Minutes of the 286th meeting of the State Level Expert Appraisal Committee held on 13/04/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.

The 286th meeting of the State Level Expert Appraisal Committee (SEAC) was held on 13th April, 2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar. Following members attended the meeting:

1. Shri T. P. Singh, Chairman, SEAC
2. Shri V. C. Soni, Vice Chairman, SEAC.
3. Shri R. J. Shah, Member, SEAC.
4. Dr. V. K. Jain, Member, SEAC.
5. Shri R. I. Shah, Member, SEAC.
6. Shri V. N. Patel, Member, SEAC.
7. Shri Hardik Shah, Secretary, SEAC.

The agenda of TOR/Scoping/ cases and appraisal cases was taken up. Nineteen (19) cases of TOR/Scoping and eight (8) appraisal cases i.e total 27 cases were taken up. The applicants made presentations on the activities to be carried out along with other details furnished in the Form-1,Form IA, EIA report and other reports.

1.	Pearl Villa & Plaza	R.S. No.- 643, O.P. No.- 53, F.P. No.- 53, D.T.P.S. No.- 121 (Naroda-Hanspura-Kathwada), Vill: Naroda, Tal.: Asarwa , Dist.: Ahmedabad.	Screening & scoping / appraisal

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/42279/2016]
2.	Type of Project	Residential & Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Pearl Villa and Plaza
5.	Name of Developer	Kudrat Enterprise
6.	Estimated Project Cost (Rs. In Crores)	14.0 cr.
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction activity has been started

<table>
<tr><td>8.</td><td>Project Details</td><td>
• Land / Plot Area (m^2): 6,859.0
• FSI area (m^2): 14,985.60
• Total BUA (m^2): 22,136.96

<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area</td><td>18,519.30</td><td>14,985.60</td></tr>
<tr><td>Ground Coverage</td><td></td><td>3,745.91</td></tr>
<tr><td>Common Plot Area</td><td>685.90</td><td>691.57</td></tr>
<tr><td>Max. building height</td><td>30</td><td>19.05</td></tr>
</table>
</td></tr>
<tr><td>9.</td><td>Building Details</td><td>
• No. of Buildings: 1 commercial building + 24 bungalows.
• No. of Blocks: 1 commercial building + 24 bungalows.
• Scope of buildings/blocks: Commercial building – 2 level basement + s.ground floor + 5 floors, bungalows – ground floor + 2 floors.
• No.& size of Residential Units: 24 bungalows.
• No. & size of commercial units: 188 shops & offices.
• Details of amenities if any:
</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>Fixed population considered for the project: 496
Floating population considered for the project: 424</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>
• Water requirement (KL/day): 20
• Source of water: Water supply from Ahmedabad Municipal Corporation
• Waste water generation quantity (KL/day): 4
• Mode of disposal: Disposal through drainage line of Ahmedabad Municipal Corporation
• Details of reuse of water, if any: ---
</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>
• Fresh water requirement (KL/day): 37.42
• Source of water: Water supply from Ahmedabad Municipal Corporation
• Sewage generation quantity (KL/day): 27.94
• Mode of disposal: Disposal through drainage line of Ahmedabad Municipal Corporation
</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply & drainage lines already available in the area.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>
Construction Phase:
<table>
<tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Top Soil</td><td>1546</td><td>1546</td><td>Will be completely reused for greenbelt development.</td></tr>
<tr><td>Other excavated earth</td><td>3091</td><td>3091</td><td rowspan="2">Completely utilized for back filling, plinth filling & internal road development</td></tr>
<tr><td>Construction debris</td><td>300</td><td>300</td></tr>
<tr><td>Steel scrap</td><td>708 MT</td><td>708 MT</td><td rowspan="2">Will be sold to recyclers / vendors.</td></tr>
<tr><td>Discarded packing materials</td><td>26 MT</td><td>26 MT</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td></td><td>Operation Phase:
<table>
<tr><th>Type of waste</th><th>Generation Quantity (Kg/day)</th><th>Mode of waste collection</th><th>Mode of Disposal / Reuse</th></tr>
<tr><td>Dry waste &wet waste</td><td>59</td><td>23 nos. of bins of 80 lit capacity will be provided at various locations.</td><td>The community bins are regularly emptied by AMC.</td></tr>
</table>
• Details of segregation if to be done: No
• Capacity and no. of community bins to be placed within premises: 23 nos. of bins of 80 lit capacity will be provided at various locations.
• Landfill site where waste will be ultimately disposed by local authority: at the nearest Municipal Solid Waste landfill / dumping site of AMC</td></tr>
<tr><td>15.</td><td>Traffic Management</td><td>• Width of adjacent public roads: 37.50 m
• Number of Entry & Exit provided on approach road/s: Two gates will be provided.
• Width of Entry & Exit provided on approach road/s:7.50 m & 6 m
• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m
• Width of all internal roads: 7.50 m & 6 m</td></tr>
<tr><td>16.</td><td>Details of Green Building measures proposed.</td><td>Solar lights in common sunlit areas, solar street lights, maximum use of CFL lights, use of variable frequency drive motors, rain water harvesting through ground water recharge etc.</td></tr>
<tr><td>17.</td><td>Energy Requirement, Source and Conservation</td><td>Power supply:
Maximum demand: 636 KW
Connected load:
Source: Torrent Power Limited</td></tr>
<tr><td>18.</td><td>Fire and Life Safety Measures</td><td>Fire extinguishers, hose reel, wet riser, yard hydrant, manually operated electric fire alarm system, automatic detection & alarm system, automatic sprinkler system in basement etc. will be provided during the operation phase.</td></tr>
<tr><td>19.</td><td colspan="2">Details on staircase
One staircase of 1 m width will be provided in each individual bungalow. It is proposed to provide 3 staircases in the proposed commercial building.</td></tr>
<tr><td>20.</td><td>Rain Water Harvesting (RWH)</td><td>• Level of the Ground water table:
• No. & dimensions of RWH tank(s) :
• No. and depth of percolations wells: 2 Nos. of percolation wells.
Details on Pre-treatment facilities :</td></tr>
<tr><td>21.</td><td>Green area details</td><td>• Tree covered area (m^2) : 257.33
• Area covered by shrubs and bushes (m^2):
• Lawn covered area (m^2): 535.73
• Total Green Area (m^2): 793.06
• Green Area % of plot area:
• No. of trees and species to be planted: 103 trees of Gulmohar, Asopalav, Neem, Garmalo, Sevan etc.</td></tr>
</table>

22.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	(Please specify the activities and break up of budget allocation)
23.	Proposed dust control measures during the construction phase	Dust suppression by water sprinkling, peripheral barricading of atleast 3 m height, compaction of soil during construction phase, covering the material during transportation, PUC compulsion for all the vehicles etc.
24.	Eco friendly building material usage details.	Use of fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood/ particle board instead of wood, PVC electrical boards, maximum use of Portland Pozzolona Cement (PPC),
25.	Details on amenities to be provided to construction workers.	Sanitation facilities, drinking water, municipal solid waste collection facility, first aid facilities.

During the meeting, the project proponent was suggested to increase the parking area provision for the project. It was presented that they have obtained permission from Airports Authority of India for the proposed project. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Explore the possibility of increasing the parking area provision for the project and revised details of the same with back up calculation, details of the norms adopted for it, parking plan etc. Details on plot area of each individual type of bungalow, its ground coverage, open area & parking area available within the premises of each individual type of bungalow etc. should also be submitted.
2. 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).
3. Exact aerial distance of the project site from the nearest GIDC / industrial cluster and the nearest TSDF site.
4. Copy of permission obtained from Airports Authority of India for the proposed project.

2.	Sky Bell	R.S. No.- 774/2, O.P. No.- 31/2, F.P. No.- 31/2/1, T.P.S.No.- 114 (Vastral – Ramol), Vill: Vastral, Tal.: Vatva , Dist.: Ahmedabad.	Screening & scoping / appraisal

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/42736/2016]
2.	Type of Project	Residential
3.	Project /	8 (a)

<table>
<tr><td></td><td>Activity No. [8(a) or 8(b)]</td><td></td></tr>
<tr><td>4.</td><td>Name of the project</td><td>Sky Bell</td></tr>
<tr><td>5.</td><td>Name of Developer</td><td>Hindva Builders</td></tr>
<tr><td>6.</td><td>Estimated Project Cost (Rs. In Crores)</td><td>22.63 cr.</td></tr>
<tr><td>7.</td><td>Whether construction work has been initiated at site? If yes, details thereof</td><td>No construction activity has been started</td></tr>
<tr><td>8.</td><td>Project Details</td><td>• Land / Plot Area (m^2) : 7,976.0
• FSI area (m^2): 21,535.19
• Total BUA (m^2): 37,716.50

<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area (m^2)</td><td>21,535.20</td><td>21,535.19</td></tr><tr><td>Ground Coverage (m^2)</td><td>---</td><td>4,045.15</td></tr><tr><td>Common Plot Area (m^2)</td><td>797.60</td><td>985.71</td></tr><tr><td>Max. building height (m)</td><td>30</td><td>24.55</td></tr></table></td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings: 5
• No. of Blocks: 9
• Scope of buildings/blocks: Basement + hollow plinth + 7 floors.
• No.& size of Residential Units: 242 flats of 2 & 3 BHK
• Details of amenities if any:---</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>Fixed population considered for the project: 1210
Floating population considered for the project: 484</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day): 20
• Source of water: Water supply from Ahmedabad Municipal Corporation
• Waste water generation quantity (KL/day): 4
• Mode of disposal: Disposal through drainage line of Ahmedabad Municipal Corporation
• Details of reuse of water, if any: In Gardening</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Fresh water requirement (KL/day): 184.0
• Source of water: Water supply from Ahmedabad Municipal Corporation
• Sewage generation quantity (KL/day): 145.20
• Mode of disposal: Disposal through drainage line of Ahmedabad Municipal Corporation</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply & drainage lines already available in the area.</td></tr>
</table>

<table>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:
<table>
<tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Top Soil</td><td>2634</td><td>2634</td><td>Will be completely reused for greenbelt development.</td></tr>
<tr><td>Other excavated earth</td><td>5266</td><td>5266</td><td rowspan="2">Completely utilized for back filling, plinth filling & internal road development</td></tr>
<tr><td>Construction debris</td><td>510</td><td>510</td></tr>
<tr><td>Steel scrap</td><td>1206</td><td>1206</td><td rowspan="2">Will be sold to recyclers / vendors.</td></tr>
<tr><td>Discarded packing materials</td><td>2634</td><td>2634</td></tr>
</table>
Operation Phase:
<table>
<tr><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Dry waste & wet waste</td><td>121</td><td>31 nos. of bins of 80 lit capacity will be provided at various locations.</td><td>The community bins will be regularly emptied by AMC.</td></tr>
</table>
• Details of segregation if to be done: No
• Capacity and no. of community bins to be placed within premises: 31 nos. of bins of 80 lit capacity will be provided at various locations.
• Landfill site where waste will be ultimately disposed by local authority: At nearby municipal solid waste landfill / dumping area of AMC.</td></tr>
<tr><td>15.</td><td>Parking Details</td><td>• Total parking area requirement for the project as per GDCR: 4307.04
• Parking area requirement for residential units as per GDCR: 4307.04
• Total number of CPS requirement for the project as per NBC : 164
• Number of CPS requirement for residential units as per NBC: 164
• Total Parking area provided (m^2) & No. of ECS: 7398.41 (243)
• Parking area provided in basement (m^2) & No. of ECS: 4558.72 (142)
• Parking area provided in hollow plinth (m^2) & No. of ECS: 2839.69 (101)</td></tr>
<tr><td>16.</td><td>Traffic Management</td><td>• Width of adjacent public roads: 18 m
• Number of Entry & Exit provided on approach road/s: Two gates will be provided.
• Width of Entry & Exit provided on approach road/s: 7.50 m
• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation): 3m
• Width of all internal roads: 7.50 m</td></tr>
<tr><td>17.</td><td>Details of Green Building measures proposed.</td><td>Solar lights in common sunlit areas, solar street lights, maximum use of CFL lights, use of variable frequency drive motors, rain water harvesting through ground water recharge etc.</td></tr>
<tr><td>18.</td><td>Energy</td><td>Power supply:</td></tr>
</table>

<table>
<tr><td></td><td>Requirement, Source and Conservation</td><td>Maximum demand: 726 KW
Connected load:
Source: Torrent Power Limited</td></tr>
<tr><td>19.</td><td>Fire and Life Safety Measures</td><td>Fire extinguishers, hose reel, wet riser, yard hydrant, manually operated electric fire alarm system, automatic detection & alarm system, automatic sprinkler system in basement etc. will be provided during the operation phase.</td></tr>
<tr><td>20.</td><td colspan="2">Details on staircase
<table>
<tr><th>Type & no. of buildings</th><th>No. of floors</th><th>Floor area</th><th>No. of staircase</th><th>Width of the staircase</th><th>Travel distance (m)</th></tr>
<tr><td>A+B</td><td>B+H.P+7</td><td>794.41</td><td>2</td><td>1.55</td><td>< 25</td></tr>
<tr><td>C+D, F+G</td><td>B+H.P+7</td><td>564.99</td><td>2</td><td>1.55</td><td>< 25</td></tr>
<tr><td>E</td><td>B+H.P+7</td><td>416.67</td><td>1</td><td>1.55</td><td>< 25</td></tr>
<tr><td>H+I</td><td>B+H.P+7</td><td>568.07</td><td>2</td><td>1.55</td><td>< 25</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table></td></tr>
<tr><td>21.</td><td>Rain Water Harvesting (RWH)</td><td>• Level of the Ground water table:
• No. & dimensions of RWH tank(s) :
• No. and depth of percolations wells : 2 nos. of percolation wells.
• Details on Pre-treatment facilities :</td></tr>
<tr><td>22.</td><td>Green area details</td><td>• Tree covered area (m^2) : 458.41
• Area covered by shrubs and bushes (m^2):
• Lawn covered area (m^2): 853.38
• Total Green Area (m^2): 1311.79
• Green Area % of plot area: 16.45 %
• No. of trees and species to be planted: 120 trees of Gulmohar, Asopalav, Neem, Garmalo, Sevan etc.</td></tr>
<tr><td>23.</td><td>Budgetary allocation for Environmental Management Plan (Rs. in lacs)</td><td>---</td></tr>
<tr><td>24.</td><td>Proposed dust control measures during the construction phase</td><td>Dust suppression by water sprinkling, peripheral barricading of atleast 3 m height, compaction of soil during construction phase, covering the material during transportation, PUC compulsion for all the vehicles etc.</td></tr>
<tr><td>25.</td><td>Eco friendly building material usage details.</td><td>Use of fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood/ particle board instead of wood, PVC electrical boards, maximum use of Portland Pozzolona Cement (PPC),</td></tr>
<tr><td>26.</td><td>Details on amenities to be provided to construction workers.</td><td>Sanitation facilities, drinking water, municipal solid waste collection facility, first aid facilities.</td></tr>
</table>

27.	Documents related to land possession.	Village form no. 7/12 & NA order submitted by them shows that the N.A land for residential use is in the name of M/s Hindva Builders.

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

1. Exact aerial distance of the project site from the boundary of the nearest TSDF site.
2. Notarized undertaking stating that no any kind of ground water abstraction structure will be dug within premises.
3. 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.

3.	The Banyan	R.S. No.- 148/2/P + 178/1, O.P. No.- 95 + 134/1+ 160/2, F.P. No.- 95 + 134/2 + 160/2, Draft T.P.S. No.- 51(Bodakdev-Makarba-Vejalpur), Draft T.P.S. No. - 213 (Bodakdev), Vill: Bodakdev, Tal.: Ghatlodiya , Dist.: Ahmedabad.	Screening & scoping / appraisal

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/42042/2016]
2.	Type of Project	Residential
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	The Banyan
5.	Name of Developer	M/s Suryam Realtors
6.	Estimated Project Cost (Rs. In Crores)	14 Crores
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction activity has been started
8.	Project Details	• Land / Plot Area (m^2) : 6,261.0 • FSI area (m^2): 11,067.90 • Total BUA (m^2): 22,824.54

	Permissible	Proposed
FSI Area (m^2)	11,067.90	11,067.90
Ground Coverage (m^2)	---	3,153.41
Common Plot Area (m^2)	626.10	642.34
Max. building height (m)	45.00	44.30

<table>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings: 1
• No. of Blocks: 2
• Scope of buildings/blocks: Basement + hollow plinth + 12 floors.
• No.& size of Residential Units: 18 residential units.
• No. & size of commercial units: ---
• Details of amenities if any:---</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>Fixed population considered for the project: 90
Floating population considered for the project: 36</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day): 20
• Source of water: Water supply from Ahmedabad Municipal Corporation
• Waste water generation quantity (KL/day): 4
• Mode of disposal: Disposal through drainage line of Ahmedabad Municipal Corporation
• Details of reuse of water, if any: ---</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Fresh water requirement (KL/day): 16.0
• Source of water: Water supply from Ahmedabad Municipal Corporation
• Sewage generation quantity (KL/day): 10.80
• Mode of disposal: Disposal through drainage line of Ahmedabad Municipal Corporation</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply & drainage lines already available in the area.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:
<table>
<tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Top Soil</td><td>1594</td><td>1594</td><td>Will be completely reused for greenbelt development.</td></tr>
<tr><td>Other excavated earth</td><td>3187</td><td>3187</td><td rowspan="2">Completely utilized for back filling, plinth filling & internal road development</td></tr>
<tr><td>Construction debris</td><td>309</td><td>309</td></tr>
<tr><td>Steel scrap</td><td>730</td><td>730</td><td rowspan="2">Will be sold to recyclers / vendors.</td></tr>
<tr><td>Discarded packing materials</td><td>1594</td><td>1594</td></tr>
</table>
Operation Phase:
<table>
<tr><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>Dry waste & wet waste</td><td>67.5</td><td>3 nos. of bins of 80 lit capacity will be provided at various locations.</td><td>The community bins are regularly emptied by AMC.</td></tr>
</table>
• Details of segregation if to be done:No.
• Capacity and no. of community bins to be placed within premises: 03 nos. of bins of 80 lit capacity will be provided at various locations.
• Landfill site where waste will be ultimately disposed by local authority: at the nearest Municipal Solid Waste landfill / dumping site of AMC.
</td></tr>
<tr><td>15.</td><td>Parking Details</td><td>• Total parking area requirement for the project as per GDCR: 2,213.58 m^2
• Parking area requirement for residential units as per GDCR: 2,213.58 m^2
• Total number of CPS requirement for the project as per NBC : 18
• Number of CPS requirement for residential units as per NBC: 18
• Total Parking area provided (m^2) & No. of ECS: 3,642.67 m^2 (124)
• Parking area provided in basement (m^2) & No. of ECS: 1,185.77 m^2 (37)
• Parking area provided in hollow plinth (m^2) & No. of ECS: 2,456.90 m^2 (87)</td></tr>
<tr><td>16.</td><td>Traffic Management</td><td>• Width of adjacent public roads: 18 m wide road on two sides.
• Number of Entry & Exit provided on approach road/s: Two 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 forthe plantation): 6 m
• Width of all internal roads: 6 m</td></tr>
<tr><td>17.</td><td>Details of Green Building measures proposed.</td><td>Solar lights in common sunlit areas, solar street lights, maximum use of CFL lights, use of variable frequency drive motors, rain water harvesting through ground water recharge etc.</td></tr>
<tr><td>18.</td><td>Energy Requirement, Source and Conservation</td><td>Power supply:
Maximum demand: 54 KW
Connected load:
Source: Torrent Power Limited</td></tr>
<tr><td>19.</td><td>Fire and Life Safety Measures</td><td>Fire extinguishers, hose reel, wet riser, yard hydrant, manually operated electric fire alarm system, automatic detection & alarm system, automatic sprinkler system in basement etc. will be provided during the operation phase.</td></tr>
<tr><td>20.</td><td colspan="2">Details on staircase
<table>
<tr><td>Type & no. of buildings</td><td>No. of floors</td><td>Floor area</td><td>No. of staircase</td><td>Width of the staircase</td><td>Travel distance (m)</td></tr>
<tr><td>1 No. of Resi. Block</td><td>12</td><td>1003.56</td><td>2</td><td>2.08 m</td><td><30</td></tr>
</table>
</td></tr>
<tr><td>21.</td><td>Rain Water Harvesting (RWH)</td><td>• Level of the Ground water table:
• No. & dimensions of RWH tank(s) :
• No. and depth of percolations wells : 2 nos. of percolation wells
• Details on Pre-treatment facilities: filtration and oil & grease removal.</td></tr>
</table>

22.	Green area details	• Tree covered area (m^2) : 344.57 • Area covered by shrubs and bushes (m^2): • Lawn covered area (m^2): 544.87 m^2 • Total Green Area (m^2): 889.44 • Green Area % of plot area: 14.20% • No. of trees and species to be planted: 94
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	(Please specify the activities and break up of budget allocation)
24.	Proposed dust control measures during the construction phase	Dust suppression by water sprinkling, peripheral barricading of atleast 3 m height, compaction of soil during construction phase, covering the material during transportation, PUC compulsion for all the vehicles etc.
25.	Eco friendly building material usage details.	Use of fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood/ particle board instead of wood, PVC electrical boards, maximum use of Portland Pozzolona Cement (PPC),
26.	Details on amenities to be provided to construction workers.	Sanitation facilities, drinking water, municipal solid waste collection facility, first aid facilities.
27.	Documents related to land possession.	Village form no. 7 & 12 submitted by them shows that the N.A land for residential use for all the survey numbers & F.P. numbers is in the name of M/s Suryam Realtors.

