | Baseme nt | Parking | | |
| | | | | Ground Floor | Banquet Hall (4 Nos) | - 2 stairs 2.0 m width | 42.14 |
| | | | | First Floor | Restaurant , Meeting rooms | eacn - 6 Lifts - 2 | ce Level |
| | | | | Second Floor | Gym. | Escalator | |
| | | | | | Cardio | | |

| | | | | | Indo | or Game | | | |
|-----|----------------------------------|-------------------------|--------------------|---|----------------------|------------------------------------|-----------------------------|---|------------|
| | | | | | Yoga | A | | | |
| | | | | Third Floor | Serv | ices Area | | | |
| | | | - | 4 th Floor | H | lotel Rooms (9 | 4 Nos) | | |
| | | | | to | _ | () | , | | |
| | | | | eleventh | | | | | |
| | | | | floor | | | | | |
| | | 4 | D | Vila (GF + FF) | | 33 suits | | Internal stair 1.23 m | 9.29 |
| | | 5 | E | Ground Floor | | Health club + (| Gym. | 1 stairs 2.0 m width | 7.0 |
| | | | | First Floor | Min | i Theatre (190 Game Zon | Seats) + e | | 1.5 |
| | | 6 | F | Ground floor | | Parking | | | |
| | | | | First floor to third floor (4 flats/ each | St | aff Quarter's (1 | 2 Flats) | - 1 stair 1.23 m | 12.65 |
| 21 | Poin Water | | al af th | | votor t | | 1 100 | | |
| 21. | Rain Water Harvesting | • Lev | | e Ground v | | able: 5.0 to 7.0 | m | | |
| | (RWH) | • NO. | | onth of porc | NUTI | lank(S). nii no wollo: 25 no | ~ 8.40 m | | |
| | | NO. | allu ue aile on | Pro-troat | nont | facilities: 20 nu | 5.040111 Filtor wil | l he used to | romovo |
| | | SUS | nender | nollutant | s fron | n the rainwate | er After fi | Itration water | will be |
| | | rect | narged | usina pera | colatio | n pit. filled with | n pebbles o | or brick and ri | ver sand |
| | | and | covere | ed with per | rforate | ed concrete sla | ibs. Depth | of recharge p | it will be |
| | | des | igned a | according to | o Wate | er table of the a | area. | 5-1 | |
| 22. | Green area details | • Tre | e cover | ed area (m | n²): 2,2 | 294.62 | | | |
| | | Are | a covei | ed by shru | ibs an | d bushes (m ²): | 0 | | |
| | | Law | n cove | red area (r | n²): 9, | 700.21 | | | |
| | | • Tota | al Gree | n Area (m ² | [:]): 11,9 | 994.83 | | | |
| | | • Gre | en Are | a % of plot | area: | 12.37 % | | | |
| | | • No. | of tree | s and spec | ies to | be planted: 72 | 0 trees of 1 | 4 local specie | S. |
| 23. | Budgetary | (Plea | ise spe | cify the act | ivities | and break up of | of budget a | llocation) | |
| | allocation for | Gree | n Belt I | Jevelopme | nt | | | | |
| | Environmental Management Plan | Yea | r/Stage | No. of P | lants | Capital Cost | Recurring | Cost | |
| | (Rs. in lacs) | | year | 250 |) | 0.375 | 0.600 |) | |
| | | 2 | year | 250 |) | 0.375 | 0.600 |) | |
| | | 3. | year | 220 |) | 0.330 | 0.600 |) | |
| | | | .awn | | <u>ר</u> | 2.500 | - | <u> </u> | |
| 24 | Proposed dust | \\/oto | | /20 | J J | | | ion motoriala | chall he |
| ∠4. | | store | a sprin d in co | NILLY UN IC | | up suil, all the | t bace will | ion materials | Slidli De |
| | during the | Jundo | | in halee e | and w | valeas, cemer vill he stacked i | n uays Will Inder terner | ulin cover etc | iy Stored |
| | construction phase | | | 50165, 5 | | | nuor taipa | | |
| 25 | Fco friendly | Eco- | Friendly | / building | const | ruction materia | als like fly | ash brick/AA | C block |
| 20. | building material | lead | free na | aints. alum | inum | windows and | bagasse h | ased particle | board in |
| | usage details. | doors | s will be | e used. | | | | | |
| 26. | Basic amenities to | Wash | n rooms | s, rest roon | ns, dri | nking water etc |). | | |
| | be provided to | | | , | , | <u> </u> | | | |
| | construction | | | | | | | | |

| | workers. | |
|-----|--------------------|--|
| 27. | Documents related | Village form no. 7 submitted by them shows that the agricultural land is n the |
| | to land possession | name of other land owners. |

During the meeting, the project proponent was asked to explore the possibility of utilizing solar energy in the form of solar street lights, solar water heaters, solar panels etc. During the meeting, it was decided to appraise the project further only after submission of the following:

- 1. Details on provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar street lighting, solar water heaters, solar panels etc. Measures proposed to comply with the ECBC norms / other international norms proposed for energy conservation. Details with back up calculation showing that how much of the total energy & water requirement of the proposed project will be compensated by the proposed energy conservation measures & reuse of treated sewage.
- 2. STP sludge management plan. Explore the possibility of installing organic waste convertor for converting biodegradable waste into the useful end products like manure, animal feed etc.
- 3. Details on margins to be provided on both the sides of kotar passing through the project site and copy of permission from the concerned competent authority in this regard.
- 4. Details of fire fighting system including location of fire water tanks & capacity, separate power system for fire fighting, automatic sprinkler system, fire detection system with alarms & automatic fire extinguishers, location of fire lift and fire retardant staircases, details of qualified and trained fire personnel & their job specifications, nearest fire station & time required to reach the proposed site etc. Calculation and provision of minimum fire water requirement based on fire study.
- 5. Detailed Environment Management Plan with respect to various environmental attributes- Water, Air, Noise, Solid wastes including Hazardous Wastes, land etc. of the project both during construction and operation phase and strategy for its implementation with financial outlay.
- 6. Land possession documents showing the ownership of land by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site or a copy of documents showing the correspondences made in this regard and a copy of agreement made between the land owners & developers (if any).

| 15 | Anand Sapphire | Survey number 136, F.P. No 112/2, TPS No: | Screening & scoping / |
|----|----------------|---|-----------------------|
| | | 32, Gota, Ahmedabad | appraisal |

| Sr. | Particulars | Details |
|-----|--------------------|-------------------------------------|
| No. | | |
| 1. | Proposal is for | New Project [SIA/GJ/NCP/42751/2015] |
| 2. | Type of Project | Residential Cum Commercial Project |
| 3. | Project / Activity | 8 (a) |
| | No. [8(a) or 8(b)] | |
| 4. | Name of the | Anand Sapphire |
| | project | |
| 5. | Name of | Babubhai Jesangbhai Desai |
| | Developer | |
| 6. | Estimated | 38 Crores |
| | Project Cost (Rs. | |
| | In Crores) | |
| 7. | Whether | No |
| | construction | |
| | work has been | |

| | initiated at site? | | | | |
|-----|--------------------|---|-----------------------------|-----------------------------------|-------------------------|
| | If yes, details | | | | |
| | thereof | | | | |
| 8. | Project Details | Land / Plot Are | ea (m²): 4,684. | 0 | |
| | | • FSI area (m ²): | 12,646.21 | | |
| | | Total BUA (m²) |):23,889.24 | | |
| | | | | Demoiseible | Dronocod |
| | | | | | Proposed 40.04 |
| | | FSI Area (m) | (m^2) | 12,040.8 | 12,040.21 |
| | | Ground Covera | Age (III) Area (m^2) | | 1,022.00 |
| | | Max building b | Alea (III) | 400.4 NA | 400.4 |
| 0 | Building Dotails | No. of Building | | | 45 |
| 9. | Dulluling Details | No. of Blocks: | 15.0 | | |
| | | Scope of build | o dinge/blocke: 2 | loval basamant + | ground floor (parking & |
| | | shops) + 12 flc | nors | | ground noor (parking & |
| | | No & size of I | Residential Ur | nits [,] Total 106 flats | 84 Flats- 3BHK (Size |
| | | 124.14 m2) . 2 | 2 Flats- 3BHK | (Size 145.32 m2) | |
| | | • No. & type of C | Commercial Ur | nits : 36 shops | |
| | | Details of ame | nities if any: N | 0 | |
| 10. | No. of expected | 549 occupants | and 100 visitor | ſS | |
| | residents / users | | | | |
| 11. | Water & waste | Water requirer | ment (KL/day): | 21.75 | |
| | water details | Source of wate | er: Water tanke | ers | |
| | during | Waste water g | eneration quar | ntity (KL/day): 5.73 | |
| | construction | Mode of dispose | sal: Soak tank | | |
| | pnase | Details of reus | e of water, if a | ny: No | |
| 12. | Water & waste | Fresh water re | quirement (KL | /day):71.23 | |
| | water details | Source of wate | er: Water supp | ly from AMC | |
| | during operation | Waste water g | eneration quar | ntity (KL/day):55.3 | |
| 1.0 | phase | Mode of dispose | sal: Into draina | ge line of AMC. | |
| 13. | Status of water | Available at site | | | |
| | supply and | | | | |
| 14 | Solid waste | Construction Ph | 256. | | |
| 14. | Management | | Generation | Quantity to be | Mode of Disposal / |
| | management | | (m^3) | reused (m ³) | Reuse |
| | | Top Soil | 2.400 | 2.400 | Development of |
| | | | , | , | landscape area |
| | | Other | 21,600 | 12,000 m ³ will | Balance earth will be |
| | | excavated | | be used for | used at other |
| | | earth | | back filling | projects as per |
| | | | | and raising | requirement. |
| | | | | plinth level. | |
| | | Construction | 250 | 170 m° will be | Balance debris will |
| | | debris | | used for | be handed over to |
| | | | | development | in low lowing areas |
| | | | | or internal | in low laying areas. |
| | | Stool coron | 12 | | Sold to vondore |
| | | Discardod | 8 | 0 | Sold to vendors |
| | | nacking | 0 | | |
| | | materials | | | |
| | | | _ | I | · |
| | | 1 | | | |