During the meeting the project proponent was suggested to make use of solar energy at the maximum extent possible. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

4.	Al Madina Heights	R.S. No.1013/1,1013/2,1014, O.P.No.60, F.P. No.60, D.T.P.S.No.3 (Dahegam), Tal.: Dahegam , Dist.: Gandhinagar.	Screening & scoping

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/48484/2016]
2.	Type of Project	Residential & Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Al Madina Heights
5.	Name of Developer	Alpeshkumar P. Amin
6.	Estimated	18.14

<table>
<tr><td></td><td>Project Cost (Rs. In Crores)</td><td></td></tr>
<tr><td>7.</td><td>Whether construction work has been initiated at site? If yes, details thereof</td><td>No construction activity has been started</td></tr>
<tr><td>8.</td><td>Project Details</td><td>• Land / Plot Area (m^2) 11,487.00
• FSI area (m^2): 25,845.75
• Total BUA (m^2): 30,223.85

<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area (m^2)</td><td>25,845.75</td><td>25,845.75</td></tr><tr><td>Ground Coverage (m^2)</td><td>5,743.50(50%)</td><td>5,146.28</td></tr><tr><td>Common Plot Area (m^2)</td><td>1,148.70</td><td>1,150.00</td></tr><tr><td>Max. building height (m)</td><td>30</td><td>21.80</td></tr></table></td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings: 6
• No. of Blocks: 9
• Scope of buildings/blocks: Ground floor + 6 floors
• No.& size of Residential Units: 312
• No. & size of commercial units: 46 shops
• Details of amenities if any:---</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>Fixed population considered for the project: 1652 persons
Floating population considered for the project: 716 persons</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day): 20
• Source of water: Local water tanker suppliers
• Waste water generation quantity (KL/day): 4
• Mode of disposal: Disposal through septic tank & soak pit system
• Details of reuse of water, if any: ---</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Fresh water requirement (KL/day): 240.64
• Source of water: Dahegam Nagarpalika
• Waste water generation quantity (KL/day): 190.51
• Mode of disposal: Sewage disposal into Dahegam Nagarpalika.</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply & drainage connection of Dahegam Nagarpalika will be used.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:<table><tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr><tr><td>Top Soil</td><td>1550</td><td>1550</td><td>Will be completely reused for greenbelt development.</td></tr><tr><td>Other excavated earth</td><td>4220</td><td>4220</td><td rowspan="2">Completely utilized for back filling, plinth filling & internal road development</td></tr><tr><td>Construction debris</td><td>409</td><td>409</td></tr></table></td></tr>
</table>

		<table><tr><td>Steel scrap</td><td>966</td><td>966</td><td rowspan="2">Will be sold to recyclers / vendors.</td></tr><tr><td>Discarded packing materials</td><td>2110</td><td>2110</td></tr></table> Operation Phase: <table><tr><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr><tr><td>Dry waste & wet waste</td><td>167.50</td><td>43 nos. of bins of 80 lit capacity will be provided at various locations.</td><td>The community bins are regularly emptied by Dehgam Nagarpalika.</td></tr></table> • Details of segregation if to be done: No • Capacity and no. of community bins to be placed within premises: 43 nos. of bins of 80 lit capacity will be provided at various locations. • Landfill site where waste will be ultimately disposed by local authority: ---
15.	Parking Details	• Total parking area requirement for the project as per GDCR: 4,942.77 • Parking area requirement for residential units as per GDCR: 4,132.69 • Parking area requirement for Commercial units as per GDCR: 810.08 • Total number of CPS requirement for the project as per NBC : 188 • Number of CPS requirement for residential units as per NBC: 156 • Number of CPS requirement for commercial units as per NBC: 32 • Total Parking area provided (m^2) & No. of CPS: 5,082.85 (204 CPS) • Parking area provided in hollow plinth (m^2) & No. of CPS: 2,158.94 (77 CPS) • Parking area provided as open surface (m^2) & No. of CPS: 2,923.91 (127 CPS)
16.	Traffic Management	• Width of adjacent public roads: 24 m • Number of Entry & Exit provided on approach road/s: two gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.50 mt • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width forthe plantation): 3 m • Width of all internal roads: 7.50 m
17.	Details of Green Building measures proposed.	Solar lights in common sunlit areas, maximum use of CFL lights, use of variable frequency drive motors, rain water harvesting through ground water recharge etc.
18.	Energy Requirement, Source and	Power supply: Maximum demand: 1 MW Connected load:

<table>
<tr><td></td><td>Conservation</td><td>Source: Gujarat Electricity Board.</td></tr>
<tr><td>19.</td><td>Fire and Life Safety Measures</td><td>Fire extinguishers, hose reel, wet riser, yard hydrant, manually operated electric fire alarm system, automatic detection & alarm system etc. will be provided during the operation phase.</td></tr>
<tr><td>20.</td><td colspan="2">Details on staircase
<table>
<tr><th>Type & no. of buildings</th><th>No. of floors</th><th>Floor area</th><th>No. of staircase</th><th>Width of the staircase</th><th>Travel distance (m)</th></tr>
<tr><td>A+ B+C+D</td><td>G+6</td><td>1,372.78</td><td>4</td><td>1.52</td><td><30</td></tr>
<tr><td>E</td><td>G+6</td><td>350.43</td><td>1</td><td>1.52</td><td><30</td></tr>
<tr><td>F</td><td>H.P.+6</td><td>277.87</td><td>1</td><td>1.52</td><td><30</td></tr>
<tr><td>G</td><td>H.P.+6</td><td>531.34</td><td>1</td><td>1.52</td><td><30</td></tr>
<tr><td>H</td><td>H.P.+6</td><td>361.20</td><td>1</td><td>1.52</td><td><30</td></tr>
<tr><td>I</td><td>G+6</td><td>361.20</td><td>1</td><td>1.52</td><td><30</td></tr>
</table></td></tr>
<tr><td>21.</td><td>Rain Water Harvesting (RWH)</td><td>• Level of the Ground water table:
• No. & dimensions of RWH tank(s) :
• No. and depth of percolations wells: 3 Nos. & depth up to underground aquifer
• Details on Pre-treatment facilities :</td></tr>
<tr><td>22.</td><td>Green area details</td><td>• Tree covered area (m^2) : 1,231.04
• Area covered by shrubs and bushes (m^2):
• Lawn covered area (m^2): 1036.84
• Total Green Area (m^2): 2,267.88
• Green Area % of plot area: 19 %
• No. of trees and species to be planted: 173 trees of Gulmohar, Asopalav, Neem, Garmalo, Sevan etc.</td></tr>
<tr><td>23.</td><td>Budgetary allocation for Environmental Management Plan
(Rs. in lacs)</td><td>(Please specify the activities and break up of budget allocation)</td></tr>
<tr><td>24.</td><td>Proposed dust control measures during the construction phase</td><td>Dust suppression by water sprinkling, peripheral barricading of atleast 3 m height, compaction of soil during construction phase, covering the material during transportation, PUC compulsion for all the vehicles etc.</td></tr>
<tr><td>25.</td><td>Eco friendly building material usage details.</td><td>Use of fly ash paver blocks for pavements/walkways, most of the carpentry structures will be made up of processed engineering wood/ particle board instead of wood, PVC electrical boards, maximum use of Portland Pozzolona Cement (PPC),</td></tr>
<tr><td>26.</td><td>Details on amenities to be provided to construction workers.</td><td>Sanitation facilities, drinking water, municipal solid waste collection facility, first aid facilities.</td></tr>
<tr><td>27.</td><td>Documents related to land possession.</td><td>Opinion from Mamlatdar office shows that N.A land for residential & commercial use is in the name of applicant & others.</td></tr>
</table>

During the meeting, the project proponent was suggested to provide solar street lights. After detailed

discussion, it was decided to appraise the project further only after submission of the following:

1. Status of water supply & drainage connection network of Dahegam Nagarpalika in the area along with the details like common STP of Dahegam Nagarpalika, its location, pumping station, final disposal point of sewage by Dahegam Nagarpalika, availability of adequate quantity of water to the nagarpalika for supplying it to the proposed project etc.
2. Copy permission from concerned competent authority for providing water supply, drainage connection and municipal solid waste collection & disposal facility to the proposed project.
3. Explore the possibility of providing solar street lights and details thereof.
4. 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.
5. Provision of two staircases in the buildings having floor area more than 500 m^2 on each floor and revised plans showing the same should also be submitted.

5.	Sky View	Survey No. 551, Village: Argama, Tehsil: Vagra, Dist.: Bharuch	Screening & scoping

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

Sr. No.	Particulars	Details
1.	Proposal is for	New project [SIA/GJ/NCP/33350/2015]
2.	Type of Project	Residential + Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Sky View
5.	Name of Developer	Sky Investment & Developers.
6.	Estimated Project Cost (Rs. In Crores)	24.46 crores /-
7.	Whether construction work has been initiated at site? If yes, details thereof	No.

<table>
<tr><td>8.</td><td>Project Details</td><td>• Land / Plot Area (m^2) : 15,040.0
• FSI area (m^2) : 26,941.79
• Total BUA (m^2) : 42,675.65
<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area (m^2)</td><td>27,072.00</td><td>26,941.79</td></tr><tr><td>Ground Coverage (m^2)</td><td>4,512.00</td><td>4,504.86</td></tr><tr><td>Common Plot Area (m^2)</td><td>1,504.00</td><td>2,231.53</td></tr><tr><td>Max. building height (m)</td><td></td><td>25.65</td></tr></table></td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings : 05
• No. of Blocks : 3 Residential + 2 Commercial
• Scope of building/blocks : Residential buildings – hollow plinth + 9 floors. Commercial buildings – basement + ground floor + 7 floors.
• No. & size of Residential Units: 288 Nos. Flats
• No. & type of Commercial Units : 238 Nos. Shops + Office
• Details of amenities if any : 1 Restaurant</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>1816 Nos.</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day): 16.3
• Source of water: Borewell water
• Waste water generation quantity (KL/day): 5.0
• Mode of disposal: Into septic tank through soak pit
• Details of reuse of water, if any: No</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Fresh water requirement (KL/day): 173.73
• Source of water: Nagarpalika / GPCPSIRDA
• Waste water generation quantity (KL/day): 137.95
• Mode of disposal: Disposed into Drainage provided by GPCPSIRDA</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>At present there water supply and drainage lines are not available at the project site.</td></tr>
<tr><td>14.</td><td>Parking Details</td><td>• Total parking area requirement for the project as per GDCR: 7,110.97 m^2
• Parking area requirement for residential units as per GDCR: 1,589.97 m^2
• Parking area requirement for Commercial units as per GDCR: 5,521.0 m^2
• Total number of CPS requirement for the project as per NBC: 255 CPS
• Number of CPS requirement for residential units as per NBC: 144 CPS
• Number of CPS requirement for commercial units as per NBC: 111 CPS
• Total Parking area provided (m^2) & No. of ECS: 8,645.54 m^2, 317 CPS
• Parking area provided in basement (m^2) & No. of ECS: 2,968.68 m^2, 92 CPS
• Parking area provided in hollow plinth (m^2) & No. of ECS: 2,659.83 m^2, 94 CPS</td></tr>
</table>

<table>
<tr><td></td><td></td><td>• Parking area provided as open surface (m^2) & No. of ECS: 3,017.03 m^2, 131 CPS</td></tr>
<tr><td>15.</td><td>Traffic Management</td><td>• Width of adjacent public roads: 60 m wide proposed road.
• Number of Entry & Exit provided on approach road/s: 2 gates will be provided.
• Width of Entry & Exit provided on approach road/s: 12 & 9 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: 12 m, 9 m & 7.5 m</td></tr>
<tr><td>16.</td><td>Details of Green Building measures proposed.</td><td>Transformers & motors with minimum efficiency of 50%, use of CFL lights in common areas, use of light colours to reduce the light absorption and minimize the cooling requirement, rain water harvesting through ground water recharge etc.</td></tr>
<tr><td>17.</td><td>Energy Requirement, Source and Conservation</td><td>• Power supply:
Maximum demand: 10 HP during construction phase and 400 HP during operation phase
Connected load :
• Source: Dakshin Gujarat Vij Company Limited.
• Energy saving measures: Transformers & motors with minimum efficiency of 50%, use of CFL lights in common areas, use of light colours to reduce the light absorption and minimize the cooling requirement etc.
• DG Sets: Not proposed.</td></tr>
<tr><td>18.</td><td>Fire and Life Safety Measures</td><td>Overhead tank of 35 KL on each building, fire extinguishers, fire hydrant system etc. will be provided.</td></tr>
<tr><td>19.</td><td colspan="2">Details on staircase
<table>
<tr><th>Type & no. of buildings</th><th>No. of floors</th><th>Floor area (m^2)</th><th>No. of staircase</th><th>Width of the staircase (m)</th><th>Travel distance (m^2)</th></tr>
<tr><td>A</td><td>G+7</td><td>765.51</td><td>3</td><td>2.0</td><td><30</td></tr>
<tr><td>B</td><td>G+7</td><td>621.91</td><td>3</td><td>2.0</td><td><30</td></tr>
<tr><td>1</td><td>G+8</td><td>625.64</td><td>3</td><td>2.0</td><td><30</td></tr>
<tr><td>2</td><td>G+8</td><td>625.64</td><td>3</td><td>2.0</td><td><30</td></tr>
<tr><td>3</td><td>G+8</td><td>625.64</td><td>3</td><td>2.0</td><td><30</td></tr>
</table></td></tr>
<tr><td>20.</td><td>Rain Water Harvesting (RWH)</td><td>• Level of the Ground water table :
• No. & dimensions of RWH tank(s) : 4 Nos.
• No. and depth of percolations wells : 4 Nos.
• Details on Pre-treatment facilities :</td></tr>
<tr><td>21.</td><td>Proposed dust control measures during the construction phase</td><td>Dust suppression by water sprinkling, covered shed for cement unloading activity, PUC compulsion for vehicles, covering the construction material during storage & transportation, barricading the project site etc.</td></tr>
<tr><td>22.</td><td>Eco friendly building material</td><td>Use of RMC, flay ash bricks etc.</td></tr>
</table>

	usage details.	
23.	Documents related to land possession	Village form no. 7 submitted by them shows that the N.A land for residential & commercial use is in the name of applicant Mr. Patel Imtiyaz Ibrahim and others.

During the meeting, it was observed that parking requirement & provision for the proposed restaurant has not been considered in the total parking area provision for the project. The project proponent was suggested to increase the parking area provision and to make use of solar energy for the proposed project. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Exact source of water supply and availability of drainage connection during operation phase of the project and permission from concerned competent authority for providing water supply, drainage connection & municipal solid waste collection facility.
2. Explore the possibility of increasing the parking area provision for the proposed project and revised details on parking area provision, considering the increased parking space as well as parking requirement for the proposed restaurant, with back up calculation & parking plans.
3. Details of soil excavation / filling required for the project along with its quantification based on backup calculations. Details with respect to proposed use / disposal of excavated soil. Plan for management, use and disposal of construction debris including excavated materials during the construction phase. Details of top soil management plan during construction phase
4. Details with respect to the quantity of garbage / Municipal Solid waste(biodegradable & recyclable waste) generation, its management and disposal.
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. 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.
7. Details on the fire fighting facilities to be provided for the proposed commercial buildings considering the type of activities to be carried out in the commercial units.
8. Details on use of solar energy in the form of solar lights, solar water heaters, solar panels etc.

6.	Ocean Park	S.No.182-P,T.P.S. No.: 21, O.P.No.: 644,Village: Vasna- (Ambavadi), Tehsil: Ahmedabad Saher Paschim, Dist: Ahmedabad.	Screening & scoping

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/50279/2016]
2.	Type of Project	Commercial Complex
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	“Ocean Park”

<table>
<tr><td>5.</td><td>Name of Developer</td><td>Venus Infrastructure & Developers Pvt. Ltd.</td></tr>
<tr><td>6.</td><td>Estimated Project Cost (Rs. In Crores)</td><td>90 Crore</td></tr>
<tr><td>7.</td><td>Whether construction work has been initiated at site? If yes, details thereof</td><td>No construction work has been started.</td></tr>
<tr><td>8.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 9,754.0
• FSI area (m^2):47,787.59
• Total BUA (m^2):86,342.95
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area (m^2)</td><td>--</td><td>47787.59</td></tr>
<tr><td>Ground Coverage (m^2)</td><td>---</td><td>3752.02</td></tr>
<tr><td>Common Plot Area (m^2)</td><td>---</td><td>975.40</td></tr>
<tr><td>Max. building height (m)</td><td>---</td><td>74.9 m</td></tr>
</table></td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings:3
• No. of Blocks:3
• Scope of buildings/blocks:2 buildings – 3 level basement + ground floor + 21 floors. 1 building – 3 level basement + hollow plinth + 21 floors. 10^{th} floor & 18^{th} floors skip floors.
• No.& size of Residential Units:N.A
• No. & type of Commercial Units:420 Offices & 40 Shops</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>Comm. 4500 users including floating population</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day):30.0
• Source of water: Water supply from AMC.
• Waste water generation quantity (KL/day):4.5
• Mode of disposal: Into septic tank & soak pit.
• Details of reuse of water, if any:N.A.</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Total water requirement (KL/day): 201.0
• Fresh water requirement (KL/day):197.0
• Source of water: Water supply from AMC
• Waste water generation quantity (KL/day):173.0
• Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening purpose within premises and all the remaining quantity of treated sewage will be discharged into the drainage line AMC.
• In case of STP provision, capacity of STP:175.0
• STP Technology: STP comprising of primary + secondary (MBBR type aeration tank)+ tertiary treatment (pressure sand filter + activated carbon filter + hypo dosing tank)
• Purposes for treated water utilization: Gardening
• Quantity of treated water to be reused:
• 1.Gardening (KL/day):4.0
• Provision of dual plumbing system (Yes/No): No
• Quantity and type (treated/untreated)of water to be discharged: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening purpose within premises and all the remaining quantity of treated sewage will be discharged into the drainage line AMC.</td></tr>
</table>

<table>
<tr><td></td><td></td><td>• Mode of disposal: As above.</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply& drainage line is provided by AMC.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:
<table>
<tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Top Soil</td><td>65,800</td><td>65,800</td><td>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</td></tr>
<tr><td>Other excavated earth</td><td>Whatsoever</td><td>Whatsoever</td><td>Will be used as road sub base within premises.</td></tr>
<tr><td>Construction debris</td><td>Whatsoever</td><td>Whatsoever</td><td>Will be sold to vendors.</td></tr>
<tr><td>Steel scrap</td><td>Whatsoever</td><td>Whatsoever</td><td>Will be sold to vendors.</td></tr>
<tr><td>Discarded packing materials</td><td>Whatsoever</td><td>Whatsoever</td><td>Top soil will be used in developing garden area and excavated earth will be used for land levelling within premises.</td></tr>
</table>
Operation Phase:
<table>
<tr><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Dry waste</td><td>396</td><td>Into bins to be provided within premises.</td><td>Door to door waste collection system of AMC.</td></tr>
<tr><td>Wet waste</td><td>264</td><td>Into bins to be provided within premises.</td><td>Door to door waste collection system of AMC.</td></tr>
</table>
• Details of segregation if to be done: Not proposed.
• Capacity and no. of community bins to be placed within premises: Total 119 bins with 80 lit capacities will be provided.
• Landfill site where waste will be ultimately disposed by local authority: At the nearest municipal solid waste collection / dumping site of AMC.</td></tr>
<tr><td>15.</td><td>Parking Details</td><td>• Total parking area requirement for the project as per GDCR:16,732.66 sqm
• Parking area requirement for Commercial units as per GDCR:16,732.66 sqm
• Total number of CPS requirement for the project as per NBC:460</td></tr>
</table>