| | | Operation Phase | e: | | |
|-----|-------------------|--|--|-------------------------------|---|
| | | Type of waste | Generation Quantity | Mode of waste | Mode of Disposal / Reuse |
| | | Drywests | (Kg/day) | | Sold to vondoro |
| | | Wet waste | 124.24 | Green Ring | Solu to venuors |
| | | | 100.30 | GIEEN DINS | wunicipal bins |
| | | Details of segre Capacity and r | egation if to be d | one: yes y bins to be plac | ed within premises: 15 kg |
| | | and 10 number | of community b | ins to be placed | in common areas. |
| | | Landfill site where whe | nere waste will l bal solid waste c | be ultimately dis | sposed by local authority: ng site of AMC. |
| 15. | Parking Details | Total parking a | rea requirement | for the project a | s per GDCR: 3,033.02 m ² |
| | | Parking area re | equirement for re | sidential units as | s per GDCR: 2,193.39 m ² |
| | | Parking area re | equirement for Co | ommercial units | as per GDCR: 839.63 m ² |
| | | Total number o | of CPS requireme | ent for the projec | t as per NBC :140 |
| | | Number of CPS | S requirement for | r residential units | s as per NBC: 106 |
| | | Number of CPS | S requirement for | commercial un | its as per NBC:34 |
| | | Total Parking a | rea provided (m | [•]) & No. of CPS: | 8,060.53 & 261 CPS |
| | | Parking area p CPS | provided in base | ment (m ²) & No | o. of CPS:6,652.14 & 207 |
| | | Parking area p CPS | provided in hollo | w plinth (m ²) & | No. of CPS:777.61 & 27 |
| | | Parking area p CPS | rovided as oper | n surface (m ²) & | No. of CPS:630.78 & 27 |
| 16. | Traffic | Width of adjace | ent public roads: | 30 m and 24 m | wide roads |
| | Management | Number of Entroprovided. | ry & Exit provide | d on approach r | oad/s: Three gates will be |
| | | Width of Entry | & Exit provided of | on approach roa | d/s: 6 m, 7.5 m & 9 m. |
| | | Minimum width | of open path a | I around the bu | ildings for easy access of |
| | | fire tender (exc | luding the width | for the plantation | n): 4.0 m |
| 47 | Details of Oregan | VVidth of all inte | ernal roads: minir | mum 6 m | hitoptung decime and and |
| 17. | Details of Green | Maximum use | of natural lightl | ng through arc | nitectural design, energy |
| | Dulluing | efficient motors | & pumps, water | r efficient taps, | maximum use of RMC & |
| | nroposed | aerated blocks, | use of LED light | ing fixtures and | low voltage lighting, solar |
| | P.000000. | lighting in open a | and landscape a | reas- 8 number | s of solar lighting, roof-top |
| | | thermal insulation | on, water meters | s, rain water ha | arvesting & ground water |
| | | recharge through | n 2 nos. of perco | lating wells etc. | |
| 18. | Energy | • Power supply: | | | |
| | Requirement, | Maximum dem | and: 900 KVA | | |
| | Source and | Connected load | d: 1000 KVA | | |
| | Conservation | Source: I orren | t Power Limited | 100/ by | LED color lights and star |
| | | • % of saving wi | in calculations: - | -40% Dy USE Of | LED, SOLAR LIGHTS AND STAR |
| | | Compliance of | | delines (Vec / | No) if yes compliance in |
| | | tabular form: or | ne ECDC gui | uennes (185 / | ivo, ii yes, compliance in |
| | | DG Sets: | | | |
| | | No. and capaci | tv of the DG sets | s:1 x 62.5 KVA | |
| | | Fuel & its quan | tity: HSD, 12 litr | e/hr | |
| 19. | Fire and Life | During Cons | truction Phase | : Provision | of Personal Protective |
| | Safety Measures | Equipment's (I | PPEs) to the co | nstruction worke | ers and its usage shall be |
| | | ensured and s | supervised train | ing to all worke | ers on construction safety |
| | | aspects, first a | id room with first | aid kit. doctor & | ambulance service. |
| | | aspects, first a | | alu Kit, UUCIUI O | |

| | | | • During operation phase (Commercial): Fire extinguishers, hose reel, manually operated electric fire alarm system, down comer, automatic sprinkler system in basement, underground static water storage tank-200 | | | | | | |
|-------------------|--|--|---|--|-----------------------------|-----------------------------|--------------------|-----------------|------|
| | KL capacity, terrace tank -30 KL capacity (total capacity), pump near | | | | | | | near | |
| | | underground static water storage tank (fire pump) with minimum | | | | | | | num |
| | | | Pressu | ire of | 3.5 kg/cm2 at | terrace level e | etc. | | |
| 20. | Deta | ails on staircas | e | | | | | | |
| | | Type & no | No | of | Floor area | No of | Width of the | Travel | |
| | | of buildings | floor | S | m ² | staircase | staircase | distance | |
| | | •••••••••••••••••••••••••••••••••••••• | | - 40 | 200.74 | 4 | (m) | (m) | |
| | | | G/HP + | + 12 | 398.71 | 1 | 2.02 | 26 | - |
| 21 | Doir | | | | ZZ9.3 | toblo: 02 m | 2.02 | 20 | |
| 21. | Han | vesting | | n the | | table: 23 m | and 2 5m V 2 | 0 m X 2 0 m | |
| | (RW | /H) | • No. an | d dor | th of percolati | ons wells : 2 no | anu 2.011 A 2.9 | 0 111 × 3.0 111 | |
| | (| , | Details | | Pre-treatment f | acilities: oil and | l arease remov | al and filter | |
| 22 | Gree | en area | | overe | d area (m^2) ·1 | 50 0 | grease remov | | |
| | deta | ils | Area co | overe | d by shrubs a | nd bushes (m ²) | 0.100.0 | | |
| | | | Lawn c | cover | ed area (m ²):2 | 18.4 | | | |
| | | | Total G | Green | Area (m ²):468 | 3.4 | | | |
| | | | • Green | Area | % of plot area | ı: 10% | | | |
| | | | • No. of | trees | and species | to be planted: | 71 number of | f trees of Lim | bdo, |
| | | | Kaado | Siris, | Jambu, Asopa | alav, DesiBada | m and Gulmoh | ar | |
| 23. | Dus | t control | Spraying | g of w | ater, peripher | al barricading, | covered shed f | or cement loa | ding |
| | mea | isures | area, co | verin | g the excavate | ed earth with ta | rpaulin sheet e | tc. | |
| 24. | Bud alloc Envi Man Plar | getary cation for ironmental agement in lacs) | Allocation of Rs.18.0 lacs & Rs.10 lacs as capital cost & recurring cost respectively has been made for EMP & EMS. | | | | | | |
| 25. | Deta | ails of eco | Fly ash I | bricks | aerated bloc | ks fly ash pavi | ing blocks may | kimum use of | |
| | frien build mate | idly ding erials | RMC, lea | ad fre | ee paints etc. | | | | |
| 26. | Deta | ails of | Sanitatio | on fac | cilities maintai | nina hvaienic a | ondition at the | project site to | |
| | ame | nities to be | avoid he | alth r | problems safe | drinking water | PPEs first ai | d room with fir | rst |
| | prov | vided to | aid kit & | wolf | aro facilitios as | parthe Guiars | t Building & O | ther Construct | tion |
| | cons | struction | Workors | | | | | | |
| | work | kers. | VUINEIS | | | | | | |
| 27. | Doc | uments | Village f | form | no. 7 shows | that the agric | cultural land is | s in the nam | e of |
| | noss | | Applican | nt. Co | opy of application | ation made for | r obtaining N. | A permission | has |
| | pos | 56331011 | been su | bmitt | ed. Copy of Z | oning certificat | te obtained fro | m AMC has b | been |
| | | | submitte | ed wh | ich shows that | t the project site | e fall in the resi | idential zone F | R1. |
| During grant c | During the meeting, after detailed discussion it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance. | | | | | | ujarat for | | |
| 16 | The | Grand Easter | 'n | T.P.S.no.119 (Nilol), S.No.452, F.P.No.95, Nikol, Dist: Ahmedabad. Screening & scoping / appraisal. | | | | | |
| Details | Is of the proposed project as presented before the committee is tabulated below: | | | | | | | | |