<table>
<tr><td></td><td></td><td>CPS
• Number of CPS requirement for commercial units as per NBC: 460 CPS
• Total Parking area provided (m^2) & No. of ECS:16,948.80 m^2 & 542ECS
• Parking area provided in hollow plinth (m^2) & No. of ECS: 1,023.62 m^2 & 37 ECS
• Parking area provided as open surface (m^2) & No. of ECS: 672.64 m^2 & 30 ECS
• Parking area provided as 1st Basement (m^2) & No. of ECS: 6,522.94 m^2 & 203 ECS
• Parking area provided as 2nd Basement (m^2) & No. of ECS: 6,522.94 m^2 & 203 ECS
• Parking area provided as 3rd Basement (m^2) & No. of ECS: 2,206.66 m^2 & 69 ECS</td></tr>
<tr><td>16.</td><td>Traffic Management</td><td>• Width of adjacent public roads: 60 m & 12 m
• Number of Entry & Exit provided on approach road/s:---
• Width of Entry & Exit provided on approach road/s:---
• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation):---
• Width of all internal roads:---</td></tr>
<tr><td>17.</td><td>Details of Green Building measures proposed.</td><td>Fly ash/PPC will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces, provision of CFL/LED lights, provision of STP & reuse of treated sewage etc.</td></tr>
<tr><td>18.</td><td>Energy Requirement, Source and Conservation</td><td>• Power supply:Torrent Power Limited
Maximum demand:3500 KVA
Connected load:3500 KVA
• Source:Torrent Power Limited
• Energy saving measures: Use of energy efficient electrical appliances, maximum use of natural light through proper building orientation etc.
• DG Sets:
No. and capacity of the DG sets:3 x 450 KVA
Fuel & its quantity:HSD-100 lit/hr</td></tr>
<tr><td>19.</td><td>Fire and Life Safety Measures</td><td>• Dedicated underground & terrace water tanks for fire fighting, fire extinguishers, fire alarms, hose reels, external hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, auto operation with pressure switch, first aid box, displaying of important telephone numbers etc.
• Name of the nearest fire station: Memnagar Fire Station
Distance from the project site: About 3 Km
Time required by the fire tender to reach the project site: about 5 minutes.</td></tr>
<tr><td>20.</td><td colspan="2">Details on staircase:
<table>
<tr><th>Type of block</th><th>Distance of stair case from the farthest corner</th><th>Number of Stair case</th><th>Width of Stair case in m</th><th>No. of Lifts</th></tr>
<tr><td>Block A</td><td>22.35 m</td><td>3</td><td>2.02</td><td>4</td></tr>
<tr><td>Block B</td><td>22.59 m</td><td>3</td><td>2.02</td><td>5</td></tr>
<tr><td>Block C</td><td>22.59 m</td><td>2</td><td>2.02</td><td>4</td></tr>
</table></td></tr>
<tr><td>21.</td><td>Rain Water</td><td>• Level of the Ground water table:35-40 m BGL</td></tr>
</table>

	Harvesting (RWH)	• No. & dimensions of RWH tank(s):nil • No. and depth of percolations wells:3 nos. of percolating wells, Details on Pre-treatment facilities : --
22.	Green area details	• Tree covered area (m^2):175.0 • Area covered by shrubs and bushes (m^2):-- • Lawn covered area (m^2):800.0 • Total Green Area (m^2):975.0 • Green Area % of plot area:10% • No. of trees and species to be planted:150
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 15.0 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 28.5 lacs and recurring cost of Rs. 7 lacs has been proposed for installation of energy efficient appliances, green belt development, rain water harvesting & ground water recharge, waste water management, solid waste management etc. during the operation phase.
24.	Dust control measures	Water sprinkling, maintaining roads & trees to avoid dust generation etc.
25.	Eco friendly building material usage details.	Fly ash & pozzolana cement will be used in concrete, paving blocks and any cement applications. Lead free paint, enamels will be used for painting wooden and metal surfaces.
26.	Details of basic amenities to be provided to construction workers.	Adequate sanitation facilities, drinking water, bins for collection of municipal solid waste.
27.	Documents related to land possession.	Copy of N.A permission obtained for the project site has been submitted which shows that the land for commercial use is in the name of M/s Soviet Park Co. Op. Ho. So. Ltd., who have entered into the development agreement with M/s Venus Infrastructure & Developers Pvt. Ltd.

During the meeting, the project proponent was suggested to use treated sewage for flushing purpose also. It was also observed that the financial provision made for installation, operation & maintenance of STP has not been considered in the budgetary allocation of EMP during the operation phase. Travel time required by the fire tender to reach the project site from Memnagar fire station was found unrealistic. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Copy of permission from concerned authority or authentic supporting documents showing availability of the proposed FSI, ground coverage & building height to the proposed project.
2. Details on floor area on each floor of the proposed commercial building and travel distance of the nearest staircase from the farthest corner of the floor as well as between the two staircases in the proposed commercial buildings.
3. Revised details on the parking area provision for the proposed project based on the actual parking requirement for the project as per existing/revised GDCR as well as NBC norms with back up calculation & parking plan.
4. Revised water balance details considering the reuse of treated sewage for flushing purpose also.

5. Detailed traffic study & traffic management plan considering the floating and fixed population including visitors as well as existing traffic density on adjacent road during peak hours, projected increase in traffic density in operation phase of the project, carrying capacity of the existing roads, its adequacy during operation phase of the project and the measures to avoid the traffic congestion in the interior as well as the exterior roads.
6. 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.
7. Calculation and provision of minimum fire water requirement based on fire study. Realistic details on time required for a fire tender to reach the project site in case of emergency from the nearest fire station.
8. Layout plan showing two separate gates for entry & exit, their width, internal roads, peripheral open margin all along the boundary etc.
9. Details on arrangement to be made for ventilation, lighting and CO sensors in the basement
10. Details on operation & maintenance of STP during operation phase of the project along with financial provision made for its installation, operation & maintenance.

7.	Rajhans Montessa	R.S.No.83/p,O.P.No.99+100+101+102+103+104+105,+106/1+106/2+106/3+106/4,F.P.No.-113+114+115,T.P.S.No.7(Vesu-Magdalla)Vill-Vesu,Tal.Majura,Dist.Surat.	Screening & scoping

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

Sr. No	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/51313/2016]
2.	Type of Project	Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Rajhans Montessa
5.	Name of Developer	Mr. Sunilbhai Shivlal Jain
6.	Estimated Project Cost (Rs. In Crores)	Rs. 70.0 Crore
7.	Whether construction work has been initiated at site? If yes, details thereof	No
8.	Project Details	• Land / Plot Area (m^2): 9,470.0 • FSI area (m^2): 37,870.01 • Total BUA (m^2) : 56,876.42

<table>
<tr><td></td><td></td><td>
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area (m^2)</td><td>17,046.0</td><td>37,870.01</td></tr>
<tr><td>Ground Coverage (m^2)</td><td>2,841.0</td><td>4,596.29</td></tr>
<tr><td>Common Plot Area (m^2)</td><td>947.00</td><td>1,220.00</td></tr>
<tr><td>Max. building height (m)</td><td>--</td><td>43.78</td></tr>
</table>
</td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings: 01 Nos.
• No. of Blocks: 01 Nos.
• Scope of buildings/blocks: 2 level basement + ground floor + 12 floors.
• No. & size of Residential Units: --
• No. & type of Commercial Units: 140 Nos. of Offices, 10 Nos. of Show Rooms
• Details of amenities if any: --</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>Expected residents: --
Expected shop users: 470
Expected visitors: 800</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day): 14.50
• Source of water: Bore well water
• Waste water generation quantity (KL/day): 2.10
• Mode of disposal: Into septic tank & soak pit.
• Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment.</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Total water requirement (KL/day): 39.0
• Fresh water requirement (KL/day): 28.0
• Source of water: Water supply from Surat Municipal Corporation (S.M.C)
• Waste water generation quantity (KL/day): 27.0
• Mode of disposal: Sewage to be generated will be segregated into the black & grey sewage. Grey sewage will be treated in the proposed onsite STP and treated sewage will be used for gardening & flushing purpose. Only remaining quantity of treated grey sewage (if any) along with the untreated black sewage will be discharged into the drainage line of SMC.
• In case of STP provision, capacity of STP: Yes. Grey Water Treatment Plant-30 KL/day
• STP Technology: -- (Grey Water Treatment Plant)
• Purposes for treated water utilization: Treated sewage will be utilized for gardening and toilet flushing
• Quantity of treated water to be reused: 1. Gardening (KL/day): 5.0
2. Flushing (KL/day): 6.0
• Provision of dual plumbing system (Yes/No): Yes
• Quantity and type (treated/untreated)of water to be discharged: Sewage to be generated will be segregated into the black & grey sewage. Grey sewage will be treated in the proposed onsite STP and treated sewage will be used for gardening & flushing purpose. Only remaining quantity of treated grey sewage (if any) along with the untreated black sewage will be discharged into the drainage line of SMC.
• Mode of disposal: As above.</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Applied to S.M.C for connection of water supply and drainage. SMC water supply and drainage lines are available in the area. .</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:
<table>
<tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused</td><td>Mode of Disposal / Reuse</td></tr>
</table>
</td></tr>
</table>

			(m^3)	
		Top Soil	610.0	610.0	Reuse for developing garden area
		Other excavated earth	60,214.00	264.75 m^3 will be reused for back filling.	Remaining quantity will be send to other project site as per suggestions of SMC.
		Construction debris	597	284 m^3 will be reused as a filler up to plinth level.	Remaining will be reused for outer road development
		Steel scrap	23	--	Sold to local scrap vendors
		Discarded packing materials	14	--	Sold to local vendors

Operation Phase:

Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
Dry waste	56.40	Blue colour bucket	Through door to door waste collection system of SMC
Wet waste	37.60	Green colour bucket	Through door to door waste collection system of SMC
STP Sludge / GWTP Sludge	0.3	On SDB	Reused in gardening as manure within project premises

- Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste.
- Capacity and no. of community bins to be placed within premises: 2.0 m3 in building
- Landfill site where waste will be ultimately disposed by local authority: Khajod Landfill site of SMC.

15.	Parking Details	• Total parking area requirement for the project as per GDCR: 11,361.00 m^2 • Parking area requirement for Commercial units as per GDCR: 11,361.00 m^2 • Total number of CPS requirement for the project as per NBC : 620 • Number of CPS requirement for commercial units as per NBC: 620 • Total Parking area provided (m^2) & No. of ECS: 20,710.00 m^2 & 659 ECS • Parking area provided in basement (m^2) & No. of ECS: 19,651.00 m^2 & 613 ECS • Parking area provided as open surface (m^2) & No. of ECS: 1,059.00 m^2 & 46 ECS.

16.	Traffic Management	• Width of adjacent public roads: 60.0 m & 12.0 m wide roads. • Number of Entry & Exit provided on approach road/s: 3 gates will be provided. • Width of Entry & Exit provided on approach road/s: 7.50 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 6 m • Width of all internal roads: 6.0 m & 7.50 m.
17.	Details of Green Building measures proposed.	Use of fly ash based material, flush tank instead of direct flushing in toilets, foam type aerated coke, rain water harvesting, use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light, treatment of grey sewage & reuse of treated grey sewage, solar panels on terrace floor etc.
18.	Energy Requirement, Source and Conservation	• Power supply Maximum demand: 1000 KVA Source: D.G.V.C.L • Energy saving measures: use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light, solar panels on terrace floor etc. • DG Sets No. and capacity of the DG sets: 01 x 125 KVA Fuel & its quantity: Low Sulphur High speed Diesel (HSD) & quantity – 55 L/hr.
19.	Fire and Life Safety Measures	Fire extinguishers, hose reel, wet riser, yard hydrant, automatic sprinkler system (in passages of all floors & basements), manually operated electric fire alarm system, automatic detection & alarm system, underground fire water storage tank (200 KL x 2 nos), terrace tanks of 20 KL x 2 nos., provision of pump: electric & one Diesel pump of capacity 2850 L/min. & One electric pump of capacity 180 L/min. having pressure 3.5 kg/cm^2 at Terrace level etc.
20.	Details on staircase	

Bldg. No.	No. of Floor	Floor Area (m^2)	No. of Staircase	Width of Staircase (m)	No. of Passenger Lift	No. of Fire Lift	Maximum Travel Distance up to the Staircase (< 30 m)
1	Ground Floor	4596.29	4 nos. of staircases will provided from ground floor to 10th floor and 2 staircases on 11th & 12th	2.00	07	03	<35
	1st Floor	3920.18					
	2nd Floor	4436.55			06		
	3rd Floor	3716.22					
	4th Floor	3589.76					
	5th Floor	3492.02					
	6th Floor	3398.62					
	7th	3300.					

			Floor	58	floors.					
			8th Floor	3339.97						
			9th Floor	3074.19						
			10th Floor	2950.49						
			11th Floor	2479.02						
			12th Floor	641.16						
21.	Rain Water Harvesting (RWH)	• Level of the Ground water table: 20.0 m • No. & dimensions of RWH tank(s) : 05 nos. of RWH tanks; size: 4 m x 3 m x 3 m size of Bore: 350 mm dia. size of pipe: 150 mm dia. • No. and depth of percolations wells: 05 nos. of percolating wells. • Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen.								
22.	Green area details	• Tree covered area (m^2) : 409. 0 • Area covered by shrubs and bushes (m^2): -- • Lawn covered area (m^2): 811.0 • Total Green Area (m^2): 1220.0 • Green Area % of plot area: 12.88 % • No. of trees and species to be planted: 69 trees of Gulmohar, Neem tree, Coconut palm, Asopalav, Champa etc.								
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 86.75 lacs and recurring cost of Rs. 6.35 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management, sewage treatment & reuse etc.								
24.	Proposed dust control measures.	Water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.								
25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.								
26.	Details on amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.								

During the meeting, it was presented that there will be provision of natural lighting & ventilation, LED lighting connected with solar panels, CO sensors, gas detection system with automatic sensors & alarm system associated with mechanical ventilation system, air ventilation at 18 locations with exhaust fans, oxygen level sensors etc. in the basement. They have submitted a notarized undertaking stating that 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. It was presented that flame proof electrical fittings will be provided & details of the same were also presented. Traffic survey carried out on adjacent 60 m wide Surat Dumas road shows that the Level of Service of the road remains the same as excellent "A" in the existing & the proposed scenario. Copy of permission obtained from Airports Authority of India, for building height of 43.78 m above ground level, has been submitted. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Copy of permission obtained from Urban Development & Urban Housing Department, Sachivalay, Gandhinagar for the proposed FSI and ground coverage.
2. Realistic details on the parking area provision for the proposed project based on the actual parking area requirement for the project as per the NBC norms.
3. Exact aerial distance of the project site from river Tapi.
4. Details of mechanical parking to be provided (also including its operation, maintenance, energy consumption, appointing trained personnel's etc.) in the basement along with the feasibility of providing mechanical parking considering the basement height.
5. Design drawing of dual plumbing system to be provided.
6. Details on solar panels to be installed including their number & capacity, type, location & available space etc.
7. 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 for commercial use 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).

8.	AMC EWS Housing project.	F.P.No.380, T.P.S.No.50, Bodakdev, Ahmedabad.	Screening & scoping / appraisal

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/51321/2016]
2.	Type of Project	Residential project with essential shops
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	EWS Affordable housing project by Ahmedabad Municipal Corporation.
5.	Name of Developer	Ahmedabad Municipal Corporation. Architect: Dipan R. Appa.
6.	Estimated Project Cost (Rs. In Crores)	Rs .42 Crores
7.	Whether construction work has been initiated at site? If yes,	No

<table>
<tr><td></td><td>details thereof</td><td></td></tr>
<tr><td>8.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 14,263.0
• FSI area Used (m^2):26,121.02
• Total BUA (m^2):34,862.44

<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area, m^2</td><td>38,510.10</td><td>26,121.02</td></tr><tr><td>Ground Coverage, m^2</td><td>-</td><td>4,857.81</td></tr><tr><td>Common Plot Area, m^2</td><td>1,426.3</td><td>1,435.38</td></tr><tr><td>Max. building height, m</td><td>-</td><td>26.95</td></tr></table></td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings:10
• No. of Blocks:15
• Scope of buildings/blocks: Ground floor (H.P. & S.P) + 6 floors.
• No.of Residential Units:790
• No. of Commercial Units:8
• Details of amenities if any: Anganvadi</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>790units x 6 person = 4740
8unit x 3 person = 24</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day):46.1
• Source of water: water supply from AMC.
• Waste water generation quantity (KL/day):5.0
• Mode of disposal: Into drainage line of AMC.
• Details of reuse of water, if any: No</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Fresh water requirement (KL/day):650.0
• Source of water: Water supply from AMC.
• Waste water generation quantity (KL/day):513.0
• Mode of disposal: Disposal into the drainage line of AMC.</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply & drainage lines are available in the area.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:<table><tr><td></td><td>Generation (kg/day)</td><td>Quantity to be reused (kg/day)</td><td>Mode of Disposal / Reuse</td></tr><tr><td>Top Soil</td><td>28.0</td><td>100 % reuse for green belt development</td><td rowspan="4">Remaining will be send to the nearest collection point of AMC

Will be sold to recycler / vendors.</td></tr><tr><td>Other excavated earth</td><td>85.0</td><td>80 % reuse for back filling</td></tr><tr><td>Construction debris</td><td>140.0</td><td>30% reuse for internal road sub base & plinth filling.</td></tr><tr><td>Steel scrap</td><td>10.0</td><td>100% reuse</td></tr></table></td></tr>
</table>

		Discarded packing materials | 3.50 | - | Total solid waste (95 workers x 500 gm/person/day) 47.5 kg/day 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. | 1200 | 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. Wet waste -Waste vegetable and food • Details of segregation if to be done: collection of organic and inorganic waste will be in different buckets and it will be subsequently collected by AMC • Capacity and no. of community bins to be placed within premises:No of Bins: 74 Res. + 3 Com.; Volume of Bins: 80 Lit each • Landfill site where waste will be ultimately disposed by local authority:
15.	Parking Details	• Total parking area requirement for the project as per GDCR: 2,934.54 m^2 • Parking area requirement for residential units as per GDCR: 2,856.04 m^2 • Parking area requirement for Commercial units as per GDCR: 78.5 m^2 • Total number of CPS requirement for the project as per NBC :397 • Number of CPS requirement for residential units as per NBC: 395 • Number of CPS requirement for commercial units as per NBC:2 • Total Parking area provided (m^2) & No. of CPS: 3,276.42 m^2 & 126 CPS • Parking area provided in hollow plinth (m^2) & No. of CPS: 2,127.42 m^2 & 76 CPS • Parking area provided as open surface (m^2) & No. of CPS: 1,149.0 & 50 CPS.
16.	Traffic Management	• Width of adjacent public roads:18.0 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:7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation):3 m • Width of all internal roads: 7.5 m & 6 m.