| Sr. | Particulars | Details | | | |
|------|-------------------------------|--|----------------------------|----------------------------|--|
| INO. | Dronocol in for | Now Droig of CIA | | 6/2016] | |
| 1. | Type of Project | Residential & Co | GJ/NCP/4076 | 0/2010] | |
| 2. | Project / Activity | | Innercial | | |
| 5. | No. $[8(a) \text{ or } 8(b)]$ | 0(a) | | | |
| 4 | Name of the | The Grand Faste | ern | | |
| | project | | | | |
| 5. | Name of | Pearl Associate | S. | | |
| | Developer | | | | |
| 6. | Estimated | 25 Crores | | | |
| | Project Cost (Rs. | | | | |
| | In Crores) | | | | |
| 7. | Whether | No construction | activity has bee | en started | |
| | construction | | | | |
| | work has been | | | | |
| | Initiated at site? | | | | |
| | thereof | | | | |
| 8 | Project Details | I and / Plot Are | $(m^2) \cdot 9.387$ (|) | |
| 0. | | • ESL area (m^2) | 25 344 64 | | |
| | | Total BUA (m²) | · 40 657 17 m ² | | |
| | | | . 10,007117 111 | | |
| | | | Perr | nissible | Proposed |
| | | FSI Area | 25,3 | 44.90 m ² | 25,344.64 m ² |
| | | Ground Covera | ge | | 4,349.73 m ² |
| | | Common Plot A | vrea 938. | 70 m ² | 961.35 m ² |
| | | Max. building h | eight 30.0 | m | 25.0 m |
| 9. | Building Details | No. of Buildings | s: 5 (4 Resider | ntial & 1 Commerci | al) |
| | | No. of Blocks: 7 | 7 (6 Residentia | I & 1 Commercial) | |
| | | Scope of building | ngs/blocks: 4 re | esidential buildings | Basement + hollow plinth |
| | | + 7 floors. 1 co | mmercial buildi | ng – Basement + g | ground floor + 5 floors. |
| | | • No.& size of R | esidential Units | S: 84 flats. 4 BHK | Residential Flats of 222.04 |
| | | | | S OF 2/3.4/ M ⁻ | $a = 64540 m^2 = 40500 m^2$ |
| 10 | No. of ovported | • NO. & type of C | | 8 Electing populat | $\frac{50145.46111 - 125.20111}{125.20111}$ |
| 10. | residents / users | | - 500 persons | & Floating populat | ion – 510 persons. |
| 11 | Weter & weete | | | 20 | |
| 11. | water details | Valer requirem | ient (KL/day): 2 | 20 | |
| | during | Source of wate | n. Water tanker | S. http://KL/dox/):40 | |
| | construction | Waste water ge Mode of disposed | eneration quant | uly (NL/Uay). 4.0 | |
| | phase | Mode of dispos Dotails of rouse | al. Into septic t | ank & Suak pit. | |
| 12 | Water & waste | Eresh water rec | uirement (KL/ | y. dav): 72 16 | |
| 12. | water details | Source of wate | r: Water supply | , from Ahmedahad | Municipal Corporation |
| | during operation | Waste water de | eneration quant | tity (KI /day): 55 72 | |
| | phase | Mode of dispos | al: Into drainad | line of Ahmedab | ad Municipal Corporation. |
| 13. | Status of water | Water supply & c | drainage conne | ctions area availab | ble in the area. |
| | supply and | | 0 | | |
| | drainage line | | | | |
| 14. | Solid waste | Construction Pha | ase: | | |
| | Management | | Generation | Quantity to be | Mode of Disposal / |
| | | | (m ³) | reused (m ³) | Reuse |
| | | Top Soil | 5,677 | 5,677 | Will be reused for |
| 1 | | 11 | | | gardening & |

| | | | | | landscape | |
|-----|------------------|---|--|--------------------------------|------------------------------------|------------------|
| | | Other | 2,839 | 2,839 | Will be completely | |
| | | excavated | | | reused for back | |
| | | earth | | | filling the low lying | |
| | | Construction | 550 | 550 | Will be reused for | |
| | | debris | 000 | 000 | plinth filling & | |
| | | | | | internal road sub | |
| | | | | | base. | |
| | | Steel scrap | 1,300 | 1,300 | Will be sold to vendors. | |
| | | Discarded | 2,839 | 2,839 | Will be sold to | |
| | | packing | | | vendors. | |
| | | materials | | | | |
| | | Operation Phase | 9: | | | |
| | | Type of waste | Generation | Mode of | Mode of Disposal / | |
| | | | Quantity | waste | Reuse | |
| | | Dry wasto & | (Kg/day) | Collection | The community hine | |
| | | wet waste | 01.5 | bins of 80 lit | will be regularly | |
| | | | | capacity will | emptied by AMC for | |
| | | | | be provided at | its final disposal. | |
| | | | | various | | |
| | | Details of source | action if to be d | liocations. | | J |
| | | Capacity and n | o of community | bins to be placed | within premises: 22 pc | os of |
| | | bins of 80 lit ca | pacity will be pro | ovided at various | common locations. | 0.01 |
| | | Landfill site wh nearby MSW d | ere waste will be umping/landfill s | e ultimately disposite of AMC. | sed by local authority: a | at the |
| 15. | Parking Details | Total parking a | rea requirement | for the project as | per GDCR: 6,645.11 m | \mathbf{l}^2 |
| | | Parking area re | equirement for re | esidential units as | per GDCR: 4,018.14 m | m^2 |
| | | Total number of | of CPS requirement | ommercial units a | as per GDCR: 2,626.97 | m |
| | | Number of CPS | S requirement fo | r residential units | as per NBC : 109 | |
| | | Number of CPS | 6 requirement fo | r commercial unit | s as per NBC: 105 | |
| | | Total Parking a | irea provided (m | ²) & No. of ECS: | 8,754.16 m ² and 281 C | PS |
| | | Parking area p | rovided in basen | nent (m ²) & No. o | f ECS: 7,000.0 m ² and | 219 |
| | | Parking area p | rovided in hollow | w plinth (m ²) & N | o. of ECS: 1,754.16 m ² | ² and |
| | | 62 CPŠ | | | - | |
| 16. | Traffic | Width of adjace | ent public roads: | 12 m, 18m | | |
| | wanagement | Number of Ent will be provided | ry & Exit provid | ed on approach | road/s: Two separate g | gates |
| | | Width of Entry | & Fxit provided (| x commercial unit | .s. /s: 7 50 m | |
| | | Minimum width | of open path al | I around the build | dings for easy access o | of fire |
| | | tender (excludi | ng the width fort | he plantation): 3.5 | 5 | |
| | | Width of all interview | ernal roads: 7.50 | m | | |
| 17. | Details of Green | Maximum use of | FCFL lights, sola | r lighting in comn | non sun lit areas, rain w | ater |
| | Building | narvesting throu | gn ground water | recnarge. | | |
| | proposed. | | | | | |
| 18. | Energy | • Power supply: | | | | |
| | Requirement, | Maximum dem | and: 474 KW | | | |

| | Source and | Connecte | Connected load: | | | | |
|-----|-------------------|-------------------------------|---|----------------------------|-----------------------|-------------------|-------------|
| | Conservation | Source: | Source: Torrent Power Limited | | | | |
| | | Energy s | • Energy saving by Non-conventional Methods: Maximum use of CFL lights, | | | | |
| | | adoption | adoption of modes of alternative eco friendly sources of energy, solar street | | | | |
| | | lighting e | lighting etc. | | | | |
| | | DG Sets | : | | | | |
| | | No. and | capacity of | the DG sets: 7 | 1 x 62.5 KVA | | |
| | | Fuel Cor | sumption: | 12 litre/hr (HS | D) | | |
| 19. | Fire and Life | Fore extin | guishers, h | ose reel, wet r | riser, yard hydran | t, automatic sp | rinkler |
| | Safety Measure | s system in | basement, | manual electr | ic fire alarm syste | em, automatic o | detection & |
| | | alarm syst | em, pump | near undergro | und static water | storage tank – | one diesel |
| | | pump of c | apacity -28 | 50 L/min. and | one electric pum | p of capacity – | 180 l/min. |
| 20. | Details on stairc | ase | • | | | • | |
| | Type & no. of | No. of | Floor | No. of | Width of the | Travel | |
| | buildings | floors | area | staircase | staircase (m) | distance | |
| | | | | | | (m) | |
| | A+B, E+F | 7 | 737.40 | 2 | 1.55 | <25 | |
| | C, D | 7 | 530.62 | 2 | 1.55 | <25 | |
| | 1 No. of | 5 | 689.21 | 1 | 1.55 | <25 | |
| | comm. Block | | | | | | |
| 21. | Rain Water | Level of | the Ground | l water table: | | | |
| | Harvesting | • No. & dir | nensions o | f RWH tank(s) | : | | |
| | (RWH) | No. and | depth of pe | ercolations wel | ls: 3 Nos. | | |
| | | Details o | n Pre-treat | ment facilities | : Filtration & oil & | grease remov | al. |
| 22. | Green area | Tree cov | ered area (| (m ²) : 520.37 | | | |
| | details | Area cov | ered by sh | rubs and bush | es (m ²): | | |
| | | Lawn cov | vered area | (m ²): 710.11 | | | |
| | | Total Green | een Area (r | n ²): 1.230.48 | | | |
| | | Green A | rea 10% of | plot area: 938 | 5.70 | | |
| | | • No. of tre | es and spe | ecies to be pla | nted: 141 trees o | f local species. | |
| 23. | Budgetary | | I | · | | I | |
| | allocation for | | | | | | |
| | Environmental | | | | | | |
| | Management | | | | | | |
| | Plan | | | | | | |
| | (Rs. in lacs) | | | | | | |
| 24. | Proposed dust | Temporary | y windshiel | d barriers will | be provided. Reg | ular water sprin | nkling will |
| | control | be done. T | arpaulin sl | neet covers on | the material duri | ing the transpo | rtation. |
| | measures during | g Uniform pi | ling of sand | d and proper s | torage to avoid d | usting. | |
| | the construction | | | | | | |
| | phase | | | | | | |
| 25. | Eco friendly | Fly ash pa | ver blocks | for pavements | s / walkways, mos | st of the carper | ntry |
| | building materia | structures | will be mad | de up of proce | ssed engineering | wood/particle | board |
| | usage details. | instead of | wood, max | kimum use of F | Portland Pozzolor | na Cement etc | • |
| 26. | Details of | Sanitation | facilities, n | naintaining hy | gienic condition a | t the project sit | e to avoid |
| | amenities to be | health pro | blems, safe | e drinking wate | er, PPEs, first aid | room with first | aid kit & |
| | provided to | welfare far | cilities as n | er the Guiarat | Building & Other | Construction V | Vorkers |
| | construction | Rulos | | | | | |
| | workers. | TAILES. | | | | | |

During the meeting, after detailed discussion, it was decided to consider the project only after submission of the following:

1. Land possession documents showing the ownership of land by the applicant, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site or a copy of

documents showing the correspondences made in this regard and a copy of agreement made between the land owners & developers (if any).

2. Details on Environment Management Plan with respect to various environmental attributes- Water, Air, Noise, Solid wastes including Hazardous Wastes, land etc. of the project both during construction and operation phase and strategy for its implementation with financial outlay.

| 17 | Building construction | S.No.375, F.P.No.1, T.P.S.No.:3, Ranip, | Screening & scoping / |
|----|-----------------------|---|-----------------------|
| | project by M/s Nila | Ahmedabad | appraisal. |
| | Infrastructure. | | |

Details of the proposed project as presented before the committee is tabulated below:

| Sr. No. | Particulars | Details | | | | | |
|---------|--|---|--|-----------|--|--|--|
| 1. | Proposal is for | New Project | | | | | |
| 2. | Type of Project | Residentialcum Commercial Bu | uilding Project | | | | |
| 3. | Project / Activity No. [8(a) or 8(b)] | 8 (a) | | | | | |
| 4. | Name of the project | .Residential & Commercial Buil | ding Construction pro | oject. | | | |
| 5. | Name of Developer | Nila Infrastructures Ltd. | | | | | |
| 6. | Estimated Project Cost (Rs. In Crores) | Rs .50Crore | | | | | |
| 7. | Whether construction work has been initiated at site? If yes, details thereof | No | | | | | |
| 8. | Project Details | Land / Plot Area (m²): 7,792.0 FSI area (m²):20,991.58 Total BUA (m²): 32,127.12m² | | | | | |
| | | $\Gamma_{\rm Cl}$ Area (m^2) | | Proposed | | | |
| | | FSI Area, (m^2) | 21,038.40 | 20,991.58 | | | |
| | | Ground Coverage, (m ⁻) | - | 3,286.44 | | | |
| | | Common Plot Area, (m ⁻) | 779.20 | 949.95 | | | |
| | | liviax. building height, (m) | - | 45.8 | | | |
| 9. | Building Details | No. of Buildings: 4 No. of blocks: 4 Scope of buildings/blocks: 1 building – ground floor (parking & shops) + 12 floors. 3 buildings – hollow plinth + 7 floors. No. of residential units: 468 (336 flats – 1 BHK & 132 flats – 2 BHK) No. of commercial units:21 shops Details of amenities if any: | | | | | |
| 10. | No. of expected residents / users | 2919 person | | | | | |
| 11. | Water & waste water details during construction | Water requirement (KL/day): Source of water: Water tanker Waste water generation quan Mode of disposal: Through set | Water requirement (KL/day): 56.3 Source of water: Water tankers. Waste water generation quantity (KL/day): 5.04 Mode of dispasal: Through contin tank to soak pit | | | | |

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| | phase | Details of reuse of water, if any: No | | | | | |
|-----|------------------|--|-----------------------------|-----------------------------|--------------------------------------|--|--|
| 12. | Water & waste | Fresh water re | quirement (K | (L/day): 395. | 0 | | |
| | water details | Source of wate | er: Water sup | ply from AM | C. | | |
| | during operation | Waste water g | eneration qu | antity (KL/da | y): 313.0 | | |
| | phase | Mode of dispos | sal: Into AMC | sewerage li | ne. | | |
| 13. | Status of water | AMC water sup | ply and AMC | sewerage lir | ne will be available to the project | | |
| | supply and | during the opera | ation phase o | f the project. | | | |
| | drainage line | | | | | | |
| 14. | Solid waste | Construction Ph | ase: | | | | |
| | Management | Description | Generation | Quantity | Mode of Disposal / Reuse | | |
| | | | (kg/day) | to be | | | |
| | | | | reused | | | |
| | | | | (kg/day) | | | |
| | | Top Soil | 9.60 | 100 % | For garden development | | |
| | | | | reuse | | | |
| | | Other | 24.8 | 50 % | Remaining quantity will be | | |
| | | excavated | | reuse for | send to the nearest collection | | |
| | | earth | | | point of AMC | | |
| | | | | niing a | | | |
| | | | | filling | | | |
| | | Construction | 88 5 | 30% | Remaining quantity will be | | |
| | | debris | 00.0 | reuse for | send to the nearest collection | | |
| | | | | pavement | point of AMC | | |
| | | | | & internal | | | |
| | | | | road sub | | | |
| | | | | base. | | | |
| | | Steel scrap | 4.6 | | Sell to Actual Users | | |
| | | Discarded | 1.2 | | Sell to Actual Users | | |
| | | packing | | | | | |
| | | materials | - | | | | |
| | | Total | Solid Waste s | hall (95 worl 47.5 kg/da | kers x 500 gm/person/) ay | | |
| | | Operation Phas | e: | 1 | | | |
| | | I ype of waste | Generation | Mode of | Mode of Disposal / Reuse | | |
| | | | Quantity | waste | | | |
| | | Drywacto | (Ng/uay) | Organia | The recyclable waste will | | |
| | | -Paners | | Waste and | he sold to recyclers The | | |
| | | cartons. | | In organic | non recyclable solid waste | | |
| | | thermocol. | | waste will | will be transferred to the | | |
| | | plastic, | | be | nearest collection point of | | |
| | | polythene | | collected | AMC | | |
| | | bags, glasses | | in differen | nt | | |
| | | etc. | 1100 | buckets. | | | |
| | | | | | | | |
| | | VVet waste | | | | | |
| | | | | | | | |
| | | l food | | | | | |
| | | | Increation if the | he dener | collection of organic and increasion | | |
| | | waste will be | in different b | uckets and | it will be subsequently collected by | | |
| | | AIVIC Consoity and | no of com~ | unity hind t | a ba placed within No. of Pines 60: | | |
| | | Volume of Ring | NO. OF COMMERS 80 Lit again | for Residen | tial | | |
| | | VOIUTHE OF BINS: 80 LIT EACH TOF KESIGENTIAI | | | | | |

| | | • No of | Bins: 2; Volur | ne of Bins: 80 | Lit each for Co | mmercial | |
|-----|--|--|--|---|---|---|---|
| | | Land the n | fill site where v earby MSW col | vaste will be u lection point o | ultimately dispo f AMC. | osed by local | authority: At |
| 15. | Parking Detai | ls • Total • Total m ² | parking area re parking area re | equirement for equirement for | the project as residential uni | per GDCR: 4 ts as per GD | ,609.6 m². CR: 3,924.12 |
| | | • Total 685.4 | parking area I8 m ² | requirement f | or the comme | rcial units as | s per GDCR: |
| | | Total Total Total Total Parki CPS. | number of CPS number of CPS number of CPS Parking area p ng area provi | S requirement S requirement S requirement rovided (m ²) 8 ided in basem | for the project a for residential u for the comment k No. of CPS:5, ent (m ²) & No. | as per NBC: 2 units as per N rcial units as 132.59 m ² & of CPS: 2,2 | 245 IBC :234 per NBC :11 173 CPS 17.4 m ² & 69 |
| | | Parki 104 (| ng area provid CPS. | ed in hollow p | olinth (m²) & N | o. of CPS: 2 | ,915.19 m ² & |
| 16. | Traffic Management Width of adjacent public roads: 18.20 m wide TPS Road Number of Entry & Exit provided on approach road/s: 2 gates w provided. Width of Entry & Exit provided on approach road/s: 7.5 m | | | | gates will be | | |
| | | Minin tende Width | num width of op er (excluding the n of all internal i | pen path all ar e width for the roads: 7.5 | plantation): 3 n | ngs for easy n | access of fire |
| 17. | Details of Gre | en The tra | ansformers and | I motors will b | e provided hav | ving minimum | efficiency of |
| | Building measures proposed. | 85%. I reduce used f | 85%. Use of CFL or solar lights in the common area. Use of light colors to reduce the light absorption and minimize the cooling requirement will be used for the walls and ceiling. Rain water harvesting through ground water | | | | |
| 18 | Energy | Powe | ye. Ar supply: | | | | |
| 10. | Requirement, | Maxi | mum demand: | 1000 KW | | | |
| | Source and | Conr | ected load: - | | | | |
| | Conservation | • Sour | ce: I orrent Pow | er Limited | | | المعالمة والمعالم |
| | | Energy baving | gy saving mea a minimum ef | sures: The tra ficiency of 85 | ansformers and 5% Use of C | a motors will Fl. or solar | lights in the |
| | | comr | non area. Use | e of light cold | ors to reduce | the light ab | sorption and |
| | | minin | nize the coolin | g requirement | t will be used | for the walls | and ceiling. |
| | | Rain | water harvestir | ig through gro | und water recha | arge. | |
| 10 | Fire and Life | • DG S | ets: Not propos | sed. each floor of co | ommercial build | lina underar | ound fire |
| 13. | Safety Measures | water s | storage tank of lock. | 50 KL & terrad | ce fire water sto | brage tank of | 20 KL on |
| 20. | Details on sta | ircase | | | | | |
| | Type & no. of buildings | No. of floors | Floor area m ² | No. of staircase /Lift | Width of the staircase(m) | Travel distance (m) | |
| | Α | G.F.+12 | 654.86 | 2 /4 | 2.0 | 25 | 1 |
| | В | G.F.+7 | 482.74 | 1/2 | 1.52 | 25 | 1 |
| | С | G.F.+7 | 586.68 | 1/2 | 1.52 | - | 1 |
| | D | G.F.+7 | 704.46 | 1/2 | 1.52 | - | 1 |
| 21. | Rain Water | Leve | of the Ground | water table: | | | _ |
| | Harvesting (RWH) | • No. 8 • No. a | dimensions of and depth of per | RWH tank(s) | : 2nos (15.0m) s : 2 nos. | x 6.0m x 12.0 | im) |