<table>
<tr><td>17.</td><td>Details of Green Building measures proposed.</td><td>Use of transformers and motors having minimum efficiency of 85%, use of CFL or solar light in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement, tree plantation, rain water harvesting through ground water recharge etc.</td></tr>
<tr><td>18.</td><td>Energy Requirement, Source and Conservation</td><td>• Power supply:
• Maximum demand:1200 KW
• Connected load:1200 KW
• Source: Torrent Power Limited.
• Energy saving measures: Use of transformers and motors having minimum efficiency of 85%, use of CFL or solar light in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement etc.
• DG Sets: Not proposed.</td></tr>
<tr><td>19.</td><td>Fire and Life Safety Measures</td><td>Underground fire water tank of 100 KL, overhead water tank of 20 KL on each block, fire extinguishers in each block etc.</td></tr>
<tr><td>20.</td><td colspan="2">Details on staircase
<table>
<tr><th>Type & no. of blds.</th><th>No. of floors</th><th>Floor area (m^2)</th><th>No. of staircase</th><th>No. of Lift</th><th>Width of the staircase (m)</th><th>Travel distance (m)</th></tr>
<tr><td>A, F, N & O</td><td>HP + 6</td><td>234.32</td><td>1</td><td>2</td><td>1.2</td><td>8.95</td></tr>
<tr><td>B+C, D+E, H+I, J+K, L+M</td><td>HP + 6</td><td>475.90</td><td>2</td><td>4</td><td>1.2</td><td>8.95</td></tr>
<tr><td>G</td><td>HP + 6</td><td>291.25</td><td>1</td><td>2</td><td>1.2</td><td>8.95</td></tr>
</table></td></tr>
<tr><td>21.</td><td>Rain Water Harvesting (RWH)</td><td>• Level of the Ground water table:10 m below ground level
• No. & dimensions of RWH tank(s) :1no (2m x 2m x 2.5m)
• No. and depth of percolations wells :4 nos. of percolation wells & up to underground II and river (aquifer)
• Details on Pre-treatment facilities : No</td></tr>
<tr><td>22.</td><td>Green area details</td><td>• Tree covered area (m^2) :859.71
• Area covered by shrubs and bushes (m^2): included in lawn covered area.
• Lawn covered area (m^2):1,435.38
• Total Green Area (m^2): 2,295.09
• Green Area % of plot area:10 %
• No. of trees and species to be planted: 214 trees.</td></tr>
<tr><td>23.</td><td>Budgetary allocation for Environmental Management Plan
(Rs. in lacs)</td><td>Budget allocation of Rs. 11.0 lacs for waste management, water conservation, green belt development, rain water harvesting etc.</td></tr>
<tr><td>24.</td><td>Proposed dust control measures during the</td><td>Covering the material with tarpaulin during storage & transportation, water sprinkling etc.</td></tr>
</table>

	construction phase	
25.	Eco friendly building material usage details.	Use of Ready Mix Concrete (RMC), lead free paints etc.
26.	Details of basic amenities to be provided to construction workers.	Sanitation & drinking water, first aid facilities etc.
27.	Documents related to land possession.	As per order of Town Planning department the land has been allocated for EWS housing.

During the meeting, it was presented that all the residential units are of 1 BHK. The committee was of the view that parking area provision as per NBC norms should not be insisted upon in such project housing all the units for people from Low Income Group. After discussing various aspects of the project, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmetal Clearance.

9.	Shantivan Residency	New R.S.No.-203+204 (Old R.S.No.261+281), O.P.No.-20+40,F.P.No.-20+40,T.P.S.No. 54(Bhestan), Village-Bhestan, Surat.	Screening & scoping / appraisal

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

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/51369/2015]
2.	Type of Project	Residential
3.	Project / Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Shantivan Residency
5.	Name of Developer	Jasmatbhai N. Vidiya
6.	Estimated Project Cost (Rs. In Crores)	Rs. 67.0 Crore
7.	Whether construction work has been initiated at site? If yes, details thereof	No
8.	Project	• Land / Plot Area (m^2): 28,770.0

<table>
<tr><td></td><td>Details</td><td>• FSI area (m^2): 28,862.40
• Total BUA (m^2) : 37,485.0

<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area (m^2)</td><td>30,223.20</td><td>28,862.40</td></tr><tr><td>Ground Coverage (m^2)</td><td>---</td><td>11,739.00</td></tr><tr><td>Common Plot Area (m^2)</td><td>2,877.00</td><td>4,073.00</td></tr><tr><td>Max. building height (m)</td><td>--</td><td>9.45</td></tr></table></td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings: --
• No. of Blocks: 420 Nos. of Row houses
• Scope of buildings/blocks: Residential row houses
• No. & size of Residential Units: 420
• No. & type of Commercial Units: --
• Details of amenities if any: --</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>Expected residents: 1680
Expected shop users: --
Expected visitors: 400</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day): 14.50
• Source of water: Bore well water
• Waste water generation quantity (KL/day): 2.16
• Mode of disposal: Into septic tank & soak pit
• Details of reuse of water, if any: W/W generated from washing of equipment will be reused for curing after necessary treatment.</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Fresh water requirement (KL/day): 306.0
• Source of water: Water supply from Surat Municipal Corporation (S.M.C)
• Waste water generation quantity (KL/day): 232.0
• Mode of disposal: U/G drainage line of S.M.C
•</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>The project is a part of Town Planning Scheme of SMC. Water supply & drainage line of SMC will be available to the project during the operation phase of the project.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:<table><tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr><tr><td>Top Soil</td><td>2,036.50</td><td>2,036.50</td><td>Reuse for developing garden area</td></tr><tr><td>Other excavated earth</td><td>12,946.50</td><td>--</td><td>Send to other project site in consultation with SMC.</td></tr><tr><td>Construction debris</td><td>394</td><td>187</td><td>Reused as a filler up to plinth level and remaining will be reused for outer road development</td></tr><tr><td>Steel scrap</td><td>15</td><td>--</td><td>Sold to local scrap vendors</td></tr><tr><td>Discarded packing</td><td>09</td><td>--</td><td>Sold to local vendors</td></tr></table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>
<table>
<tr><td>materials</td><td></td><td></td><td></td></tr>
</table>

Operation Phase:
<table>
<tr><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Dry waste</td><td>756.00</td><td>Blue colour bucket</td><td>Through door to door waste collection system of SMC.</td></tr>
<tr><td>Wet waste</td><td>504.00</td><td>Green colour bucket</td><td>Through door to door waste collection system of SMC.</td></tr>
</table>
• Details of segregation if to be done: Separate bins will be provided to collect dry and wet waste.
• Capacity and no. of community bins to be placed within premises: Separate bins having storage capacity 1.0 m3
• Landfill site where waste will be ultimately disposed by local authority: Khajod Landfill site of SMC</td></tr>
<tr><td>15.</td><td>Parking Details</td><td>• Total parking area requirement for the project as per GDCR: 4,329.50 m^2
• Parking area requirement for residential units as per GDCR: 4,329.50 m^2
• Total number of CPS requirement for the project as per NBC : 210
• Number of CPS requirement for residential units as per NBC: 210
• Total Parking area provided (m^2) & No. of CPS: 10,141.0 m^2 & 396 CPS
• Individual row house will be provided with parking space of 3.72 m x 3.80 m at ground floor
• Parking area provided as open surface (m^2) & No. of CPS: 4,201.0 m^2 & 183 CPS
• Parking area provided (at any other place-specify) (m^2) & No. of CPS: --</td></tr>
<tr><td>16.</td><td>Traffic Management</td><td>• Width of adjacent public roads: 18.0 m wide road in E direction.
• Number of Entry & Exit provided on approach road/s: 2 gates will be provided.
• Width of Entry & Exit provided on approach road/s: 7.50 m
• Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m
• Width of all internal roads: 7.50 m & 6.0.</td></tr>
<tr><td>17.</td><td>Details of Green Building measures proposed.</td><td>Use of fly ash based material, flush tank instead of direct flushing in toilets, foam type aerated coke, rain water harvesting, use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light etc.</td></tr>
<tr><td>18.</td><td>Energy Requirement, Source and Conservation</td><td><u>Power supply</u>
Maximum demand: 1500 KVA
Source: D.G.V.C.L
• Energy saving measures: Use of LED lights for common areas, solar lights for landscape lighting, reflective/ white tiles in common areas, maximum use of natural light, solar water heaters on terrace of each building etc.
• DG Sets: Not proposed.</td></tr>
<tr><td>19.</td><td>Fire and Life Safety Measures</td><td>---</td></tr>
<tr><td>20.</td><td>Details on</td><td>Individual row house will be provided with one staircase.</td></tr>
</table>

	staircase	
21.	Rain Water Harvesting (RWH)	• Level of the Ground water table – 23.0 m • No. & dimensions of RWH tank(s) : 15 no. of RWH tanks; size: 4 m x 3 m x 3 m size of Bore: 350 mm dia. size of pipe: 150 mm dia. • No. and depth of percolations wells: 15 nos. of percolating wells. • Details on Pre-treatment facilities: A de-silting chamber will be provided to de-silt and remove floating material through bar screen.
22.	Green area details	• Tree covered area (m^2) : 2,131.0 • Area covered by shrubs and bushes (m^2): -- • Lawn covered area (m^2): 1,942.0 • Total Green Area (m^2): 4,073.0 • Green Area % of plot area: 14.16 % • No. of trees and species to be planted: 355 trees of Gulmohar, Neem tree, Coconut palm, Asopalav, Champa etc.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Capital cost of Rs. 17.80 lacs and recurring cost of Rs. 2.90 lacs has been allocated towards purposes like rain water harvesting & ground water recharge, greenbelt development, environment monitoring & management, waste management etc.
24.	Proposed dust control measures.	Water sprinkling, covered shed for cement unloading activity, tarpaulin cover on excavated earth & construction material etc.
25.	Use of Eco – friendly building materials.	Use of fly ash bricks & aerated blocks for water partition, paving blocks for parking areas & walk ways, Portland Pozzolona Cement for RCC structure, plaster & flooring etc.
26.	Details on amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.
27.	Documents related to land possession.	Village form no. 7 & 12 for F.P.No. 20 shows that the N.A land for residential use is in the name of applicant Mr. Jasmatbhai N. VIdiya. Village form no. 7 & 12 for F.P.No.40 is in the name of Mr. Arvindkumar Chhabildas, who have given power of attorney to the applicant.

During the meeting, it was presented that they have provided parking space & storage room only at the ground floor of each row house in order to accommodate car parking within premises of each row house. The project proponent was suggested to widen the internal roads for better traffic management. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

10.	Expansion of the existing Civil hospital and construction of the proposed medical college	Survey/block no. 286/paikee – 2, Ta & Dist: Valsad.	Screening & scoping

The project proponent vide proposal no. SIA/GJ/NCP/10612/2016 dated 08/03/2016 submitted an application for obtaining environmental clearance for the expansion of the existing Civil hospital and construction of the proposed medical college. Built up area of the project after the proposed expansion will be 2,04,943.26 m^2 (existing 19,132.22 m^2 + proposed 1,85,809.04 m^2). Land area of the proposed project is 1,36,770.0 m^2. As the built up area of the project after the proposed expansion is >1,50,000 m^2, it falls in the project / activity no. 8(b) as per the schedule annexed with the EIA Notification 2006.

Presentation made before the committee included the details like location of the project site, scope of the project, water & waste water details, power requirement, MSW generation & management, parking area provision, proposed safety measures, details of green belt development, rain water harvesting & ground water recharge etc.

After detailed discussion, the project proponent was asked to prepare EIA report incorporating the following additional Terms of Reference and to carry out the EIA study covering 5 Km radial distance from the project boundary.

1. Justification for the proposed expansion of the project along with the supporting documents.
2. Project plans passed for the existing building of the hospital, copy of rajachithhi & B.U permission obtained for the existing hospital building should be submitted.
3. Notarized undertaking stating that the construction activity for the proposed expansion will be carried out only after obtaining prior Environmental Clearance from SEIAA Gujarat.
4. A single layout plan showing location of buildings, roads, D.G.sets, STP, parking provision, green belt (tree covered area), common plot, location of percolation wells etc. with different colour codes.
5. Provision of separate entry & exit and adequate margin all round the periphery for easy unobstructed movement of fire tender without reversing.
6. Implementation schedule of the project along with the bar chart.
7. A map of the study area delineating the major topographical features such as land use, drainage, locations of habitats, environmental sensitive areas, major constructions including roads, railways, pipelines, industries if any in the area are to be mentioned.
8. Land use map of the study area based on high resolution satellite imagery delineating the forest, agricultural land, water bodies, settlements, and other cultural features. Details of change / creation in land use / land cover due to the proposed project.
9. Details of site topography along with the contour plan of the project area. Details of change in topography of the area due to the project.
10. Scope of all the buildings to come up in the project. Height of the buildings to come up in the project. Break up of FSI, built up area plot wise, block & building wise plan & area statement.
11. Details about no. of beds in the hospital, fixed population, expected occupancy as well as floating population including visitors considered for the proposed project.
12. Source of water supply during the construction phase along with the expected quantity of the water requirement. Waste water disposal plan during the construction phase.
13. Detailed fresh water consumption based on activity and area of the project as per the NBC norms. Exact source of water supply during operation phase. Permission from the concerned authority for water supply.
14. Domestic waste water disposal plan during operation phase and permission of concerned

authority for sewage disposal.

15. Details of the STP with size of each unit, its location on the plan and its adequacy. Measures proposed to prevent odour nuisance due to the STP operation. Provision of dual plumbing, if any, for reuse of treated sewage for purposes like flushing, cooling tower make up etc.
16. Details of water conservation measures including provision of low water consuming devices.
17. Application wise break up of treated sewage utilization. Adequacy of open land area available for utilizing treated sewage for plantation / gardening. Suitability of use of treated sewage on the land with respect to the soil characteristic etc. shall be studied and a report in this regard shall be submitted.
18. Details of storm water management. Detailed plan to manage treated sewage in monsoon season. How it will be ensured that treated sewage won't flow outside the premises linked with storm water during high rainy days.
19. Details of soil excavation / filling required for the project along with its quantification based on backup calculations. Details with respect to proposed use / disposal of excavated soil. Plan for management, use and disposal of construction debris including excavated materials during the construction phase.
20. Details of top soil management plan during construction phase. If the topsoil is proposed to be preserved, the details relating to the quantity of topsoil stored, demarcated area on plan where it is stored along with preservation plan is to be given.
21. Engineering controls proposed for dust control including barricading the site during the construction period.
22. Details on impacts of air emission from the vehicles during the construction and operation phases, emission during loading, unloading, transportation and storage of construction materials etc. and mitigation measures thereof should be incorporated in the EIA report.
23. Details of the D.G. sets including fuel, quantity, stack height, location as well as the acoustic measures proposed to abate noise pollution.
24. Map of the study area clearly delineating the location of monitoring stations for air, water, soil and noise, superimposed with location of habitats are to be shown. Primary data shall be collected for one season except rainy season.
25. Details of base line ambient air quality monitoring data of one season other than monsoon for at least five locations in 5 km study area and impact analysis due to the proposed project. Parameters namely PM_{10}, $PM_{2.5}$, NO_2, SO_x and CO shall be considered. Air quality modeling shall be carried out for prediction of impact of the project on the air quality of the area. The details of the model used and the input parameters used for modeling shall be provided. The air quality contours shall be shown on the location map clearly indicating the location of site, location of sensitive receptors, if any, and habitation. Latest available IMD data shall be utilized.
26. Details of incremental pollution load on the ambient air quality, noise and water quality due to the project.
27. Plan to curb noise likely to be generated from the use of construction equipments like mixers, vibrators etc. Impact of project construction/operation on the noise on account of construction equipment, construction/demolition activities and road traffic is to be studied.
28. Details with respect to the quantity of the generation of the garbage / Municipal Solid waste(biodegradable & recyclable waste), electronic waste and mode of its treatment and

disposal. Details of composting facility, if any proposed for composting of bio-degradable waste.

29. Details with respect to category wise generation of the bio-medical waste along with basis / norms considered for quantification.
30. Comprehensive plan for segregation and collection of wastes in different colour coded containers, safe handling, treatment, storage segregation, treatment and disposal of bio-medical waste along with details of facilities to be provided for the same. Standard operating procedures for handling of bio-medical wastes.
31. Provisions to conduct training program followed by refresher trainings at regular intervals for hospital staff for segregation, treatment and disposal of bio-medical wastes etc.
32. Details of authorized municipal solid waste facilities, biomedical waste treatment facilities and hazardous waste disposal facilities in the area should be included. Copy of permission obtained from concerned authority/ies should be submitted. Management and disposal of temporary structures, made during construction phase are to be addressed.
33. Membership of common biomedical waste treatment and disposal facility, if any obtained.
34. Detailed parking plan showing accommodation of two wheelers and four wheelers, its adequacy for the project and norms adopted for the calculations. The details shall include the parking requirement on the basis of footfalls, as per present GDCR and National Building Code (NBC) guidelines for each individual component of the project. The backup calculations showing the bifurcation of the built up area according to the activity vis-à-vis parking area required shall be furnished. Mark the area of parking on the drawing showing the parking. Also details of visitors parking, whether considered in total parking calculations / provisions or not.
35. Base line status of the existing traffic, impact on it due to the project activities (prior to construction, during construction and at full site operation), carrying capacity of the existing roads and details of traffic management in and outside the project during construction and operation phase of the project.
36. Base line ecological status. In case of any scheduled fauna, conservation plan should be provided.
37. Details of existing trees to be protected / preserved / transplanted / removed. Detailed green belt development plan as per the CPCB guidelines, 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.
38. Details of use of eco-friendly building material including fly ash bricks, fly ash paving blocks, RMC, lead free paints, use of PPC in concrete etc.
39. 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.
40. Details of Green Building Concept to be adopted for the project.
41. 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. Measures proposed to comply with the ECBC norms for energy conservation.
42. Scheme for 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.

43. Details of seismic zone of the project and design aspects required to be adhered to as per national standards for buildings to make it earthquake proof.
44. 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.
45. Details of safety measures proposed for the construction workers including provision of personal protection equipment. Details of registration and provisions to be made by the project proponent to follow Building and other Construction Workers Acts and Rules and undertaking for the same.
46. Plan showing emergency exits as well as location of stair cases, lifts and pathways etc. and compliance to the GDCR and NBC in this regard.
47. 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.
48. Details of first aid / fire fighting and other emergency services to be provided during construction phase and operation phase including the training to be provided to the residential staff of the project as first aid providers, fire fighters etc.
49. Historical data on climate conditions such as wind pattern, history of cyclones, storm surges, earth quake, flood etc., are to be given.
50. Details of disaster management plan during operation phase of the project should also include scenario of natural catastrophe like earth quake, cyclone and floods in addition to other disasters. The plan should include the details of (i) Emergency lighting plan (ii) details of power back up system in the case of emergency (iii) fire fighting arrangements (iv) first aid arrangement (v) Training and Mock drill (vi) Emergency announcement system (vii) Signages (viii) location of emergency stair cases and pathways etc.
51. 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. Details of monitoring / supervision cell to monitor environmental aspects during construction phase as well as operation phase including provision of qualified construction safety officer.
52. Certificate of accreditation issued by the NABET, QCI to the environmental consultant should be incorporated in the EIA Report.
53. An undertaking by the Project Proponent on the ownership of the EIA report as per the OM of MoEF&CC dated 05/10/2011 and an undertaking by the Consultant regarding the prescribed TORs have been complied with and the data submitted is factually correct as per the OM of MoEF&CC dated 04/08/2009.
54. A tabular chart with index for point-wise compliance of above TORs.

The above mentioned TORs shall be considered 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 as well as the generic Terms of Reference mentioned in the EIA Guidance Manual for "Building Construction, Townships & Area Development Projects" prepared by MoEFCC. The project shall be appraised on receipt of the EIA report.