| | | Details on Pre-treatment facilities : No | | | | |
|---------|--|---|-----------------------------|--|--|--|
| 22. | Green area | • Tree covered area (m ²) : 468 | | | | |
| | details | Area covered by shrubs and bushes (m²):100 | | | | |
| | | Lawn covered area (m²): | | | | |
| | | Total Green Area (m²): 568 | | | | |
| | | Green Area % of plot area: 6.01 % | | | | |
| | | • No. of trees and species to be planted:117 trees of lo | ocal species. | | | |
| 23. | Budgetary | Total Rs. 20 lacs for MSW management, sewag | e disposal, greenbelt | | | |
| | allocation for | development, rain water harvesting & ground water real | charge etc. | | | |
| | Environmental | | | | | |
| | Management | | | | | |
| | Plan (Dania Jana) | | | | | |
| 24 | (RS. IN IACS) | Water envolving DLIC computation for vahialas, and | and abod for comont | | | |
| 24. | Proposed dust | water spraying, PUC compulsion for vehicles, cove | ered sned for cement | | | |
| | control | loading activity, covering all the loose material with ta | rpaulin during stacking | | | |
| | during the | & transportation etc. | | | | |
| | construction | | | | | |
| | phase | | | | | |
| 25 | Eco friendly | Use of Ready Mix Concrete (RMC) | | | | |
| _0. | building material | | | | | |
| | usage details. | | | | | |
| 26. | Details of basic | Drinking water, sanitary facility, free of cost doctor s | ervice, all the required | | | |
| | amenities to be | personal protective equipments etc. | | | | |
| | provided to | | | | | |
| | construction | | | | | |
| | workers. | | | | | |
| 27. | Documents | Village form no. 7/12 submitted by them shows t | that the N.A land for | | | |
| | related to land | residential use is in the name of land owners. The la | nd owners have made | | | |
| | possession | "banakhat" with M/s Nila Infrastructures Ltd. | | | | |
| | | | | | | |
| During | the meeting, the pro- | pject proponent was suggested to increase the parki | ng area provision for the | | | |
| project | . After detailed discus | sion, it was decided to consider the project only after su | bmission of the following. | | | |
| 1 5 | voloro the possibility | of increasing the parking area provision for the proje | at and revised details on | | | |
| I. EX | | or increasing the parking area provision for the proje | | | | |
| pa | irking area provision d | onsidening the same with back up calculation & parking | plans. | | | |
| 2 Pr | oposal for providing 2 | staircases in the buildings having floor area more than | 500 m2 on each floor and | | | |
| 2. IT | visod lavout plan show | ving the same | | | | |
| 10 | viseu layout plait show | ang the same. | | | | |
| 3. Ex | act aerial distance of | the project site from the railway line and copy of permis | ssion / NOC obtained from | | | |
| CO | ncerned competent a | ithority in this regard | | | | |
| | | | | | | |
| 4. De | etails on the measure | s proposed to avoid adverse impacts of noise pollution | on due to close vicinity of | | | |
| rai | ilway line. | | | | | |
| | 5 | | | | | |
| 18 | Institute for Plasma | Survey no. 35/D, 36/K, Village: Bhat, Taluka & | EC amendment & | | | |
| | Research | District- Gandhinagar. | expansion | | | |
| | | | | | | |
| The SP | EIAA. Guiarat has a | corded environmental clearance to Institute for Plas | ma Research for building | | | |
| constru | uction project at Surv | ev no. 35/D. 36/K. Village Bhat Taluka & District- Ga | andhinagar, vide order no | | | |
| SFIAA | /GUU/FC/8(a)/266/201 | 4 dated 30/09/2014 for the built up area of 61 027 97 m | 1 ² | | | |
| 0000 | | | | | | |
| The pro | The project proponent, vide proposal no. SIA/GJ/NCP/41784/2016 dated 20/01/2016 submitted revised Form | | | | | |

& Form IA and requested for amendment of Environmental Clearance order dated 30/09/2014 for the proposed changes in the project.

The request for amendment in terms of proposed expansion was considered during the meeting. Details of the project as per the EC granted and details of the project after the proposed expansion, as presented before the committee, are tabulated below:

| Description | Details as per EC granted. | Details of the project after proposed |
|---|--|--|
| Name of the project | Proposed Construction expansion of Laboratory & Auxiliary building project "Institute for Plasma Research" at survey no. 35/D, 36/K, Village: Bhat Taluka & District- Gandhinagar | Proposed Construction expansion of Laboratory buildings project "Institute for Plasma Research" at survey no. 35/D, 36/K, Village: Bhat Taluka & District- Gandhinagar |
| Name of the developer | Institute for Plasma Research | Institute for Plasma Research |
| Location address | Survey no. 35/D, 36/K, Village: Bhat, Taluka & District- Gandhinagar. | Survey no. 35/D, 36/K, Village: Bhat, Taluka & District- Gandhinagar. |
| Plot area (sq. m.) | 2,02,344 | 2,02,344 |
| Ground Coverage (sq. m.) | 33,372.67 | 33,372.67+2,400.17= 35,773.44 |
| Built – up area (sq. m.) | 61,027.97 | 61,027.97 + 2,800.40 = 63,828.37 |
| FSI area (sq.m.) | 59,440.08 | 59,440.08 + 2,692.75 = 62,132.76 |
| Number of buildings | 34 | 34 + 5 = 39 |
| Number of Units | 62 | 62+ 5 = 67 |
| No. of floors | Maximum - Ground + 5 floors, Maximum height 24 m | Proposed Construction Ground + 1 Floor and Proposed Construction height up to – 11.1 m |
| Basement area (sq. m.) | 858.09 | 858.09 + NIL = 858.09 |
| Hollow plinth area (sq. m.) | NIL | NIL |
| Parking requirement as per NBC | 816 CPS | 816+30= 846 CPS |
| Parking requirement as per GDR | 16,699.55 Sq. m. | 17,640.25 Sq. m. |
| Parking area provided (sq m) | 835 CPS | 846 CPS |
| and number of CPS | 19,207.43 Sq. m. | 19,438.15 Sq. m. |
| Water requirement (KL/day) | 526.0 | 526.35 |
| Waste water generation (KL/day) | 30 .0 | 30.35 |
| Municipal Solid waste generation (kg/day) | 128.0 | 134.0 |
| Total green belt area (sq.m.) | 68,017.07 | 65,616.3 |
| Tree covered area (sq. m.) | 27,669.25 | 25,268.48 |
| Lawn covered area(sq. m.) | 40,347.82 | 40,347.82 |

During the meeting, it was found that there will be additional buildings for Neutronics Laboratory with built up area of 2,800.40 m² after the proposed expansion. It was presented that they have obtained site approval & NOC from the Atomic Energy Regulatory Board (AERB) for the proposed Neutronics Laboratory buildings. It was presented that 18 nos. of existing trees need to be cut for the proposed construction and they have already applied to Forest Department for obtaining permission for cutting the trees. Domestic waste water to be generated will be treated in the onsite STP and treated sewage will be discharged into the drainage line of AUDA. After discussing various aspects of the project it was decided to recommend the project to SEIAA Gujarat for grant of amendment in the Environmental Clearance order dated 30/09/2014. 19

Millennium Textile House | T.P.No.7 (Anjana), O.P.No.28-A/2, & 28-A/3, Screening & scoping /

280th meeting of SEAC-Gujarat, Dated 18.02.2016

| - 2, | F.P.No.95, 96 & 97, Anjana, Dist: Surat | appraisal. |
|------|---|------------|
| | | |

The SEIAA, Gujarat has accorded environmental clearance to M/s Shanit Residencies Pvt. Ltd. for the commercial building construction project at T.P.No.7 (Anjana), O.P.No.28-A/2, & 28-A/3, F.P.No.95,96 & 97, Anjana, Dist: Surat vide order no. SEIAA/GUJ/EC/8(a)/154/2012 dated 29/05/2012 which was further amended vide order no. SEIAA/GUJ/EC/8(a)/73/2013 dated 16/04/2013 for the built up area of 73,346.27 m² comprising of 1 building housing total 392 nos. of commercial units.

The project proponent vide their online proposal no. IA/GJ/NCP/33540/2015 dated 02/12/2015 requested for amendment of Environmental Clearance order dated 29/05/2012 which was further amended vide order dated 16/04/2013 for the proposed expansion of the project.

The request for amendment in terms of proposed expansion was considered during the meeting. The project proponent presented the details of the previous and the revised project proposals which are tabulated below:

| Description | Details as per EC granted | Details of the project after proposed changes |
|-----------------------------------|---|---|
| Name of the project | Millennium Textile House – 2 | Millennium Textile House – 2 |
| Name of the developer | M/s Shanit Residencies Pvt. Ltd. | M/s Shanit Residencies Pvt. Ltd. |
| Location address | T.P.No.7 (Anjana), O.P.No.28-A/2, & 28-A/3, F.P.No.95,96 & 97, Anjana, Dist: SuratT.P.No.7 (Anjana), O.P.No.2 28-A/3, F.P.No.95,96 & 97 Dist: Surat | |
| Plot area (sq. m.) | 24,531.0 | 24,531.0 |
| Ground Coverage (sq. m.) | 7,351.27 | 12,080.15 |
| Built – up area (sq. m.) | 73,346.27 | 98,123.19 |
| FSI area (sq.m.) | 55,194.19 | 98,123.19 |
| Number of buildings | One | One |
| Number of units | 392 shops & offices | 606 offices & shops |
| No. of floors | 2 level basement + ground floor + 7 | 2 level basement + ground floor + 8 |
| | floors | floors. |
| Basement area (sq. m.) | 29,499.81 | 31,723.8 |
| Parking requirement as per NBC | 1202 CPS | 1962 CPS |
| Parking requirement as per GDR | 16,558.26 m ² | 49,061.6 m ² |
| Parking area | 34,103.99 m ² [29,499.81 m ² in 2 | 54,205.17 m ² [31,800.68 m ² in 2 level |
| provided | level basement + 4,604.18 m ² as | basement + 11,518.59 m ² as open |
| (sq. m.) and number | open surface parking] & 1122 CPS. | surface parking + 10,885.9 m ² at |
| of CPS | | terrace floor] & 1966 CPS. |
| Water requirement (KL/day) | 35.43 | 57.04 |

| Waste water | 16.5 | 45.0 |
|-----------------------|-------|----------|
| generation (KL/day) | | |
| Municipal Solid | 220.0 | 307.0 |
| waste generation | | |
| (kg/day) | | |
| Total green belt area | | 2,675.18 |
| (sq.m.) | | |
| Tree covered area | 525.0 | 621.89 |
| (sq. m.) | | |
| Lawn covered area | | 2053.29 |
| (sq. m.) | | |

During the meeting, it was presented that due to availability of additional FSI up to 4 to the project, they have proposed the expansion with additional commercial units. They have submitted a copy of permission obtained from Urban Development & Urban Housing Department for the total FSI of 4. After detailed discussion, it was decided to consider the project only after submission of the following:

- Revised details on parking area provision based on the actual parking area available at terrace level and as open surface parking. Details on mechanical parking to be provided, basement height, operation & maintenance of mechanical parking etc., details on mode of transportation of cars from ground floor to terrace floor for parking purpose along with the safety measures proposed for the same.
- 2. Structural stability certificate from a structural engineer stating that the existing foundation & design of the building is capable for bearing the load of 2 level basement + ground floor + 8 floors.
- Compliance report in respect of the stipulated terms and conditions in the Environmental Clearance order no. SEIAA/GUJ/EC/ 8(a)/ 154/2012 dated 29/05/2012 which was further amended vide order no. SEIAA/GUJ/EC/8(a)/73/2013 dated 16/04/2013.
- 4. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time and other technical parameters. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan etc.
- 5. Revised water balance details considering the reuse of treated sewage for purposes like flushing, gardening etc. within premises.
- 6. Details of provisions to make the project energy efficient and adoption of modes of alternative eco friendly sources of energy, solar water heater, solar street lighting, LED lighting. Details along with back up calculation showing how the additional energy consumption in such type of high rise buildings will be compensated with the proposed energy conservation measures.

| 20 | Soham Residency | F.P. No. 25/Paikkee, TPS No. 1, Dist: Surat. | EC amendment & |
|----|-----------------|--|----------------|
| | | | expansion. |
| | | | |

The SEIAA, Gujarat has accorded environmental clearance to M/s Soham Developers for residential building construction project - "Soham Residency" at F.P. No. 25/Paiki, TPS No. 1, Dist: Surat., vide order no. SEIAA/GUJ/EC/8(a)/174/2012 dated 06/06/2012 for the built up area of 40,727.63 m².

The project proponent, vide proposal no. SIA/GJ/NCP/48085/2016 dated 07/02/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 06/06/2012 for the proposed changes in the planning & scope of the project.

The request for amendment in terms of proposed expansion was considered during the meeting. Details of the project as per the EC granted and details of the project after the proposed expansion, as presented before the

committee, are tabulated below:

| Description | Details as per EC granted | Details of the project after proposed changes. | |
|---|-----------------------------------|--|--|
| Name of the project | Soham Residency | Soham Residency | |
| Name of the development | M/s. Soham Developers | M/s. Soham Developers | |
| Location Address | F.P. No. 25/Paikkee, TPS No. 1, | F.P. No. 25/Paikkee, TPS No. 1, | |
| | Dist: Surat. | Dist: Surat. | |
| Plot area (sq.m.) | 17,425.95 | 17,425.95 | |
| Ground Coverage (sq.m.) | 3,027.29 | 3,780.0 | |
| Bulit – up area (sq.m.) | 40,727.63 | 54,062.67 | |
| FSI area (sq.m.) | 31,451.61 | 39,120.11 | |
| Number of Building | 6 Residential buildings | 6 (5 Residential + 1 commercial) | |
| Number of Units | 286 | 286, 49 Offices | |
| No. of floors | B+G+13 | 5 residential buildings - B+G+13 | |
| | | 1 commercial building – B+G+10 | |
| Basement area (sq.m.) | 3,489.92 | 6,370.72 | |
| Hollow plinth area (sq.m.) | 3,027.29 | 3,780.0 | |
| Parking requirement as per NBC | 286 | 351 | |
| Parking requirement as per GDR | 4,734.89 m ² | 11,736.03 m ² | |
| Parking area provided (sq.m.) and number of CPS | 8,121.96 m ² & 286 CPS | 11,829.54 m ² & 409 CPS | |
| Water requirement (KL/day) & Source of water | 140 & SMC | 240 & SMC | |
| Waste water generation (KL/day) mode of disposal | 120 & SMC drainage Network | 190 & SMC drainage Network | |
| Municipal Solid waste generation (kg/day) | 357 | 395 | |
| Total green belt area (sq.m.) | 537 | 537 | |
| Tree Covered area (sq.m.) | 178 | 178 | |
| Lawn Covered area (sq.m.) | 359 | 359 | |

During the meeting, it was presented that from the total 6 buildings, construction of 4 buildings has already been completed, whereas construction activity for the remaining two buildings has not yet started. The project proponent was suggested to provide STP for treatment of sewage to be generated during the operation phase of the project. After detailed discussion, it was decided to consider the project only after submission of the following:

- 1. Justification for the proposed changes in terms of expansion along with the copy of permission obtained from the concerned competent authority for the proposed expansion.
- 2. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time, other technical parameters etc. along with the budget allocation for its installation, operation & maintenance. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan, STP sludge management plan etc.
- 3. Revised water balance details considering the reuse of treated sewage for purposes like flushing, gardening etc. within premises.

4. Details of fire fighting system including location of fire water tanks & capacity, separate power system for fire fighting, automatic sprinkler system, fire detection system with alarms & automatic fire extinguishers, location of fire lift and fire retardant staircases, details of qualified and trained fire personnel & their job specifications, nearest fire station & time required to reach the proposed site etc.

| 21 | Jaymangal | S.No.4585/1, F.P.No.120/1, T.P.S.No.08, Asarwa, | EC amendment & |
|----|-----------|---|----------------|
| | Residency | Ahmedabad | expansion. |

The SEIAA, Gujarat has accorded environmental clearance to M/s Jaymangal Realities for residential building construction project - "Jaymangal Residency" at S.No.4585/1, F.P.No.120/1, T.P.S.No.08, Asarwa, Ahmedabad vide order no. SEIAA/GUJ/EC/8(a)/1208/2015 dated 31/03/2015 for the built up area of 30,600.0 m².

The project proponent, vide proposal no. SIA/GJ/NCP/41675/2016 dated 19/01/2016 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 31/03/2015 for the proposed changes in the project.