11.	Building construction project by M/s Avirat Homes	S.No. 443A/1, 444, 445, F.P.No. 41/2,44,45, T.P.S.No. 204, Ambli, Ahmedabad	Screening & scoping / appraisal

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

Sr. No.	Particulars	Details
1.	Proposal is for	New project [SIA/GJ/NCP/51482/2015]
2.	Type of Project	Residential & Commercial
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	Residential & Commercial
5.	Name of Developer	M/s Avirat Homes
6.	Estimated Project Cost (Rs. In Crores)	55 Crores
7.	Whether construction work has been initiated at site? If yes, details thereof	No
8.	Project Details	• Land / Plot Area (m^2): 5,705 • FSI area (m^2):15,373.84 • Total BUA (m^2):24,542.12
9.	Building Details	• No. of Buildings:4 • No. of Blocks:4 • Scope of buildings/blocks: 2 buildings – basement + ground floor (parking & shops) + 12 floors. 2 buildings – basement + hollow plinth +12 floors. • No.& size of Residential Units: 176 Flats- 3BHK (Size 79.75 m^2) • No. & type of Commercial Units: 22 shops • Details of amenities if any: One Society Office
10.	No. of expected residents / users	836 occupants and 200 visitors

	Permissible	Proposed
FSI Area	15,403.5	15,373.84
Ground Coverage	NA	2,171.72
Common Plot Area	570.5	571
Max. building height	NA	45

<table>
<tr><td>11.</td><td>Water & waste water details during construction phase</td><td>• Water requirement (KL/day): 21.75
• Source of water: Local water tankers
• Waste water generation quantity (KL/day): 5.73
• Mode of disposal: Into septic tank & soak pit system.
• Details of reuse of water, if any: No</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Fresh water requirement (KL/day): 114.46
• Source of water: Water supply from Ahmedabad Municipal Corporation.
• Waste water generation quantity (KL/day): 89.51
• Mode of disposal: Into drainage line of AMC.</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply & drainage network are existing in the area.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:
<table>
<tr><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Top Soil</td><td>1,500</td><td>1,500</td><td>Development of landscape area</td></tr>
<tr><td>Other excavated earth</td><td>13,500</td><td>7,500 m^3 will be used for back filling and raising plinth level.</td><td>Balance earth will be used at other projects as per requirement.</td></tr>
<tr><td>Construction debris</td><td>240</td><td>170 m^3 will be used for development of internal road.</td><td>Balance debris will be handed over to local authority or fill in low laying areas</td></tr>
<tr><td>Steel scrap</td><td>12</td><td>0</td><td>Sold to vendors</td></tr>
<tr><td>Discarded packing materials</td><td>8</td><td>0</td><td>Sold to vendors</td></tr>
</table>
Operation Phase:
<table>
<tr><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Dry waste</td><td>201.6</td><td>White bins</td><td>Sold to vendors</td></tr>
<tr><td>Wet waste</td><td>302.4</td><td>Green Bins</td><td>Municipal bins</td></tr>
</table>
• Details of segregation if to be done: yes
• Capacity and no. of community bins to be placed within premises: 15 kg and 10 number of community bins to be placed in common area
• Landfill site where waste will be ultimately disposed by local authority: at the nearby municipal solid waste collection point of AMC.</td></tr>
<tr><td>15.</td><td>Parking Details</td><td>• Total parking area requirement for the project as per GDCR: 3,560.15 m^2
• Parking area requirement for residential units as per GDCR: 2,751.17m^2
• Parking area requirement for Commercial units as per GDCR: 808.98 m^2
• Total number of CPS requirement for the project as per NBC :121
• Number of CPS requirement for residential units as per NBC: 88
• Number of CPS requirement for commercial units as per NBC:33</td></tr>
</table>

<table>
<tr><td></td><td></td><td>• Total Parking area provided (m^2) & No. of CPS: 6,180.06 m^2 & 208 CPS
• Parking area provided in basement (m^2) & No. of CPS:4,212 m^2 & 131 CPS
• Parking area provided in hollow plinth (m^2) & No. of CPS:1,018.60 & 36 CPS
• Parking area provided as open surface (m^2) & No. of CPS:950 & 41 CPS</td></tr>
<tr><td>16.</td><td>Traffic Management</td><td>• Width of adjacent public roads: 9 m wide service road of 60 m S.P. Ring Road and 12 m wide road
• Number of Entry & Exit provided on approach road/s: Three gates 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): 4.5 m
• Width of all internal roads: minimum 7.5 , 6 and 4.5 m.</td></tr>
<tr><td>17.</td><td>Details of Green Building measures proposed.</td><td>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- 10 numbers of solar lighting, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 2 nos. of percolating wells etc.</td></tr>
<tr><td>18.</td><td>Energy Requirement, Source and Conservation</td><td>• Power supply:
Maximum demand: 1500 KVA
Connected load: 1750 KVA
Source: UGVCL
• % of saving with calculations: ~40% by use of LED lights, 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 40 KVA
Fuel & its quantity: HSD, 10 litre/hr</td></tr>
<tr><td>19.</td><td>Fire and Life Safety Measures</td><td>• 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, wet riser, automatic sprinkler system in basement, underground static water storage tank-200 KL capacity, terrace tank -40 KL capacity (total capacity), 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 pump of capacity 180 lit/min etc.</td></tr>
<tr><td>20.</td><td colspan="2">Details on staircase
<table>
<tr><th>Type & no. of buildings</th><th>No. of floors</th><th>Floor area m^2</th><th>No. of staircase</th><th>Width of the staircase (m)</th><th>Travel distance (m)</th></tr>
<tr><td>A</td><td>G/HP +</td><td>384.85</td><td>1</td><td>2.0</td><td>21</td></tr>
</table></td></tr>
</table>

			12				
		B	G/HP + 12	384.85	1	2.0	21
		C	HP + 12	384.85	1	2.0	21
		D	HP + 12	384.85	1	2.0	21

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. • Details on Pre-treatment facilities : oil and grease removal and filter
22.	Green area details	• Tree covered area (m^2) :150 • Area covered by shrubs and bushes (m^2):100 • Lawn covered area (m^2):321 • Total Green Area (m^2):571 • Green Area % of plot area: 10% • No. of trees and species to be planted: 86 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, DesiBadam and Gulmohar.
23.	Dust control measures	Spraying of water, peripheral barricading, covered shed for cement loading area, covering the excavated earth with tarpaulin sheet etc.
24.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs.18.0 lacs & Rs.10 lacs as capital cost & recurring cost respectively has been made for EMP & EMS.
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.	Details of amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, PPEs, first aid room with first aid kit & welfare facilities as per the Gujarat Building & Other Construction Workers Rules.
27.	Documents related to land possession	Copy of village form no. 7 & 12 for survey numbers 444 & 445 submitted by them shows that the N.A land for residential use is in the name of M/s Avirat Homes through its partners.

During the meeting, after detailed deliberation on various aspects of the project, it was decided to consider the project only after submission of the following:

1. Full size project plans showing floor wise & building wise built up area, FSI area, floor area details, plot area statement etc.
2. Documents showing ownership of the land of survey number 443A/1 by the applicant / project proponent.

12.	Building construction project by Mr. Prafulchandra C. Mistry	R.S.No. 3 & 4, At Dahej, Tal-Vagara, Dist- Bharuch	Screening & scoping / appraisal

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

<table>
<tr><th>Sr. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td>1.</td><td>Proposal is for</td><td>New Project [SIA/GJ/NCP/51206/2015]</td></tr>
<tr><td>2.</td><td>Type of Project</td><td>Residential / Commercial</td></tr>
<tr><td>3.</td><td>Project / Activity No. [8(a) or 8(b)]</td><td>8(a) `</td></tr>
<tr><td>4.</td><td>Name of the project</td><td>Residential & commercial building construction project.</td></tr>
<tr><td>5.</td><td>Name of Developer</td><td>Mr. Prafulchandra C. Mistry</td></tr>
<tr><td>6.</td><td>Estimated Project Cost (Rs. In Crores)</td><td>30 Crore</td></tr>
<tr><td>7.</td><td>Whether construction work has been initiated at site? If yes, details thereof</td><td>No.</td></tr>
<tr><td>8.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 17,503.0
• FSI area (m^2): 20,413.29
• Total BUA (m^2): 35,267.67
<table>
<tr><th></th><th>Permissible</th><th>Proposed</th></tr>
<tr><td>FSI Area (m^2)</td><td>20,476.73</td><td>20,413.29</td></tr>
<tr><td>Ground Coverage (m^2)</td><td>5,119.18</td><td>4,590.73</td></tr>
<tr><td>Common Plot Area (m^2)</td><td>1,137.59</td><td>1,219.19</td></tr>
<tr><td>Max. building height (m)</td><td>--</td><td>15.00 m</td></tr>
</table></td></tr>
<tr><td>9.</td><td>Building Details</td><td>• No. of Buildings: 13 Nos.
• No. of Blocks: 16 Nos.
• Scope of buildings/blocks: Basement + hollow plinth + 5 floors.
• No. & size of Residential Units: 386 Nos. (27 –HK,283- 1BHK & 2 BHK -76)
• No. & type of Commercial Units: 32 Shops
• Details of amenities if any: 1 Hall</td></tr>
<tr><td>10.</td><td>No. of expected residents / users</td><td>1737 nos. residential users</td></tr>
<tr><td>11.</td><td>Water & waste water details during construction</td><td>• Water requirement (KL/day): 15.95
• Source of water: Water tankers.
• Waste water generation quantity (KL/day): 1.15
• Mode of disposal: Disposed through onsite septic tank and soak pit</td></tr>
</table>

<table>
<tr><td></td><td>phase</td><td>• Details of reuse of water, if any: washing water of construction equipments will be reused for curing</td></tr>
<tr><td>12.</td><td>Water & waste water details during operation phase</td><td>• Total water requirement (KL/day): 347.0
• Fresh water requirement (KL/day): 146.0
• Source of water: GPCPSIRDA
• Waste water generation quantity (KL/day): 202.0
• Mode of disposal: Sewage to be generated from the Commercial & Residential units will be treated in the proposed onsite STP and reused for toilet flushing, gardening and Irrigation purpose.
• In case of STP provision, capacity of STP: 250 KL/day
• STP Technology: ASP type
• Purposes for treated sewage utilization: Toilet flushing and gardening
• Quantity of treated sewage to be reused: 1.Gardening (KL/day): 95 2.Toilet Flushing(KL/day):97
• Provision of dual plumbing system (Yes/No): Yes
• Quantity and type (treated/untreated)of water to be discharged:
• Mode of disposal: Sewage to be generated from the Commercial & Residential units will be treated in the proposed onsite STP and will be completely reused for toilet flushing, gardening and Irrigation purpose.</td></tr>
<tr><td>13.</td><td>Status of water supply and drainage line</td><td>Water supply from GPCPSIRDA will be used and sewage to be generated will be treated into STP.</td></tr>
<tr><td>14.</td><td>Solid waste Management</td><td>Construction Phase:
<table>
<tr><th></th><th>Generation (m^3)</th><th>Quantity to be reused (m^3)</th><th>Mode of Disposal / Reuse</th></tr>
<tr><td>Top Soil</td><td>20,653</td><td>20,653</td><td rowspan="3">Excavated surplus earth and construction debris will be refilled at low lying areas within the project premises. Top soils to be generated will be used for greenbelt development.</td></tr>
<tr><td>Other excavated earth</td></tr>
<tr><td>Constructio n debris</td><td>48</td><td>48</td></tr>
<tr><td>Steel scrap</td><td>5.6 MT</td><td>5.04 MT</td><td>Disposal to recycler</td></tr>
<tr><td>Discarded packing materials</td><td>1 MT</td><td>--</td><td>Disposal to recycler</td></tr>
</table>
Operation Phase:</td></tr>
</table>

<table>
<tr>
<td></td>
<td></td>
<td>
<table>
<tr><th>Type of waste</th><th>Generation Quantity (Kg/day)</th><th>Mode of waste collection</th><th>Mode of Disposal / Reuse</th></tr>
<tr><td>Dry waste
Wet waste</td><td>1080 Kg</td><td>Municipal solid waste to be generated will be collected in the bins to be provided to each unit.</td><td>As below.</td></tr>
<tr><td>STP Sludge</td><td>200 Kg</td><td>--</td><td>Reused as manure in gardening and irrigation</td></tr>
</table>

Details of segregation if to be done: The solid wastes generated will be segregated into biodegradable and non-biodegradable wastes and collected in separate bins. The non-biodegradable wastes will be sold to recyclers and the biodegradable wastes will be collected and disposed through composting process.
Capacity and no. of community bins to be placed within premises: 140 liter each; 15 nos. of bins;
Disposal: The non-biodegradable wastes will be sold to recyclers and the biodegradable wastes will be collected and disposed through composting process.
Landfill site where waste will be ultimately disposed by local authority:--

</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>Parking Details</td>
<td>

Total parking area requirement for the project as per GDCR: 3,212.51 m^2
Parking area requirement for residential units as per GDCR: 2,911.46 m^2
Parking area requirement for Commercial units as per GDCR: 301.05 m2
Total number of CPS requirement for the project as per NBC: 213 CPS
Number of CPS requirement for residential units as per NBC: 193 CPS
Number of CPS requirement for commercial units as per NBC: 20 CPS
Total Parking area provided (m^2) & No. of ECS: 12,711.87 m^2, 425 CPS
Parking area provided in basement (m^2) & No. of ECS: 7,963.89 m^2, 249 CPS
Parking area provided in hollow plinth (m^2) & No. of ECS: 3,863.41 m^2, 138 CPS
Parking area provided as open surface (m^2) & No. of ECS: 884.57 m^2, 38 CPS

</td>
<td></td>
</tr>
</table>

16.	Traffic Management	• Width of adjacent public roads: 20 m & 12 m wide road • Number of Entry & Exit provided on approach road/s: 2 nos. • Width of Entry & Exit provided on approach road/s: 9.0 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 3 m • Width of all internal roads: 9.0 , 5.0 & 7.5 m
17.	Details of Green Building measures proposed.	Maximum utilization of natural light, CFL lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [Cement + Fly Ash + Air mixture] will be used to reduce heat stress inside building, rain water harvesting through ground water recharge etc.
18.	Energy Requirement, Source and Conservation	• Power supply Maximum demand: 1500 KW Connected load: -- Source: D.G.V.C.L • Energy saving measures: Maximum utilization of natural light, CFL lighting fixtures in the common areas, use of solar energy in external lighting (Landscape lighting), aerated block [Cement + Fly Ash + Air mixture] will be used to reduce heat stress inside building etc. • DG Sets No. and capacity of the DG sets 1 x 85 KVA Fuel & its quantity: Diesel & 8 lit/hr.
19.	Fire and Life Safety Measures	Fire extinguishers & hose reel will be provided.
20.	Details on staircase	

Name of Building	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase(m)	Travel distance (m)
A	Single	G + 5	343.26	01	1.52	<30
B ,D,E,G	Single	G + 5	292.61	01	1.52	<30
C,F,L	Single	G + 5	246.16	01	1.52	<30
H	Single	G + 5	290.26	01	1.52	<30
I	Joint	G + 5	491.05	02	1.52	<30
J	Joint	G + 5	373.96	02	1.52	<30
K	Joint	G + 5	396.88	02	1.52	<30
M	Single	G + 5	246.16	01	1.52	<30

21.	Rain Water	• Level of the Ground water table: 80-100 ft

<table>
<tr><td></td><td>Harvesting (RWH)</td><td>• No. & dimensions of RWH tank(s) : ---
• No. and depth of percolations wells : 4 nos.
• Details on Pre-treatment facilities : Gravity filter, MOC: PE</td></tr>
<tr><td>22.</td><td>Green area details</td><td>• Tree covered area (m^2) : 431.0
• Area covered by shrubs and bushes (m^2): inclusive in lawn covered area
• Lawn covered area (m^2): 615.63
• Total Green Area (m^2): 1,046.63
• Green Area % of plot area: 8.9 %
• No. of trees and species to be planted: 145 nos. of trees like Asopalav, Gulamhor, Palm, Ficus ,Badam etc.</td></tr>
<tr><td>23.</td><td>Budgetary allocation for Environmental Management Plan
(Rs. in lacs)</td><td>
<table>
<tr><th>Sr. No.</th><th>Description</th><th>Capital Cost (Rs. In Lacs)</th></tr>
<tr><td>1</td><td>Landscaping</td><td>7 Lacs</td></tr>
<tr><td>2</td><td>Groundwater Recharge Structure</td><td>7 Lacs</td></tr>
<tr><td>3</td><td>Solar Energy Utilization</td><td>5 lacs</td></tr>
<tr><td>4</td><td>Energy Efficient Lighting</td><td>2 lacs</td></tr>
<tr><td>5</td><td>Solid Waste Management</td><td>1 lacs</td></tr>
<tr><td>6</td><td>Monitoring of Air, Water, Noise & Soil</td><td>0.75 lacs</td></tr>
<tr><td colspan="2">Total</td><td>22.75 Lacs</td></tr>
</table>
</td></tr>
<tr><td>24.</td><td>Proposed dust control measures during the construction phase</td><td>Vertical curtails, water sprinkling, covering the building materials with the tarpaulin sheet etc.</td></tr>
<tr><td>25.</td><td>Eco friendly building material usage details.</td><td>Fly ash based bricks, Ready Mix Concrete, A.C.C Blocks will be used.</td></tr>
<tr><td>26.</td><td>Amenities for the construction workers.</td><td>Sanitation facility, drinking water & tap water, soak pit for domestic waste water collection, first aid box, free medicine, doctor service, PPEs etc.</td></tr>
<tr><td>27.</td><td>Documents related to land possession.</td><td>Copy of N.A orders submitted by them shows that the land for residential & commercial use is in the name of applicant Mr. Prafulchandra C. Mistry.</td></tr>
</table>

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

1. Complete management & disposal plan for treated sewage during the operation phase of the project along with the permission from the concerned competent authority for providing drainage connection. Availability of sufficient open land area for utilizing the treated sewage for gardening purpose within premises as proposed. Treated sewage management plan during high rainy days when utilization of treated sewage for gardening purpose is not possible.

2. Exact source of water supply during the operation phase of the project and permission from concerned competent authority for supplying water during the operation phase of the project.
3. Location of the proposed STP & composting facility on the layout plan, their operation & maintenance during the operation phase, budgetary provisions for the proposed STP & composting facility, details of the proposed composting facility etc. should also be submitted.

Industrial Projects

13. Ascent Pharma, S.no.163/9 & 11, S.I.D.C. Road, Shapar-Veraval Industrial Area, Village: Veraval (Shaper), Ta.: Kotda Sangani, Dist.: Rajkot	Appraisal

Project / Activity No.: 5(f)

Project status: Expansion

Chronology of EC Process:

- M/s: Ascent Pharma (herein after Project Proponent – PP) has submitted their application for this expansion project at MoEF vide letter dated 21/06/2013 as the project site is located outside the notified area.
- TOR issued by MoEF, New Delhi vide letter no. F.NO.J-11011/210/2013-IA.II (I) dated 07/11/2013.
- Public Hearing was conducted by GPCB on dated 15/10/2014.
- EIA Report prepared by M/s: Envisafe Environment Consultants, Ahmedabad was submitted by project proponent on 10/11/2014.
- MoEF&CC has transferred this case vide F.no. J-11011/108/2013-IA II (I) dated 23/02/2015 as per amendment to EIA Notification, 2006 vide SO 1599 (E) dated 25.06.2014, which was received by SEIAA on dated 09/03/2015. As per the amendment of EIA notification dated 25.06.2015, small units are categorized as Category “B” projects. Small units are defined as with water consumption less than 25 m3/day; Fuel consumption less than 25 TPD; and not covered in the category of MAH units as per the Management, Storage, Import of Hazardous Chemical Rules (MSIHC Rules), 1989.
- Project proponent did not remain present during the SEAC meeting dated 09/02/2015.
- The project proponent remained present during the SEAC meeting held on 29/04/2015.
- During the meeting, Committee noted that existing water consumption from the unit is already 20 KL/Day and as per the EIA report (pg. 2.42) proposed quantity of fresh water will be 8.81 KL/day. Total water consumption will be 28.81 KL/day, which is more than 25 KL/day. As per amendment of EIA dated 25.06.2014 if water consumption exceeds 25 KL/day, project should not be considered as “B” category project. PP informed that there is a typographical error in CC&A of the Board. Committee asked to submit the amended copy of CC&A and relevant documents showing realistic data of water consumption. It was unanimously decided to consider the project for appraisal only after submission of the copy of CC&A with corrected data and relevant documents showing realistic data for existing water consumption.
- PP has submitted copy of amended CCA vide letter dated 02/07/2015. As per the amendment in

CC&A, the quantity of the fresh water consumption for industrial purpose for existing activity is 1.7 KL/day. Now total water consumption after proposed expansion will be 11.5 KL/day.