The request for amendment in terms of proposed expansion was considered during the meeting. Details of the project as per the EC granted and details of the project after the proposed expansion, as presented before the committee, are tabulated below:

| Description | Details as per EC granted | Details of the project after proposed changes. |
|---|--|--|
| Name of the project | Jaymangal Residency | Jaymangal Residency |
| Name of the development | M/s. Jaymangal Realities | M/s. Jaymangal Realities |
| Location Address | S.No.4585/1, F.P.No.120/1, T.P.S.No.08, Asarwa, Ahmedabad | S.No.4585/1, F.P.No.120/1, T.P.S.No.08, Asarwa, Ahmedabad |
| Plot area (sq.m.) | 6,832.0 | 6,832.0 |
| Ground Coverage (sq.m.) | 2,451.52 | 2,539.0 |
| Bulit – up area (sq.m.) | 30,600.0 | 41,845.92 |
| FSI area (sq.m.) | 18,400.0 | 24,589.97 |
| Number of Building | 2 buildings with 6 blocks | 2 buildings with 6 blocks |
| Number of Units | 232 residential units | 288 residential units |
| No. of floors | Basement + hollow plinth + 10 | 2 level basement + hollow plinth + |
| | floors | 12 floors |
| Basement area (sq.m.) | 4,619.83 | 9,327.7 |
| Hollow plinth area (sq.m.) | 2,647.02 | 2,000.0 |
| Parking requirement as per NBC | 136 CPS | 216 CPS |
| Parking requirement as per GDR | 3,680.0 m ² | 4,917.99 m ² |
| Parking area provided (sq.m.) and number of CPS | 7,266.85 m ² & 239 CPS | 8047.04 m ² & 253 CPS. |
| Water requirement (KL/day) & Source of water | 176.50 | 218.5 |
| Waste water generation (KL/day) mode of disposal | 140.0 | 172.8 |
| Municipal Solid waste generation (kg/day) | 174.0 | 216.0 |
| Total green belt area (sq.m.) | 1,014.93 | 1,014.93 |
| Tree Covered area (sq.m.) | 433.36 | 433.36 |

| Lawn Covered area (sq.m.) | 581.57 | 581.57 | |
|---------------------------|--------|--------|--|
|---------------------------|--------|--------|--|

During the meeting, after detailed discussion, it was decided to consider the project only after submission of the following:

- 1. Justification for the proposed changes in terms of expansion along with the copy of permission obtained from the concerned competent authority for the proposed expansion.
- 2. Structural stability certificate from a structural engineer stating that the foundation & design of the buildings are planned for the load bearing of 2 level basement + hollow plinth + 12 floors.

| | - | | |
|----|--------------------|---|-----------------------|
| 22 | Residential & | F.P.No.86/1 & 90/4, S.No.19/1/1,19/1/2,19/2,20/1, | Screening & scoping / |
| | commercial project | 37/2,38/1,38/2,38/3,45,46 and 61, T.P.S.No.66/A, | appraisal |
| | by M/s Shashwat | Ranip, Ahmedabad. | |
| | Homes LLP. | | |

| Sr. | Particulars | Details | | |
|-----|--------------------|---|--------------------------|-------------|
| No. | | | | |
| 1. | Proposal is for | New Project[SIA/GJ/NCF | P/42884/2016] | |
| 2. | Type of Project | Residential Cum Comme | ercial | |
| 3. | Project / Activity | 8 (a) | | |
| | No. [8(a) or 8(b)] | | | |
| 4. | Name of the | Residential Cum Comme | ercial | |
| | project | | | |
| 5. | Name of | Shashwat Homes LLP | | |
| | Developer | | | |
| 6. | Estimated | 160 Crores | | |
| | Project Cost (Rs. | | | |
| | In Crores) | | | |
| 7. | Whether | No | | |
| | construction | | | |
| | work has been | | | |
| | initiated at site? | | | |
| | If yes, details | | | |
| | thereof | | | |
| 8. | Project Details | • Land / Plot Area (m ²): 4 | 0,942.39 | |
| | | • FSI area (m ²):1,10,541 | .04 | |
| | | • Total BUA (m ²):1,43,41 | 8.84 | |
| | | | Permissible | Proposed |
| | | FSI Area | 1.10.544.45 | 1.10.541.04 |
| | | Ground Coverage | NA | 17,278.86 |
| | | Common Plot Area | 4,094.2 | 4,150 |
| | | Max. building height | NA | 45 |
| 9. | Building Details | • No. of Buildings:104 Bu | Ingalow and 18 Buildings | |
| | | No. of Blocks: 104 Bungalow and 18 Blocks | | |
| | | • Scope of buildings/blocks: Bungalows of Ground floor + 2 floors. 18 buildings | | |
| | | Basement + ground floor (parking & shops) + 14 floors. | | |
| | | • No.& size of Residential Units: Total 104 bungalows & 966 flats. [630 Flats- | | |
| | | J 3BHK (SIZE 82.49 M2), | 330 FIATS- 2BHK (SIZE 66 | .46 MZ)] |

| | | • 104 Bungalow- | - Size 308.11 m2 | 2 | | |
|-----|-----------------------------------|---|---------------------------------------|-------------------------------|---------------------------|--|
| | | No. & type of Commercial Units: 87 shops | | | | |
| 10 | No. of sum outside | Details of amenities if any: One Society Office | | | | |
| 10. | No. of expected residents / users | 4989 occupants and 300 visitors | | | | |
| 11. | Water & waste | • Water requirement (KL/day): 43.5 | | | | |
| | water details | Source of water: Water tankers | | | | |
| | during | Vaste water ge | eneration quanti | ty (KL/day): 10.8 | | |
| | construction | Node of dispos Details of rous | of water if any | x Suak pit v: No | | |
| 10 | phase | | | | | |
| 12. | vvater & waste | I otal water rec Erech water rec | quirement (KL/da | ay): 681.02 | | |
| | during operation | Flesh water le Source of water | yullement (NL/u ar: water supply t | ay). 437.40 | | |
| | | Waste water of | eneration quanti | tv (KL/dav): 529.87 | | |
| | phase | Mode of dispo | sal: Sewage to | be generated will be | e treated in the proposed | |
| | | onsite STP. Tr | reated sewage | will be used for gard | ening & flushing purpose | |
| | | within premise | s and remaining | quantity of treated s | ewage will be discharged | |
| | | Into the drainag | ye line of AMC. | city of STD: Voc (2 X | 300 KI (davi) | |
| | | STP Technolog | av: Biological | | Source/day) | |
| | | Purposes for tr | eated water utili | zation: Gardening an | d Flushing | |
| | | Quantity of treat | ated water to be | reused:1.Gardening | (KL/day):18.67 | |
| | | | | 2. Flushing (k | (L/day):224.89 | |
| | | Provision of du | al plumbing sys | tem (Yes/No): yes | | |
| | | Quantity and t | ype (treated/uni | reated) of sewage to | be discharged: I reated | |
| | | remaining qua | ntity of treated | sewage will be discl | harged into the drainage | |
| | | line of AMC. | | contage min se alco | hargod into tho drainago | |
| | | Mode of dispos | sal: As above. | | | |
| 13. | Status of water | Available at 150 | m from the site | | | |
| | supply and | | | | | |
| | drainage line | | | | | |
| 14. | Solid waste | Construction Ph | ase: | Overstitute he | Made of Dispacel / | |
| | Management | | Generation | Quantity to be | Node of Disposal / | |
| | | | | | Reuse Development of | |
| | | | 7,500 | 7,500 | landscape area | |
| | | Other | 42,500 | 27,500 m ³ will be | Balance earth will | |
| | | excavated | | used for back | be used at other | |
| | | earth | | filling and raising | projects as per | |
| | | | | plinth level. | requirement. | |
| | | Construction | 1,300 | 600 m ³ will be | Balance debris will | |
| | | debris | | used for | be handed over to | |
| | | | | development of | local authority or fill | |
| | | | | internal road. | in low laying areas. | |
| | | Steel scrap | 50 | 0 | Sold to vendors | |
| | | Discarded | 20 | 0 | Sold to vendors | |
| 1 | | packing | | | | |
| | | materials | | | | |
| | | Operation Phase | e: | | | |
| | | Type of waste | Generation | Mode of | Mode of Disposal / | | |
|-----|------------------|---|-------------------------|---------------------|---------------------------------|------|--|
| | | | Quantity | waste | Reuse | | |
| | | | (Kg/day) | collection | | | |
| | | Dry waste | 1212.48 | White bins | Sold to vendors | | |
| | | Wet waste | 1818.72 | Green Bins | Municipal bins | | |
| | | STP Sludge | 30 | Green Bins | Municipal bins | | |
| | | Details of segre | egation if to be de | one: yes | . · | _ | |
| | | • Capacity and no. of community bins to be placed within premises: 15 kg and | | | | | |
| | | 20 number of community bins to be placed in common areas. | | | | | |
| | | • Landfill site where waste will be ultimately disposed by local authority: Nearby municipal solid waste collection / dumping site of AMC. | | | | | |
| 15. | Parking Details | • Total parking area requirement for the project as per GDCR: 16,220.69 m ² & 104 cars. | | | | | |
| | | Parking area requirement for residential units as per GDCR: 14,945.81 m² & 104 car parking space | | | | | |
| | | Parking area requirement for Commercial units as per GDCR: 1 274 88 m² | | | | | |
| | | Total number of CPS requirement for the project as per NBC :637 | | | | | |
| | | Number of CPS requirement for residential units as per NBC .537 | | | | | |
| | | Number of CPS requirement for commercial units as per NBC:51 | | | | | |
| | | • Total Parking area provided (m ²) & No. of ECS: 24,206.26 & 858 ECS | | | | | |
| | | • Parking area provided in basement (m ²) & No. of ECS:12,580.23 & 393 ECS | | | | | |
| | | • Parking area provided in hollow plinth (m ²) & No. of ECS:5,126.03 & 183 | | | | | |
| | | ECS Parking area provided as open surface (m²) & No. of ECS:6,500 & 282 ECS | | | | | |
| 16. | Traffic | Width of adjacent public roads: 18 m and 24m wide roads | | | | | |
| | Management | • Number of Entry & Exit provided on approach road/s: Four gates will be provided. | | | | | |
| | | Width of Entry & Exit provided on approach road/s: 10 m & 7.5 m | | | | | |
| | | • Minimum width of open path all around the buildings for easy access of fire | | | | | |
| | | tender (excluding the width for the plantation): 4 m | | | | | |
| 47 | Details of Orean | Width of all inte | ernal roads: 10, 7 | 7.5, 6 and 4.5 m | tunal dasiana susannu affici | 4 | |
| 17. | Details of Green | Maximum use of | r natural lighting | through architec | tural design, energy efficience | ent | |
| | Building | motors & pumps | , water efficient i | aps, maximum u | | KS, | |
| | measures | | ing lixtures and i | ow voltage lighting | read top, thermal inculation | and | |
| | proposed. | landscape areas- 26 numbers of solar lighting, roof-top thermal insulation, | | | on, | | |
| | | water meters, rain water narvesting & ground water recharge through 11 nos | | | | | |
| 10 | Enormy | | | | | | |
| 10. | Poquiromont | Power supply: Maximum dem: | and: 6000 KVA | | | | |
| | Source and | Connected load | d: 6250 KVA | | | | |
| | Conservation | Source: Torren | t Power Limited | | | | |
| | Conservation | % of saving with | th calculations: - | -40% by use of L | _ED & solar street lights a | and | |
| | | star rated energ | gy efficient electr | onic consumer d | urables | | |
| | | • Compliance of the ECBC guidelines (Yes / No), if yes, compliance in tabular | | | | ılar | |
| | | form: only roof | area | | | | |
| | | DG Sets: No. and canaci | ty of the DG sets | 1 x 62 5 K\/A | | | |
| | | Fuel & its quan | tity: HSD, 12 litr | e/hr | | | |
| 19. | Fire and Life | • During Constru | uction Phase: P | rovision of Pers | onal Protective Equipmer | nťs | |
| | Safety Measures | (PPEs) to the construction workers and its usage shall be ensured and | | | and | | |
| | | supervised, tra | aining to all worl | kers on construc | tion safety aspects, first | aid | |
| | | room with first | aid kit, doctor & | ambulance servio | ce. | | |

| 20. | During operation phase (Commercial): Fire extinguishers, hose reel, yard hydrant, manually operated electric fire alarm system, down comer, automatic sprinkler system in basement, underground static water storage tank-300 KL capacity, terrace tank -180 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm2 at terrace level etc. Details on staircase | | | | | | | | |
|-----|---|--|---|------------------|------------------------------|------------------|------------------|-----------------|--|
| | | Type & of build | no. ings | No. of floors | Floor area m ² | No. of staircase | staircase (m) | distance (m) | |
| | | A to | Q | G/HP + 14 | 353.47 | 1 | 1.5 | 22 | |
| 21. | Rain Water Harvesting (RWH)• Level of the Ground water table: 20 m • No. & dimensions of RWH tank(s) : 11 No and 2.5m X 2.0 m X 3.0 m • No. and depth of percolations wells : 11 no and 15 m • Details on Pre-treatment facilities : oil and grease removal and filter. | | | | | | | | |
| 22. | Green area details Tree covered area (m²) :1,500 Area covered by shrubs and bushes (m²):800 Lawn covered area (m²):1,850 Total Green Area (m²):4,150 Green Area % of plot area: 10% No. of trees and species to be planted: 615 number of trees and Lin KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar. | | | | | mbdo, | | | |
| 23. | Dust controlSpraying of water, peripheral barricading, covered shed for cementmeasuresloading area, covering the excavated earth with tarpaulin sheet etc. | | | | | | | | |
| 24. | Budge alloca Enviro I Mana Plan (Rs. ir | etary tion for onmenta agement n lacs) | Allocation of Rs.133.0 lacs & Rs.18 lacs as capital cost & recurring cost respectively has been made for EMP & EMS. | | | | | | |
| 25. | Detail ecofrie buildir mater | s of endly ng ials | Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc. | | | | | | |
| 26. | Details of amenities to be provided to construction workers. | | | d Rules. | | | | | |

During the meeting the project proponent was suggested to increase the parking area provision for the proposed project. After detailed discussion, it was decided to consider the project only after submission of the following:

- Land possession documents showing the ownership of land by the applicant/project proponent, list of partners & directors of the company, copy of permission obtained for non agricultural use of the project site or a copy of documents showing the correspondences made in this regard and a copy of agreement made between the land owners & developers (if any).
- 2. Project plans showing building wise & floor wise total built up area, FSI area, Floor area tables & plot area statement of the project.

- 3. Explore the possibility of increasing the parking area provision for the proposed project and revised details on the parking area provision considering the same along with the back up calculation & parking plans.
- 4. Exact aerial distance of the project site from the railway line and copy of permission / NOC obtained from concerned competent authority in this regard.
- 5. Details on the measures proposed to avoid adverse impacts of noise pollution due to close vicinity of railway line.

| | - | | |
|-----|---------------------|---|---------------------|
| 23. | M/s Dholi | at 276/1/2/3/4/5/6, 277/A/B, 279, 280, 289, 291, | TOR Amendment case. |
| | Integrated Spinning | 292, 295, 297, 309, 310, 357/A/1, 357/A/5, 357/A/6, | |
| | Park Ltd., | 357/A/11, Village: Dholi, Ta: Dholka, Dist: | |
| | | Ahmedabad. | |

The project proponent had applied for area development project falling under project activity 8(b) as per schedule annexed with the EIA Notification, 2006. During the meeting of SEAC held on 28/10/2015, the Terms of Reference were prescribed for the proposed textile park on 7,05,700.0 m² area (i.e 70.57 ha.) comprising of spinning & weaving units and not housing any category A & B units (as per the schedule annexed with the EIA Notification, 2006).

Now, the project proponent has applied with revised Form – I & Form - IA for amendment in TOR prescribed during the meeting of SEAC held on 28/10/2015 with reference to allowing them to set up one textile processing unit, with Zero Effluent Discharge, within the premises of the proposed textile park.

The request of amendment in TOR was considered during the meeting and the project proponent along with their expert consultant attended the meeting.

It was presented that effluent to be generated from the proposed processing unit will be subject to the advanced treatment procedure comprising of anaerobic + aerobic treatment in primary treatment and 3 stage RO in tertiary treatment. It was presented that anaerobic hybrid reactor is better in colour removal, chemical usage is less compared to the conventional type treatment schemes and sludge reduction is achieved at greater extent. RO reject will be send to the Multiple Effect Evaporator and salt from MEE will be sent to the nearest TSDF site. RO permeate will be reused for cooling & other processes within the unit. It was further presented that they will manufacture only white denim in the proposed processing unit. Coal / Lignite 4 T/hr will be used as fuel for proposed boiler for MEE system. There will be 11 nos. of Spinning Units, 7 nos. of Weaving Units and one number of proposed Processing Unit in the proposed textile park.

After discussing the matter in detail during the meeting, it was decided to amend the TORs prescribed during the meeting of SEAC held on 28/10/2015 and the project proponent was asked to incorporate following additional Terms of Reference in the EIA report to be prepared based on the EIA study to be done covering 10 km radius from the project boundary of the proposed site in addition to the TORs prescribed during the meeting of SEAC held on 28/10/2015.

- 1. Details of the treatment scheme proposed including size of each unit, retention time, other technical parameters, complete technical details of RO etc. and its adequacy and efficacy report to ensure that the Zero Liquid Discharge will be achieved at all the time. Submit stage wise reduction of major parameters.
- 2. Techno-economic viability of the effluent treatment system to achieve zero discharge should be justified in detail.
- 3. Application wise break-up of treated effluent quantity to be recycled / reused in various applications within premises along with feasibility of its reuse. In case of land application, details on availability of sufficient open land for utilizing effluent for plantation / gardening. How it will be ensured that treated effluent won't

flow outside the premises linked with storm water during high rainy days.

- 4. Technical details of MEE including evaporation capacity, steam required for evaporation, adequacy of the proposed boiler to supply steam for evaporation in addition to the steam required for the process etc. Techno-economical viability of the evaporation system.
- 5. Proposal to provide and maintain separate electric meter, operational logbook for effluent treatment systems including RO & MEE, online meters for monitoring of flow, pH, TOC/COD etc. of treated effluent to be reused.
- 6. Complete details on additional resource requirements & wastes generation (liquid, hazardous waste, process emission etc.), along with the mitigations measures, due to the proposed processing unit should also be incorporated in the EIA report.

The following project proponents did not remained present during the meeting. It was decided to call them again in one of the upcoming meetings of SEAC.

- 1. Pearl Villa and Plaza, Naroda, Ta:Asarwa, Dist:Ahmedabad
- 2. Skybell, T.P.No.114 (Vastral Ramol), S.No.774/2, F.P.No.31/2/1, At Vastral, Vatva, Ahmedabad.
- 3. The Banyan, T.P.S.No.51 (Bodakdev-Makarba-Vejalpur), 213 (Bodakdev), S.No.147/2/p,178/1,F.P. No. 95,134/2,160/2, Bodakdev, Ghatlodiya, Ahmedabad.
- 4. River Palace, Block No:435(435+436), Nr Ramji Temple, Moje-Tapi, Vyara, Dist-Tapi.
- 5. Al Madina Heights, Ta:Dahegam, Dist:Gandhinagar.
- 6. Hasmukhbhai Fulabhai Patel, R.S.No.35/1/1, 35/1/2, F.P.No.8, O.P.No.8, T.P.No.17, Saiyad Vasna, Vadodara.

The following project proponent attended the meeting but the committee decided not to hear them in view of violating the provisions of EIA Notification, 2006 by carrying out construction activity without obtaining prior Environmental Clearance.

1. Amardeep Homes, F.P.No. 6/A & 7/A, T.P.S.No.Sayajipura-1, Vill. Sayajipura, Dist. Vadodara.

Meeting ended with thanks to the Chair and the Members.

Minutes approved by:

| 1. | Shri V. C. Soni, Vice Chairman, SEAC. | |
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| 2. | Shri R. J. Shah, Member, SEAC. | |
| 3. | Dr. V. K. Jain, Member, SEAC. | |
| 4. | Shri V. N. Patel, Member, SEAC. | |
| 5. | Shri Hardik Shah, Secretary, SEAC. | |