- Project proponent was called for appraisal in the SEAC meeting held on 16/09/2015.
- The baseline environmental study was carried out in winter season for a period from December 2013 to February 2014 in a study area of 10 km radial distance from the project site. All the parameters are well within the NAAQS except PM10 at three locations. PM10 concentrations at project site, Ribda and Pipaliya Pal Village were found higher than the NAAQS. There is no explanation found in EIA report regarding the higher concentration of PM10. HCl concentration at project site was also well within the GPCB norms prescribed for industrial area. It was below detectable limit at other locations. VOC and NH3 concentration (as isobutylene) was below detectable limit (BDL) at all locations. The maximum 24-hourly average ground level concentration for pollutant due to proposed project calculated using mathematical model (ISCST3) for PM10, SO2, NOx and HCl is 0.9448 µg/m3, 3.2979 µg/m3, 3.2881 µg/m3 and 0.0055 µg/m3 respectively which is negligible even for the worst case scenario. The Naranka reserved forest is located at 4.9 km from the project site and PP has obtained NOC from the Forest department. Rampara Sanctuary is 42 km from the project site. Committee noted that the waste water will be utilised for gardening/ plantation after treatment. At this PP was asked to submit the details about suitability of the land with percolation rate and plan during monsoon season when utilization of treated effluent for gardening & plantation purpose is not feasible. Committee noted that treatability of the effluent, solvent recovery system and management of by-products are not properly addressed in the EIA report. Risk assessment has been discussed in detail. Committee noted that storage tanks of solvents are proposed. However, it is not considered in worst case scenario in risk assessment report and risk contours are not plotted on the plant lay out map and asked to resubmit the RA report. After detailed deliberations the Committee sought following additional information for further consideration of the proposal: (1) Reasons for higher concentration of PM10 at project site, Ribda and Pipaliya Pal Village in Baseline study of EIA report. (2) Characteristics of by products, feasibility of their actual use as raw material, management plan for By-products to be generated, along with the name and address of end consumers to whom the by-product/s will be sold. Copies of agreement / MoU / letter of intent from them, showing their willingness to purchase said by-product/s from the proposed project. (3) Copy of valid membership certificate for Common TSDF/CHWIF. (4) Complete details about the characteristics and treatability of the effluent with mode of disposal. A detailed treatability study vis-à-vis the adequacy and efficacy of the treatment facilities proposed for the wastewater to be generated. Give stage wise reduction in important parameters. (5) Submit the Soil analysis report of the proposed site. Soil analysis report of proposed project location at different places covering response level of contaminants including heavy metals. Ensure that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. (6) Treated effluent management plan during monsoon season when

utilization of treated effluent for gardening & plantation purpose is not feasible. Detailed study report considering Percolation rate of the land available for gardening & plantation. Ensure that land is suitable for utilization of treated sewage for plantation & gardening. (7) Name and quantity of each type of solvents to be used for proposed production. Details of solvent recovery system including mass balance, solvent loss, recovery efficiency feasibility of reusing the recovered solvents etc. for each type of solvent. Ensure that Solvent recovery shall not be less than 95 percent in any case. (8) Risk assessment including prediction of the worst-case scenario and maximum credible accident scenarios should be carried out. The worst-case scenario should take into account the maximum inventory of storage at site at any point of time. The risk contours should be plotted on the map clearly showing which of the facilities and surrounding units 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. (9) Records of any legal breach of Environmental laws i.e. details of show- cause notices, closure notices etc. served by the GPCB to the existing unit in last three years and actions taken then after for prevention of pollution. (10) An undertaking by the Project Proponent on the ownership of the EIA report as per the MoEF&CC OM dated 05/10/2011 and an undertaking by the Consultant regarding the prescribed TORs have been complied with and the data submitted is factually correct as per the MoEF&CC OM dated 04/08/2009. (11) Summary & Conclusion as per the generic structure given in Appendix III A of the EIA Notification 2006.

- The project proponent submitted the additional information vide their letter no. NIL dated 04/03/2016

Project / Activity Details:

This is an existing unit engaged in manufacturing of Synthetic Organic Chemicals proposes for expansion of the project as mentioned below:

Sr. no.	Name of Product	Existing Quantity MT/Month	Proposed MT/Month	Total after expansion MT/Month
1.	Potassium Nitrate	10	--	10
2.	Potassium Sulphate	10	--	10
3.	Magnesium Hydroxide	10	--	10
4.	Potassium Chloride	10	--	10
5.	Potassium Iodide	10	--	10
6	Oxyclozanide	--	25	25
7	Glibenclamide	--	20	20
8	1,2,4 Triazole	--	10	10
9	4-Amino -1,2,4 Triazole			
	By-products			
a.	Hydrochloric Acid (30%)	--	15.5	15.5
b.	Sodium Bi-Sulphite	--	26.0	26.0
c.	Phosphorous Acid Aq.	--	3.3	3.3

The project falls under Category B of project activity 5(f) as per the schedule of EIA Notification 2006.

Proposed expansion will be carried out within the existing plot with area 2292 sq. m. Existing green belt

area is 340 sq. m and now it will be increased up to 760 sq. m after proposed expansion. The unit has made capital investment of Rs. 48.57 lacs in the existing plant and the estimated cost for the proposed project will be about Rs. 36.50 lacs. Fresh water requirement for existing activity is 2.7 KL/day and it will be increased up to 11.51 KL/day after proposed expansion. Fresh water will be supplied by the Gram Panchayat, Veraval (Shapar) through Tankers. Presently there is no generation of industrial effluent from the manufacturing activities. After proposed expansion the industrial effluent will be treated in proposed ETP comprising of Primary, Secondary and Tertiary treatment plants. Treated waste water will be reused for gardening and plantation within the premises. Domestic waste water (1.6 KL/day) will be disposed off into septic tank/soak pit system. Consumption of fuel FO will be increased from 1.5 KL/Month to 3 KL/month for existing steam Boiler (0.8 TPH). No additional Boiler is proposed. At present there is no process gaseous emission. Now unit has proposed Water Scrubber followed by Alkali Scrubber for control of HCl & SO2 gas generated from the manufacturing of Oxyclozanide. Hazardous waste to be generated are Inorganic salt (52 MT/Annum), Distillation residue (14 MT/Annum), Spent Carbon (18 MT/Annum), Spent solvent (7400 MT/Annum, ETP waste (2 MT/Annum), Discarded containers (1000 no.s/Annum) & Used Oil (0.1 MT/Annum).

Observations/Discussions:

Technical presentation made by the project proponent during the meeting. PP submitted point wise reply for information sought. The main reasons for higher concentration of PM10 at project site, Ribda and Pipaliya Pal Village in Baseline study of EIA report are surrounding industrialization and heavy traffic load. By-products generated from the proposed project are Hydrochloric Acid, Sodium Bisulphite and Phosphorus Acid. All the by-products are readily saleable in the market. Details of source of generation, characteristics and end use along with agreement by end-users for their willingness to purchase by-products are submitted. Membership certificate of SEPPL for common integrated hazardous waste management facility is submitted. There will be no effluent generation from manufacturing process. Condensate water generated from process @ 0.4 KLD will be reused for cooling make up. Effluent generated from APCE, Cooling, Boiler and Washing @1.7 KLD will treated in ETP comprising of primary, secondary and tertiary units and treated wastewater will be reused for greenbelt development. A detailed treatability study report is submitted. Percolation test was carried out at site and soil report is submitted. Unit has proposed to provide 5 KL capacity of treated effluent collection tank. Hence, total storage capacity will be 7.06 KL, which will be sufficient to store effluent up to 4 days in monsoon season. The unit intends to use various solvents like Mono Chloro Benzene, Acetone, Methanol and Xylene. The spent solvent generated during the manufacturing process will be separated and recovered up to 95% on average by two stage distillation and reused in the process. Details of solvent requirements & recovery system including measures for achieving maximum solvent recovery is submitted. Revised Risk assessment report including On-site / Off-site Emergency Plan is submitted. There are no instances of any legal breach of Environmental laws in the past. Compliance status for the CTE and CCA for existing unit is submitted. Undertakings by the project proponent and consultant are submitted. Summary and conclusion as per the generic structure of EIA notification is also submitted. Committee discussed all the above mentioned reply in detail. Committee asked to send spent HCl to the actual end users only who are authorised under the hazardous waste Rules. After deliberations on various aspects, the committee decided to recommend the project to SEIAA, Gujarat for the grant of Environmental Clearance.

14. Laxmi Polyadditives , Plot no.902, Road No.902, GIDC- Sarigam, Ta.: Umbergaon, Dist-Valsad..	Appraisal

Project / Activity No.: 5(f)

Project status: Expansion

Chronology of EC Process:

- This project proposed by M/s:. Laxmi Polyadditives (herein after Project Proponent – PP) has submitted Application vide their letter dated 20/07/2015.
- This project was considered in the meeting of the SEAC held on 17/11/2015.
- The project proponent requested to categorize the project as B2 looking to the low pollution potential of the project and its location in GIDC-Sarigam. The request for categorizing the project as B2 was considered by the committee and the additional information was sought for appraisal of the project.
- The project proponent submitted the additional information vide their online proposal no. SIA/GJ/IND2/51296/2016 dated 08/03/2016.

Project / Activity Details:

This is an existing unit engaged in manufacturing of Synthetic Organic Chemicals and now proposes for expansion as tabulated below:

Sr. no.	Products Name	Production Capacity (MT/Month)		
		Existing	Proposed	Total
1	PVC Additives/ Stabilisers	300.00	00.00	300.00
2	Tri Basic Lead Sulphate	100.00	00.00	100.00
3	Metallic Stearates	8.00	492.00	500.00
4	Liquid Metal Octoates & Oleates	2.00	0.00	2.00
Total		410.00	492.00	902.00

The project falls under Category B of project activity 5(f) as per the schedule of EIA Notification 2006.
Plot area is approx. 1050 sq. m. Area for green belt/tree plantation is 320 sq. m. development. Estimated cost of proposed expansion is Rs. 1.09 Crores. Fresh water requirement of 13.50 KL/day (Existing 11.50 KL & additional 2 KL) after the proposed expansion will be supplied by the GIDC. Fresh water requirement after proposed expansion will be increased from 11.50 KL/day to 13.50 KL/day (4.5 KL Domestic, 8 KL Industrial & 1 KL Gardening) which will be supplied by the GIDC. Wastewater generation after the expansion will be increased from 3.7 KL/day [0.7 KL/day industrial + 3 KL/day domestic] to 4.20 KL/day [0.7 KL/day industrial + 3.5 KL/day domestic]. Industrial effluent after primary treatment will be sent to CETP of Sarigam. Domestic waste water (3.5 KL/day) will be disposed off into septic tank/soak pit system. At present unit has provided one steam Boiler (0.6 TPH) and one DG set (40 KVA). LDO/FO (400 ltrs/day) and HSD (8 ltrs/hr) will be used as fuel in Boiler and DG set respectively. No process gaseous emission is envisaged. Hazardous waste to be generated are ETP waste (0.5MT/Yr.), Discarded containers (1 MT/Yr), Used Oil (0.005 KL/Yr.) ETP waste will be disposed off at the nearby common TSDF. Discarded barrels / containers / bags / liners will be either reused or returned back to suppliers or sold only to the authorized recyclers. Used oil will be sold only to the registered reprocessors.

Observations/Discussion:

Technical presentation made during the meeting by project proponent. CETP performance was discussed. PP informed that CETP is in operation since last one year and actual load of CETP is 9 MLD against its capacity 12.5 MLD. Further PP informed that There is no additional industrial waste water

generation from the proposed project. Committee noted that there no use of solid fuel and no process gaseous emission from the existing as well as proposed project. After deliberations on various aspects, the committee decided to recommend the project to SEIAA, Gujarat for the grant of Environmental Clearance.

15. Alchemie Industries, Plot No. 2702, 2901, 2701-2703, 2608, 731/A, GIDC, Sarigam, Ta. Umbergaon, Dist. Valsad.	Screening & Scoping

Project / Activity No.: 5(f)

- M/s: Alchemie Industries (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/10469/2015 dated 01/03/2016.

Project status: Expansion

Project / Activity Details:

This is an existing unit engaged in manufacturing of Synthetic organic chemicals and now proposes for expansion as tabulated below:

Sr. No.	Products Name	Existing Production Capacity (MT/M)	Proposed Production Capacity (MT/M)	Total Production Capacity (MT/M)
	Group -A			
1)	Ortho Nitro Anisole &/OR	140.00	1060.00	1200.00
2)	Para Nitro Anisole &/ OR	00.00	1200.00	
3)	2,4 DI NITRO ANISOLE &/OR	00.00	1200.00	
	Group -B			
1)	5 Nitro /4 Nitro Ortho Anisidine (FAST RED B BASE / SCARLET R BASE) &/OR	80.00	130.00	210.00
2)	2,5 DI CHLORO PARA NITRO ANISLINE (2,5 DCPNA) &/OR	00.00	210.00	
3)	3 Nitro Para Anisidine (META NITRO PARA ANISIDINE) &/OR	80.00	130.00	
4)	3 NITRO PARA TOLUDIENE (META NITRO PARA TOLUDIENE)	80.00	130.00	

	Group -C			
1)	ORTHO NITRO CHLOROBENZENE PARA SULPHONIC ACID (ONCBPSA)	00.00	100.00	100.00
2)	Ortho Anisidine &/OR Para Anisidine	140.00	-140.00	00.00
	Total	**220.00**	**1290.00**	**1510.00**

By-Products

Sr. No.	By Products Name	Existing Production Capacity (MT/M)	Proposed Production Capacity (MT/M)	Total Production Capacity (MT/M)
1.	Sodium acetate	85.00	113.00	198.00
2.	Sodium sulphate	00.00	90.00	90.00
3.	Crude ortho nitro phenol	10.00	90.00	100.00
4.	Acetic acid	40.00	50.00	90.00
5.	Sodium chloride	120.00	340.00	460.00
6.	Spent caustic soda lye	05.00	0.00	0.00
	Total	**260.00**	**683.00**	**938.00**

The project falls under Category B of project activity 5(f) as per the schedule of EIA Notification 2006. Total plot area is 14519.60 Sq. m & unit has proposed 6674.31 Sq. m. area for the green belt development/tree plantation. Estimated cost of proposed expansion is Rs. 11.06 Crores.

Complete project details is tabulated as below:

Particulars	Details
Aerial distance of nearest residential area	Sarigam – 2.05 km (approx.)
Water	212.70 KLD (Domestic- 10.00 KLD & Industrial-202.70* KLD) * Note: Existing Boiler requiring 7 KLD water is discarded now.
Source of Water Supply	Water will be meet from GIDC Water supply , Sarigam

<table>
<tr><td>Water consumption (KL/day)</td><td>

• Domestic:

Sr. No.	Particulars	Existing Quantity (KLD)	Proposed Quantity (KLD)	Total Quantity (KLD)
1	Domestic	5.00	5.00	10.00

• Industrial: (Process, Washings, Utilities etc.) (KL/Day)

Sr. No.	Particulars	Existing Quantity (KLD)	Proposed Quantity (KLD)	Total Quantity (KLD)
1	Process & Washing	52.00	66.50	118.50
2	Boiler	7.00*	0.00	0.00*
3	Cooling	31.00	43.20	74.20
4	Others (Gardening)	5.00	5.00	10.00
	Sub-total	**95.00**	**114.70**	**202.70***

* Note: Existing Boiler requiring 7 KLD water is discarded now.

</td></tr>
<tr><td>Waste water generation (KL/day)</td><td>

• Domestic: (KL/Day)

Sr. No.	Particulars	Existing Quantity (KLD)	Proposed Quantity (KLD)	Total Quantity (KLD)
1	Domestic	3.00	2.00	5.00

• Industrial: (Process, Washings, Utilities etc.) (KL/Day)

Sr. No.	Particulars	Existing Quantity (KLD)	Proposed Quantity (KLD)	Total Quantity (KLD)
1	Process & Washing	52.00	45.40	97.40
2	Boiler	0.00	0.00	0.00
3	Cooling	1.00	19.00	20.00
4	Others	0.00	0.00	0.00
5	Concentrated Stream	4.40	1.60	6.00
	Sub-total	**60.40**	**34.20**	**94.60**

</td></tr>
<tr><td>Treatment facility with capacity (ETP, CETP, MEE, STP etc).</td><td>

- **ETP (Capacity- 42.20 KLD Max.)**
- **Membership of CETP, Sarigam for final disposal**
- **Membership of Sarigam Waste Effluent Management co. ltd. to TSDF, Vapi**
- **Membership of Saurastra Enviro Projects Pvt. Ltd., Surat (for Integrated Common Hazardous Waste Management facility)**

</td></tr>
<tr><td rowspan="2">Mode of Disposal & Final meeting point</td><td>

Domestic:
The wastewater generated from domestic use is disposed off through adequate soak pit and septic tank.

</td></tr>
<tr><td>

Industrial:

- 42.20 KL/day will be treated using adequate ETP then will be disposed off through underground drainage to CETP, Sarigam.
- 75.20 KL/day will be treated in adequate Multiple Effect Evaporator with stripper and
- 6 KL/day of concentrated stream from process will be sent for Incineration.

</td></tr>
<tr><td>Reuse/Recycle details</td><td>80.40 KL/day of treated water is recycled as Cooling Tower Makeup.</td></tr>
</table>

No. of Boilers/TFH/Furnaces/DG sets etc. with capacities	**Existing D.G. Sets:** 250KVA x 2 Nos. + 125 KVA x 2 Nos. **Proposed D.G. Set:** **250** KVA x 1 No. • The steam will be sourced from sister unit M/s. Arti Industries (Boier div.).
Fuel consumption (MT/hr & MT/Day)	**Diesel:** Existing- 112 L/hr. Proposed: 38 L/hr
APCM for flue gas control	Provide adequate Stack height for flue gas control
Process gas/Fugitive emission details	NO_x
APCM for process gas/fugitive gaseous emission details	Two Stage Acid –Alkali scrubber

Hazardous waste

Types of Waste& Category	Source of Generation	Existing Quantity/ Month	Quantity (total after Proposed)/ Month	Method of Disposal
Used oil (5.1)	Plant machineries	41.66 L/M	84 Lit.	Will be sent to registered recycler /Reused
ETP Waste (34.3)	ETP	2 MT	60 MT	Disposal to TSDF site.
Discarded containers/barrels /liners (33.3)	Consumed Raw materials and Product packaging.	84 Nos.	150 Nos.	Will be sold to GPCB scrape dealers as a scrap.
Saturated Carbon (28.2)	Mfg. Processes	0.00	1.25 MT	Will be send for incineration to CHWIF

Observations / Discussion:

Technical presentation made during the meeting by project proponent. While discussing about the treatment of waste water and its disposal, Committee emphasised on complete zero liquid discharge instead of sending it to CETP. PP informed that they will adopt waste water stream segregation and total 80.4 KL/day will be recycled. However, PP assured that they will explore the possibilities to reuse at maximum extent by reducing discharge of treated waste water into CETP and consequently overall water consumption will be reduced. Compliance status of existing project was discussed.

After detailed discussion, the following additional Terms of Reference were prescribed for the EIA study to be done covering 5 Km radial distance from the project boundary.

1. Need for the proposed expansion should be justified in detail.
2. Demarcation of proposed expansion activities in lay out of the existing premises.
3. Exact aerial distance from the CEPI area of Vapi and Inter state boundary from the project premises.

4. Exact details about additional infrastructural facilities, plant machineries etc. required for the proposed expansion.
5. Technical details of all the plants along with details of manufacturing process / operations of each product. Details on strategy for the implementation of cleaner production activities.
6. Chemical name of each product and raw materials along with chemical reactions of unit processes. Detailed manufacturing process of each product along with chemical reactions and mass balance (including reuse-recycle, if any).
7. Assessment of source of the water supply with adequacy of the same to meet with the requirements for the project expansion. Permission obtained for supply of increased quantity of raw water. Undertaking stating that no bore well shall be dug within the premises.
8. Water consumption and consumption of each raw material per MT of each product.
9. Revised Water balance diagram (including maximum reuse-recycle) along with qualitative and quantitative analysis of the each waste stream to be generated. A detailed treat ability study vis-à-vis the adequacy and efficacy of the treatment facilities proposed for the wastewater to be generated. The characteristic on which treatability is based shall also be stated. Characteristics of untreated and treated wastewater.
10. Quality and quantity of waste water to be generated from the manufacturing process of each product to be manufactured along with mass balance.
11. Stream wise qualitative & quantitative analysis of each waste stream (including process water, cooling tower blow down, boiler blow down, washing effluent etc.) to be generated. 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. The characteristic on which treatability is based shall also be stated.
12. Detailed action plan for segregation of waste water streams.
13. Detailed effluent treatment scheme and disposal method. Technical details of the proposed ETP, including size of each unit, retention time etc. including modifications / up gradation to be done in existing ETP to take care of increased effluent quantity along with its adequacy report.
14. Details of CETP- Sarigam including (1) Total capacity of the CETP (2) Total booked capacity and actual load received at present (Qualitative and Quantitative) (3) CETP Up gradation scheme, if any (4) Last 3 years analysis reports of GPCB for Inlet and outlet of CETP (5) Spare capacity of CETP with treatability and feasibility report. (6) Recommendations and suggestions of the last two Environment Audit reports of CETP- Sarigam and its compliance report.
15. 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. Control measures proposed for the evaporation system in order to avoid/reduce gaseous emission/VOC from evaporation of industrial effluent containing solvents & other chemicals.
16. Plan for management and disposal of waste streams to be generated from spillage, leakages, occasional reactor washing, and exhausted media from Scrubber etc.
17. Explore the possibility of maximum reuse / recycle and other cleaner production options for reduction of wastes. Details of methods to be adopted for the water conservation.
18. Undertaking stating that a separate electric meter will be provided for the ETP & MEE.

19. One season Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall should be incorporated.
20. 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.
21. 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.
22. Modelling indicating the likely impact on ambient air quality due to proposed activities. The details of model used and input parameters used for modelling 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 modelling should be superimposed on google map / geographical area map.
23. Base line status of the noise environment, impact of noise on present environment due to the project and proposed measures for noise reduction including engineering controls.
24. Specific details of (i) Process gas emission from each unit process with its quantification, (ii) Air pollution Control Measures proposed for process gas emission, (iii) Adequacy of the air pollution control measures for process gas emission measures to achieve the GPCB norms (iv) Details of the utilities required (v) Type and quantity of fuel to be used for each utility (vi) Flue gas emission rate emission from each utility (vii) Air Pollution Control Measures proposed to each of the utility along with its adequacy (viii) List the sources of fugitive emission along with its quantification and proposed measures to control it. (All the details and impact regarding Steam obtained from Sister concern unit including lay out map, safety aspects, MoU with steam supplier unit etc. shall be incorporated).
25. Name and quantity of each type of solvents to be used for proposed production. Details of solvent recovery system including mass balance, solvent loss, recovery efficiency feasibility of reusing the recovered solvents etc. for each type of solvent.
26. Details on management of the by-products and spent acid to be generated along with copies of MOU / agreements done with actual consumers regarding utilization of by-products & spent acids shall be incorporated.
27. 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.
28. Methodology of de-contamination and disposal of discarded containers and its record keeping.
29. Membership of Common Environmental Infrastructure including the TSDF / Common Hazardous

Waste Incineration facility along with an assessment to accommodate the additional quantity of wastes to be generated. Explore the possibilities for co-processing of the Hazardous waste prior to disposal into TSDF/CHWIF.

30. Data on air emissions, wastewater generation and solid / hazardous waste generation and management for the existing plant should also be incorporated.
31. Details of measures proposed for the noise pollution abatement and its monitoring.
32. 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-minimisation, recycle/reuse/recover techniques, energy conservation, and natural resource conservation. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
33. 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 place ambient air quality monitoring plan as per Gujarat Factories Rules.
34. Details of hazardous characteristics and toxicity of raw materials and products to be handled and the control measures proposed to ensure safety and avoid the human health impact.
35. Details of quantity of each hazardous chemical to be stored, material of construction of major hazardous chemical storage tanks, threshold storage quantity as per schedules of Manufacture, Storage & Import of Hazardous Chemicals Rules of major hazardous chemicals.
36. Risk assessment including prediction of the worst-case scenario and maximum credible accident scenarios should be carried out. The worst-case scenario should take into account the maximum inventory of storage at site at any point of time. The risk contours should be plotted on the map clearly showing which of the facilities and surrounding units 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.
37. Permission from PESO, Nagpur for storage of solvents, other toxic chemicals, if any.
38. Details of fire fighting system including provision for flame detectors, temperature actuated heat detectors with alarms, automatic sprinkler system, location of fire water tanks & capacity, separate power system for fire fighting, details of qualified and trained fire personnel & their job specifications, nearest fire station & time required to reach the proposed site. Submit line diagram of the fire hydrant network.
39. 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.
40. Proposal for socio-economic development activities including community welfare program most useful in the project area for the overall improvement of the environment.
41. Copies of Consent to Establish, Consent to Operate orders obtained in past along with point wise compliance status of all the conditions stipulated therein.
42. Copy of Environmental Clearance obtained for the existing project and a certified report of the status

of compliance of the conditions stipulated in the environmental clearance for the existing operation of the project by the Regional Office of the MoEF.

43. Records of any legal breach of Environmental laws i.e. details of show- cause notices, closure notices etc. served by the GPCB to the existing unit in last five years and actions taken then after for prevention of pollution.
44. Details of fatal / non-fatal accidents, loss of life or man hours, if any, occurred in the existing unit in last three years and measures proposed to be taken for avoiding reoccurrence of such accidents in future.
45. (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.
46. 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.
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. 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.
49. Compliance of the MoEF's OM dated 04/08/2009 and 05/10/2011 regarding compliance of TOR prescribed & factual correctness of the data submitted in the EIA report, the names of experts associated with / involved in the preparation of the EIA report and the ownership of the EIA report by the Project proponent.
50. Certificate of accreditation issued by the NABET, QCI to the environmental consultant should be incorporated in the EIA Report.

The above mentioned project specific TORs/additional TORs and the model TORs available in the MoEF's sector specific EIA Manual for **Synthetic Organic Chemical industry** 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 project shall be appraised on receipt of the final EIA report.

16. Todi Rayons Pvt Ltd., Block No. 1000, Village Tadkeshwar, Ta: Mandvi, Dist : Surat.	Appraisal

Project / Activity No.: 5(d)

- M/s: Todi Rayons Pvt. Ltd. (herein after Project Proponent – PP) has submitted application vide their letter dated 11/08/2015.
- This project was considered in the meeting of the SEAC held on 17/11/2015. During the meeting, the request for categorizing the project as B2 was considered by the committee as per OM issued MoEF vide no. J-13012/12/2013-IA-II(I) dated 24th December, 2013 and the additional information was sought for appraisal of the project.

- The project proponent submitted the additional information vide their online proposal no. SIA/GJ/IND2/51275/2016 dated 08/03/2016.

Project status: New

Project / Activity Details:

This is a new unit proposes the manufacturing of following items

Sr. no.	Product	Quantity (MT/Month)		
		1st Phase	2nd Phase	Total
1	Nylon Fully drawn Yarn (FDY)	7840	3920	11760
2	Yarn waste (By-Product)	243	122	365

The project falls under Category B of project activity 5(d) as per the schedule of EIA Notification 2006. Basic raw materials for manufacturing of FDY are Poly Amide 6 Chips and Spin Finish Oil. Total plot area is 30605 sq. m & unit has proposed 5000 sq m area for the green belt development/Tree plantation. Expected project cost is Rs. 75 Crores. Residential area of village Hariyal is @ 1.44 km from the project site. Total water consumption for proposed project will be 100 KL/day (77 KL for Phase-I and 23 KL for Phase-II) which will be sourced from Canal water. Unit has applied for permission to Irrigation department. Industrial waste water generation will be 24 KL/day (11 KL- Cooling tower blow down + 5 KL from water treatment plant reject + 8 KL cleaning waste water). Cooling tower blow down will be utilised for flushing in toilet block (6 KL/day) and for gardening purpose (5 KL/day). Effluent generated from the water treatment plant (5 KL/day) and cleaning waste water (8 KL/day) will be sent to ETP for further treatment and treated waste water will be utilized for green belt development/plantation within premises. Unit has proposed ETP comprises of primary & tertiary treatment plants. Domestic waste water (6 KL/day) will be disposed off into soak pit system. There will be no flue gas emission and no process gaseous emission from the proposed project. Unit has proposed one DG set (500 KVA) in which HSD (100 Lit./hr) will be used as fuel. Hazardous waste generated from the manufacturing activity will be ETP sludge (0.45 MT/Month) and used oil (100 Lit./Year). ETP waste will be sent to common TSDF site and Used oil will be sold only to the registered recyclers. By-product Yarn waste (20 MT/Month) will be sold out to actual users.

Observations & Discussions:

Technical presentation made by the project proponent during the meeting. While discussing about the waste water treatment and management during monsoon season, PP informed that they have proposed to provide storage pond having storage capacity of 60 KL for storage of treated effluent during monsoon. Committee suggested to provide adequate capacity of storage pond/tanks for rainy days which was agreed to by the project proponent. During the meeting, after detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

17. PNP Polymers Private Limited, Survey no. 237/3,P 2, Sarigam, Ta.: Umbergaon, Dist.: Valsad	Appraisal

Project / Activity No.: 5 (d)

- M/s: PNP Polymers Pvt. Ltd. (herein after Project Proponent – PP) has submitted application vide their letter dated 19/01/2015.
- The project proponent was called for appraisal of the project in the meeting held on 22/04/2015.
- Technical presentation included project details, details of raw materials and its quantity properties

of the products etc. It was observed that the proposed location in Village Sarigam is surrounded by residential area. On asking, PP could not reply satisfactorily regarding distance of nearby habitat from the proposed site. Committee felt that the exact distance of residential area should be checked by concerned RO of GPCB. After detailed deliberations, It was decided to reconsider the project for screening / scoping in one of the upcoming meetings only after submission of the following: (1) Satellite image and map showing nearest residential area/habitats from the outer periphery of the proposed site. Submit distance certificate from the concern authority. (2) Satellite image of project site with specific details such as distance of the project site from the nearest (1) Aanganwadi/School/College/Institute (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 etc.

- PP has submitted additional information vide their letter no. BLD/MIS/035 dated 27/10/2015.
- The project proponent was called for presentation and discussion in the meeting of SEAC held on 22/12/2015.
- During the meeting, technical presentation included the point wise compliance of queries raised during SEAC meeting dated 22/04/2015 and salient features of the proposed project. PP has submitted the satellite images for aerial distance of nearest habitat, water body, National highway, Railway station, School etc. from the boundary of the proposed site. As per the satellite image nearest habitat is at a distance @ 450 m. Committee noted that there will be no process air emission and utility emission due to proposed project, there will be no generation of waste water and no hazardous waste generation from the manufacturing process. On asking about the noise pollution from the proposed activities, PP informed that they install a sound proof wall around main plant and this manufacturing plant will be surrounded by Godowns and office building.
- The committee asked to install plant machineries at suitable location to ensure that its operation do not cause noise nuisance to surroundings. Committee also emphasized on provision of best available technology with sound absorbent material and thick tree plantation with drip irrigation system on the periphery of the proposed site. PP agreed to take care of noise pollution and to provide thick green belt at the periphery of the site.
- The request of categorizing the project as B2 was considered by the committee as per OM issued MoEF vide no. J-13012/12/2013-IA-II(I) dated 24th December, 2013 and the additional information was sought for appraisal of the project.
- The project proponent submitted the additional information vide online proposal no. SIA/GJ/IND2/51507/2016 dated 11/03/2016.

Project status: New

Project / Activity Details:

This unit has proposed to manufacture nylon POY and FDY as tabulated below:

Sr.	Name of Product	1st Phase	2nd Phase	Total

no.		Quantity MT/Month	Quantity MT/Month	Quantity MT/Month
1.	Nylon Partially oriented Yarn (POY)	450	450	900
2.	Nylon Fully drawn Yarn (FDY)	550	1000	1550
3	Yarn waste (By-Product)	4.5	7.5	12

The project falls under Category B of project activity 5(d) as per the schedule of EIA Notification 2006. The main raw materials for the proposed products are Poly Amide 6 Chips ans Spin Finish Oil. Total plot area is 128050 sq.m & unit has proposed 3710 sq. m area for green belt development/Tree plantation. Expected project cost is Rs. 150 Crores. Total water consumption for proposed project will be 32 KL/D (5 KL/day for Domestic, 27 KL/day for Industrial) which will be sourced from Bore well. Unit has proposed Air cooled chillers to reduce the water consumption. Generated Industrial waste water 11 KL/day (from water treatment and washing/cleaning) will be reused for gardening & plantation within the premises. Unit has proposed to install Multi grade filtration system for removal of TSS from the cleaning waste water. RO reject and the other waste water including the cleaning waste water will be utilized for greenbelt development. It is further blended with fresh water (7 KL/day) for sufficient watering in greenbelt. Cooling tower blow down (3 KL/day) will be used for toilet blocks for flushing. Domestic waste water (3 KL/day) will be disposed off into soak pit system. Flue gas generation will be from stand by D.G. set (750 KVA). HSD (150 Lit./hr) will be used as a fuel for Boiler. No process gas emission is envisaged. PP has presented that only used oil (100 Lit./Year) will be generated as hazardous waste from the proposed project and It will be sold to the authorised recycler. Generated yarn waste (365 MT/Month) will be sale out to end user M/s Aasu Plastics Pvt. Ltd., Sarigam GIDC, Sarigam

Observations & Discussions:

Technical presentation made by the project proponent during the meeting. While discussing about the waste water treatment and management during monsoon season, PP informed that during rainy days there will be no extraction of 7 KLD of ground water and generated 11 KL per day Effluent will be collected in Equalization pond of storage capacity up to 60 KL and then it will be utilized. Committee suggested to provide adequate capacity of storage pond/tanks for monsoon period which was agreed to by the project proponent. During the meeting, after detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

18. Krishna Processor & Traders, Survey no.206/P4, Plot no:13, 14, Vill.: Ravki, Ta.: Lodhika, Dist.: Rajkot	Appraisal

Project / Activity No.: 5(f)

Project status: New

Chronology of EC Process:

- This project proposed by M/s: Krishna Processor and Traders (herein after Project Proponent – PP) has submitted an application vides their vide their letter dated 19/09/2015.
- This project was considered in the meeting of the SEAC held on 27/11/2015.
- The location of the unit is outside the notified area. As per amendment to EIA Notification, 2006 vide SO 1599 (E) dated 25.06.2014, small units are categorized as Category “B” projects. Small units are defined as with water consumption less than 25 M3/day; Fuel consumption less than 25 TPD; and not covered in the category of MAH units as per the Management, Storage, Import of

Hazardous Chemical Rules (MSIHC Rules), 1989.

- Looking to the low pollution potential of the proposed activity, after deliberation on various aspects, the request of categorizing the project as B2 and the additional information was sought for appraisal of the project.
- During presentation, PP informed that water requirement is 0.15 KL/day. Fuel requirement is 0.5 MT/day (<25 MT/day) and Chemicals to be used are not covered in MAH category. Hence, the proposed products of Resins fall under Category B of project activity 5(f) as per the EIA Notification 2006.
- The project proponent submitted the additional information vide their online proposal no. SIA/GJ/IND2/10623/2015 dated 10/03/2016.

Project / Activity Details:

This is a new unit proposes for manufacturing of Synthetic Organic Chemicals as tabulated below:

Sr. no.	Name of Products	Quantity (MT/Month)
1	Polyester Resin	100

The manufacturing of Polyester Resin falls under the project activity 5(f) as per the schedule of EIA Notification 2006.

Total plot area is 1134.5 sq. m & unit has proposed 185 sq m area for the green belt development/Tree plantation. Expected project cost is Rs. 0.55 Crores. Aerial distance of nearest residential area of village Ravki is @ 1.6 km from the project site. Total water consumption for proposed project will be 0.15 KL/day which will be sourced from Bore well. Industrial waste water generation will be 0.125 KL/day from the condenser attached to the reactor which will be reused for cooling make-up. Domestic waste water (0.08 KL/day) will be disposed off into soak pit system. It is proposed to install one TFH (2 Lac Kcal/hr). White coal (0.5 MT/day) will be used as fuel for Boiler. Cyclone dust collector is proposed as APCM. No process gas emission is envisaged. Hazardous waste generated from the manufacturing activity will be Discarded containers/Bags/Liners and used oil (5 Lit./Year), Discarded barrels / containers (250 no.s/Month), Discarded bags / liners (1500 no.s/Month) will be either reused or returned back to suppliers or sold only to the authorized recyclers. Used oil will be sold only to the registered recyclers.

Observations & Discussions:

Technical presentation made by the project proponent during the meeting. During the meeting, Committee observed that there is a generation of waste water from the condenser attached to the reactor. However, they have not shown the characteristics of waste water and its feasibility to reuse foe cooling make-up. PP has not submitted details regarding waste water characteristics and its feasibility to reuse for cooling make up. Committee asked to submit quality of the effluent to be generated and feasibility to reuse waste water as make-up without treatment. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

1. Give characteristics of the effluent to be generated and its feasibility to reuse in process.
2. Action plan for 'Zero' discharge of effluent shall be included.

19. Mamata Tex Dyes (Samba)Pvt. Ltd., Plot No: 2109, 2110, GIDC Sarigam, Ta.: Umbergam, Dist.: Valsad.	Appraisal

Project / Activity No.: 5 (f)

Project status: New

Chronology of EC Process:

- This project proposed by M/s: Mamta Tex Dyes (Samba) Pvt. Ltd. (herein after Project Proponent – PP) has submitted Application vide their letter dated 19/02/2015.
- The project was considered for TOR finalization in the meeting of the SEAC held on 19/05/2015.
- EIA Report prepared by M/s: Eco Chem Sales Services, Surat was submitted by project proponent vide online proposal no. SIA/GJ/IND2/10666/2015 dated 11/03/2016.

Project / Activity Details:

This is a new unit proposes to manufacture Synthetic Organic Chemicals as tabulated below:

Sr. no.	Name of the Products	Capacity MT/month
1	Sulphur Black Grains	200
2	Sulphur Black Liquid	300
	By-products	
1	Sodium Thio Sulphate Crystal	250.1
2	Sodium Chloride salt	47.12

The project falls under Category B of project activity 5(f) as per the schedule of EIA Notification 2006. Total plot area is 2250 sq. m and unit has proposed 700 sq m area for the green belt development/Tree plantation. Expected project cost is Rs.3.2 Crores. Capital cost for EMP will be 5 Lacs and recurring cost per annum will be 3 Lacs. Total water consumption for proposed project will be 39.4 KL/D (31.2 KL Fresh + 8.2 KL Recycled). Fresh water which will be sourced from GIDC water supply. Industrial waste water generation will be 2.2 KL/day (Washings, Cooling tower), which will be treated in proposed Primary & Tertiary treatment plant and treated waste water will be discharged into CETP Sarigam for further treatment and disposal to Arabian Sea. Domestic waste water (2 KL/day) will be disposed off into soak pit system. Recovered condensate from process water vapour (8.2 KL/day) will be recycled to reduce fresh water consumption. Flue gas generation will be from one TFH (6 Lac Kcal/hr) and one D.G. sets (500 KVA). Natural gas (100 SCM/hr) will be used as a fuel for TFH. HSD (125 Kg/hr) will be used as fuel in DG set. Traces of ammonia gas & hydrogen sulphide gas will be emitted from process stack. Water scrubber followed by Acid scrubber will be provided with reactor to scrub traces of Ammonia gas. Alkali scrubber will be provided with reactor to scrub traces of Hydrogen sulphide gas. Sodium Thio Sulphate Crystal and Sodium Chloride salt will be generated as By-product. NaCl salt will be used as a raw material for Sulphur black liquid product for captive consumption. Hazardous waste generated from the manufacturing activity will be ETP sludge (1 MT/Year), Sludge from wet scrubber (0.005 MT/Year), Spent carbon (11.52 MT/Year), Discarded containers/Bags/Liners (1 MT/Year) and Used oil (0.005 MT /Year). ETP waste and sludge from wet scrubber will be disposed off at the nearby common TSDF. Discarded barrels / containers / bags / liners will be either reused or returned back to suppliers or sold only to the authorized reprocessors. Used oil will be sold only to the registered recyclers. Spent carbon will be sent to cement industries for co-processing.

Observations/Discussions:

Technical presentation during the meeting included the Point wise ToR compliance. The baseline environmental quality has been assessed in the winter season (October-2015 to December-2015) in a study area covering 5 km radius around the plant site. Ambient Air Quality Monitoring (AAQM) was carried out at 7 locations during the study period for PM10, PM2.5, SO2, NOx, NH3, CL2, CS2, H2S and VOC. The baseline ambient air quality study reveals that the concentrations of all the measured

parameters are well within the prescribed limits as per the National Ambient Air Quality Standards for industrial & residential. The Industrial Source Complex – Short Term (ISCST3) dispersion model was used for the prediction of maximum ground level concentration (GLC). The maximum ground level concentration due to the proposed project will be within the ambient air quality standards. During the discussion regarding process gaseous emission, PP informed that they will provide Vent and stack gas detectors. Committee suggested to provide alarm system with interlocking to stop excess emission to which PP was agreed. Additional studies like Risk Assessment, On-Site / Off-Site Emergency Plan and Occupational Health Programme have been included in EIA report. CETP performance was discussed. PP informed that CETP is in operation since last one year and actual load of CETP is 9 MLD against its capacity 12.5 MLD. PP has submitted CETP inlet and outlet results for the period from May-2014 to February 2016. While reviewing the EIA report Committee noted that PP has not submitted documents related to ToR no. 22 regarding management of By-product Sodium Thio Sulphate Crystal. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Compliance of ToR no. 22 with reference to By-product Sodium Thio Sulphate Crystal.
2. An undertaking by the Project Proponent on the ownership of the EIA report as per the MoEF&CC OM dated 05/10/2011

20. Span Chemicals, Plot No:27, C/1,B-6 Pandesara, Ta.: Chorasi, Dist.: Surat. | Appraisal

Project / Activity No.: 5(f)

- M/s: Span Chemicals (herein after Project Proponent – PP) has submitted application vide their letter dated 13/08/2014.
- Project Proponent did not remain present in the SEAC meeting dated 18/10/2014.
- The project was considered for TOR finalization in the meeting of the SEAC held on 24/03/2015.
- Final EIA Report prepared by M/s: en-vision Enviro Technologies Pvt. Ltd., Surat was submitted project proponent on dated 05/10/2015. (Online Proposal no. SIA/GJ/IND2/1672/2015).
- The project proponent was called for appraisal of the project in the SEAC meeting held on 22/12/2016.
- PP has submitted additional details vide their online proposal no. SIA/GJ/IND2/10728/2014 dated 16/03/2016.

Project status: Expansion

Project / Activity Details:

This is an existing unit engaged in Dyes intermediates and now proposes for expansion and addition of new products as below:

Sr. no.	Products	Existing MT/Month	Proposed MT/Month	Total MT/Month
1.	Anthranilic Acid	7	23	30
2.	5 – Sulpho Anthranilic Acid	4	16	20
3.	Phthalimide	1	0	1
4.	Sodium Hypochlorite	0	200	200
5.	G-Salt	0	30	30
6.	Schaeffer's Acid	0	30	30
7.	Sulpho Tobias Acid	0	5	5
	By-Products			
1.	R-Salt	0	3	3

Total plot area is 800.8 sq. m. The total cost of the proposed expansion is 1.60 Crores. Total water consumption after proposed expansion will be 15.5 KL/day (Existing: 4.35 KL/day + Proposed: 19.55 KL/day). Fresh water will be sourced from GIDC water supply. Total industrial effluent generation will be 17.61 KL/day (Existing: 4 KL/day + Proposed: 13.61 KL/day) which will be treated in existing ETP. Necessary modifications and/up gradation will be carried out in existing ETP. Domestic waste water will be treated along with industrial effluent. Treated effluent will be sent to the CETP of M/s. Pandesara Infrastructure Ltd. (PIL) for further treatment and final disposal. There is no Boilers/heaters and no fuel requirement at present and for the proposed expansion. Unit has proposed scrubber system for control of process gaseous emissions from Sulphonator. Hazardous waste to be generated will be ETP sludge (45 MT/Year), Used Oil (0.07 MT/Year) and Discarded containers/Bags/Liners (5 MT/Year). Unit has obtained membership of TSDF of BEIL.

Observations & Discussions:

Technical presentation made during the meeting by project proponent. The baseline environmental quality has been assessed in the winter season (December 2014 to February 2015) in a study area covering 5 km radius around the plant site. The wind direction is predominantly from NE to SW direction. Ambient Air Quality Monitoring (AAQM) was carried out at 8 locations during the study period for PM10, PM2.5, SO2, NOx, NH3, HCl, CO, VOC and CL2. The baseline ambient air quality study reveals that the concentrations of all the measured parameters are well within the prescribed limits as per the National Ambient Air Quality Standards for industrial & residential. The Industrial Source Complex – Short Term (ISCST3) dispersion model was used for the prediction of maximum ground level concentration (GLC). The maximum ground level concentration due to the proposed project will be within the ambient air quality standards. Committee noted that PP has not shown generation of spent acid from the manufacturing of proposed products. On asking, PP could not reply about the generation of spent acid and its management. While discussing about treatability of dilute and concentrated waste water streams, Committee noted that PP has not given product wise effluent generation with qualitative analysis. Committee also asked to give worst case scenario for waste water generation & its treatment scheme. It was observed that TOR related to waste water generation, treatment scheme, reuse-recycle scheme, management of by-products and hazardous waste, flue gas, process gas, fugitive emission details, Compliance status etc. have not been addressed properly. After deliberations Committee asked PP to come with the revised proposal with sound environment management plan. Considering the above facts, It was unanimously decided to consider the project for further appraisal only after submission of the following: (1) Revised proposal with sound environment management plan. (2) Stage wise qualitative and quantitative analysis of waste water to be generated from the manufacturing process of each product to be manufactured along with mass balance. (3) Complete and specific details of TOR no. 7, 9, 11, 13, 17, 18, 21, 23, 39 (4) Give specific option with specific details for concentrated effluent stream to be generated from the proposed project. (5) Plant lay out indicating storage area, plant area, greenbelt area, utilities etc. (6) An undertaking by the Project Proponent on the ownership of the EIA report as per the MoEF&CC OM dated 05/10/2011 and an undertaking by the Consultant regarding the prescribed TORs have been complied with and the data submitted is factually correct as per the MoEF&CC OM dated 04/08/2009.

Observations/Discussions:

Technical presentation during the meeting included the Point wise compliance. Committee noted that the point wise reply submitted by PP was inadequate. Upon asking, PP could not reply satisfactorily. After detailed discussion, it was decided to consider the project only after satisfactory submission of the additional information sought during the SEAC meeting dated 22/12/2015.

21. Rushil Décor Ltd, Plot no. 607,608,GIDC-Mansa, Ta.: Mansa, Dist.: Gandhinagar	Appraisal

Project / Activity No.: 5(f)

Project status: Expansion

Chronology of EC Process:

- This project proposed by M/s: Rushil Décor (herein after Project Proponent – PP) has submitted Application vide their letter dated 17/07/2014.
- This project was considered in the meeting of the SEAC held on 20/09/2014.
- Looking to the small scale of the project, its location in GIDC estate and low pollution potential, after detailed elaboration, the project was categorized as B2 and the additional information was sought for appraisal of the project.
- During meeting committee suggested to provide Pulse Jet Bag filter with proposed Boiler and Bio Coal as fuel in place of Coal. The project proponent was asked not to use wood as a fuel in the Boiler.
- The project proponent submitted the additional information vide their letter dated 07/05/2015.
- The project proponent was called for appraisal of the project in the meeting held on 16/07/2015. During the meeting, the project was appraised as per the additional information submitted.
- Committee noted that Resin manufacturing is increasing from 400 MT/Month to 3029 MT/Month while the water requirement will be increased from 53.9 KL/day to 59.83 KL/day. Committee also noted that additional details submitted are incomplete with respect to water consumption quantity, waste water quantity & quality, technical details of evaporation system, stage wise reduction of pollution parameters etc. Safety aspects of storage and handling of Formaldehyde & Methanol were discussed in detail and committee emphasized on provision of online sensors for detection of VOC with alarm system and asked to submit details of emergency tanks for formaldehyde & Methanol. The project proponent was asked to use only Bio Coal and not to use Coal/ Lignite as fuel for Boiler. After detailed deliberations the Committee sought following additional information for further consideration of the proposal: (1) Plot holding certificate from GIDC for plot no. 608. (2) Comparative Chart for water consumption and waste water generation for existing and proposed expansion with detailed justification. (3) Give clarification regarding generation of waste water from the manufacturing process of PF resin. Give clarification regarding discrepancy between Annexure 4 and Annexure 6. Justify in detail regarding waste water generated from the Phenol Formaldehyde will be used for manufacturing of Urea Formaldehyde. (4) Undertaking regarding installation of separate reaction vessels for each of the product and not to carry out any washing activity. (5) Justify in detail that how the COD and Phenolic Compounds value of 179200 & 1250 mg/L in raw effluent will be brought down to 36360 & 139 mg/L respectively in final treated effluent. (6) Stream wise qualitative and quantitative assessment of the wastewater. A detailed treatability study vis-à-vis the adequacy and efficacy of the treatment facilities proposed for the wastewater to be generated. Submit stage wise reduction of major parameters. Report shall be authenticated by the

concern. (7) 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. Control measures proposed for the evaporation system in order to avoid/reduce gaseous emission/VOC from evaporation of industrial effluent containing solvents & other chemicals. (8) Provision of wet scrubber to control process emissions from the dryer section. Give details about Recovery of Methanol. (9) A detailed Green Belt Development Program including annual budget, types & number of trees to be planted, area under green belt development [with map]; along with commitment of the management to carry out the tree plantation activities outside the premises at appropriate places in the GIDC area and elsewhere. Identify the green belt area in consultation with GIDC/ Association. (10) Complete details of provision of emergency transfer tanks for Formaldehyde and Methanol. (11) Undertaking stating that Project proponent shall use only Briquettes of Bio Coal as fuel and in no case coal/lignite shall be used as fuel. Give quantity of Bio-Coal to be used for Boiler & TFH in Kg/Day & MT/day. (12) Permission of TSDF site is for 5 MT/year only, which is less than the quantity of hazardous waste generation. Give clarification/ justification in this regard. (13) Quantity and complete management of cutting waste generated from the laminated sheets manufacturing section. (14) Complete details of existing Phenol impregnator and Melamine impregnator.

- The project proponent submitted the additional information vide their letter dated 04/11/2015.

Project / Activity Details:

This is an existing unit engaged in manufacturing of Resins and now applied for expansion of Resin manufacturing as below:

Sr. no	Name of the Products	Existing (MT/Month)	Proposed (MT/Month)	Total after expansion (MT/Month)
1.	Phenol Formaldehyde Resin	140	882	1022
2.	Urea Formaldehyde Resin	200	1467	1667
3.	Melamine Formaldehyde Resin	60	680	740
4.	Decorative Laminated Sheet	70,000 no.	1,30,000 no.(consolidated all sheets and boards with size of 2.44 m X 1.22 m) or equivalent	2, 00,000 no. (consolidated all sheets and boards with size of 2.44 m X 1.22 m) or equivalent
5.	Electrical Insulation Board	3980 no.		
6.	Paper Pasted Hard Board	990 no.		

The manufacturing of Resin falls under Category B of project activity 5(f) as per the EIA Notification 2006. Existing unit has obtained CTE and CCA of the GPCB for manufacturing Resins, Decorative laminated sheets and various hard Boards. Proposed expansion of resin manufacturing is for captive consumption and to transfer to other two units located within 10 KM Radius. Unit has acquired additional plot no. 607 adjacent to existing plot no. 608. Total plot area is 6049.46 sq. m. Expected cost of the project after expansion will be Rs. 11.44 Crores. Fresh water requirement for the proposed project will

be 54.40 KL/day, which will be supplied by GIDC. Industrial wastewater generation will be 4.54 KL/day, which is proposed to be completely evaporated after its primary treatment in the ETP. Unit has proposed Multiple Effect Evaporator (MEE) to achieve complete zero effluent discharge. Domestic wastewater generation will be 8.50 KL/day and it will be disposed off through septic tank – soak pit. One DG set with capacity 200 KVA is proposed. Unit has proposed one steam boiler with 6 TPH capacity in which Bio-Coal- 14 MT/day will be used as fuel. Unit has proposed MDC followed by Bag filter as APCM with Boiler. No process gas emission is envisaged. Quantity of hazardous waste to be generated will be ETP waste & Salt from evaporation system (15 MT/Year), Used oil 0.1 MT/Year), Discarded Containers/Barrels/Liners contaminated with Hazardous waste (0.8 MT/Year) and Process wastes/chemicals and Residues & sludge. ETP waste, Salt from evaporation system and Process wastes/chemicals and Residues & sludge will be disposed off at the nearby common TSDF. Discarded barrels / containers / bags / liners will be either reused or returned back to suppliers or sold only to the authorized vendors after decontamination. Used oil will be sold only to the registered recyclers. Unit has obtained certificate of NECL, Nandesari for TSDF site for 5 MT/Year. In the manufacturing of Decorative Laminate sheet, methanol is used as a solvent which helps to let down the Viscosity of resins. During the drying process this Methanol is likely to liberate as a vapor, Hence the exhaust of the dryer will be connected to the condenser, where cool water will be circulated continuously to condense the methanol vapor. Recovered methanol will be re-used in the process. Unit has provided one empty tank for each chemical for emergency situation. Unit has provided two Phenol impregnators for impregnation of Kraft paper and two Melamine impregnators for impregnation of Design and Tissue paper.

Observations & Discussions:

Technical presentation made during the meeting also covered the point wise reply of additional information sought. While discussing about type of fuel to be used and undertaking in this regard, PP requested to allow them to use Lignite / coal as a fuel which was not was not considered by the committee. Committee again asked PP to submit undertaking stating that Project proponent shall use only Briquettes of Bio Coal or Agro waste as a fuel and in no case coal/lignite shall be used as a fuel, to which the project proponent was agreed upon. Committee reviewed the point wise reply submitted by project proponent and found that reply regarding points no. 3,4,5,6,7 11 & 13. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Justify how the 5.96 KL/day of waste water generated from PF resin will be reused in UF resin on daily basis. Submit feasibility report.
2. Give specific treatment option considering worst case scenario instead of giving multiple options considering priority basis.
3. Compliance of points no. 3,4,5,6,7 11 & 13 asked in the SEAC meeting dated 16/07/2015.

22. Nirvana Enterprise, Block No. 71, Khata No. 45, Plot No. 4, Nilkanth Industrial Estate, Village. Dhanot, Dist. Gandhinagar.	Screening & Scoping

Project / Activity No.: 5(f)

- M/s: Nirvana Enterprise (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/10143/2015 dated 09/03/2016.

Project status: New

Project / Activity Details:

This is a new unit proposes the manufacturing Synthetic organic chemicals as tabulated below:

Project Status	New

<table>
<tr><td>List of Products</td><td>
<table>
<tr><td>Sr.No.</td><td>Name of Products</td><td>Quantity (MT/Month)</td></tr>
<tr><td>1</td><td>Acid Green 16</td><td>2.0</td></tr>
<tr><td>2</td><td>Acid Blue 1</td><td>2.0</td></tr>
<tr><td>3</td><td>Acid Red 52</td><td>2.0</td></tr>
<tr><td colspan="2">Total</td><td>6.0</td></tr>
<tr><td colspan="3">By Product</td></tr>
<tr><td>1</td><td>Sodium bisulfite</td><td>5.0</td></tr>
</table>
</td></tr>
<tr><td>Total cost of Proposed Project</td><td>0.50 Crores</td></tr>
<tr><td>Plot area</td><td>1500 Sq.m</td></tr>
<tr><td>Green belt area,/Tree Plantation area</td><td>300 Sq.m</td></tr>
<tr><td>Source of Water Supply</td><td>Tanker</td></tr>
<tr><td rowspan="2">Water consumption</td><td>Industrial: 3.0 KL/day</td></tr>
<tr><td>Domestic & Gardening: 2.0 KL/Day</td></tr>
<tr><td rowspan="2">Waste water generation</td><td>Industrial: 2.6 KL/Day</td></tr>
<tr><td>Domestic: 0.5 KL/Day</td></tr>
<tr><td>Treatment facility with capacity</td><td>
<table>
<tr><td>Sr. No.</td><td>Name of Unit</td><td>Number</td><td>Capacity</td></tr>
<tr><td>1</td><td>Collection tank</td><td>1</td><td>5 KL</td></tr>
<tr><td>2</td><td>Neutralization</td><td>1</td><td>3 KL</td></tr>
<tr><td>3</td><td>Primary settling tank</td><td>1</td><td>5 KL</td></tr>
<tr><td>4</td><td>Final collection tank</td><td>1</td><td>10 KL</td></tr>
<tr><td>5</td><td>Sludge drying bed</td><td>1</td><td>---</td></tr>
<tr><td>6.</td><td>Evaporator</td><td>1</td><td>300 Lit/Hr</td></tr>
</table>
</td></tr>
<tr><td rowspan="2">Mode of Disposal & Final meeting point</td><td>Industrial:
At present unit has proposed to achieve zero discharge by evaporating effluent completely and in future we will become member of “Chhatral Environment Management System Pvt. Ltd.” for Spray drying of our effluent.</td></tr>
<tr><td>Domestic: Soak Pit/Septic Tank System</td></tr>
<tr><td>Reuse/Recycle details</td><td>---</td></tr>
<tr><td>Hazardous waste</td><td>
<table>
<tr><th>Type of Waste with Category No.</th><th>Qty. (MT/ Year)</th></tr>
<tr><td>ETP Waste/ Evaporation Residue</td><td>2.5</td></tr>
<tr><td>Used Oil</td><td>0.05</td></tr>
<tr><td>Discarded Containers (Bag, Barrel, Drum)</td><td>2.0</td></tr>
</table>
</td></tr>
<tr><td>Flue gas generation from</td><td>Boiler – 0.8 TPH</td></tr>
<tr><td>Fuel consumption & APCM</td><td>Agro Waste/ Bio Coal 1 MT/day
APCM : Multi Cyclone Dust Collector</td></tr>
<tr><td>Process gas emission</td><td>Alkali scrubber with Sulphonation vessel for control of SO2 gas</td></tr>
</table>

Observations/Discussions:
Technical presentation made during the meeting by project proponent. During the meeting, considering that Nilkanth Industrial estate is a private estate and basically not a chemical estate where drainage facilities, common environmental infrastructural facilities and effluent disposal facilities exist, the committee was of the view that such Dyes manufacturing unit having remarkable quantity of industrial effluent generation should not be allowed in such private estates. On asking about the reason for selecting the site for proposed project, PP could not reply satisfactorily. During the meeting, the project proponent was advised to select another location in any of the suitable chemical estates. Considering the above facts, it was unanimously decided to consider the project for TOR/Scoping only after submission of Revised proposal with suitable location.

MINING PROJECTS

23. M/S Rajesh Shardulbha Ker,(Lease Area 04.2319 Ha), S.No: 18p,Vill: Mojap, Ta: Okhamandal, Dist: Devbhumi Dwarka, Gujarat. (Proposal NO: SIA/GJ/MIN/50188/2016).

M/S Rajesh Shardulbha Ker,(Lease Area 04.2319 Ha), S.No: 18p,Vill: Mojap, Ta: Okhamandal, Dist: Devbhumi Dwarka, Gujarat (Herein after Project Proponent(PP))has applied for Environmental Clearance for their **natural Pozzolanik Clay and Marl mine** located at S.No: 18,Vill: Mojap, Ta: Okhamandal, Dist: Jamnagar, Gujarat**.**
The mine lease area is 04.2319 Ha and proposed rate of mining is 81000 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.
The technical presentation of the project included introduction & backgroung of the company, site location, google image of site & surrounding, details of lease, land use of lease area, reserve, production, quantity of OB & waste, mining method, water requirement, important features surrounding the mine, etc.
After detailed deliberation, considering the scale of project, it was categorized as B2 and following additional information was sought for appriasal of the project.
1. Project site specific details such as distance of the project site from the nearest (1) Village (2)Water Body : River / 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 / Protected Forest. A map indicating the aerial distance of the lease area from these entities.
2. Copies of all requisite permissions including permissions from District Collector, Commissioner, Geology & Mining, Indian Bureau of Mines, GPCB, renewal status of mining lease from Department of Industries and Mines, Governemnt of Gujarat etc.
3. Land use plan of the mine lease area should be prepared to encompass pre-operational,operational and post operational phases.
4. Approved mining plan including progressive mine closure plan.
5. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garlanddrains for arresting run off from the overburden / reject dumps. Specific measures to ensurethat contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
6. Technical justification for no requirement of blasting. Notarized undertaking stating that no blasting shall be carried out for entire period of mining.
7. Impact due to fugitive emissions including that because of transportation activities and the mitigation measures thereof need to be elaborated.
8. Dust suppression measures & control measures at worker level & proposed PPE to workers.
9. Detailed overburden and mine rejects management plan.
10. Detailed write up and drawing of mine closure plan. Water reservoirs to be constructed afterclosure of mine should be in proper shape and having proper fencing.
11. Details on back filling system of the exhausted mine. Details on compaction of back filling layer.
12. The reclamation plan, post mine land use and progressive green belt development plan along with year wise financial outlay shall be included.
13. The water requirement for the project along with the source and availability as well as necessary

permissions from the competent authority for drawl of groundwater, if any.
14. Details of the water conservation measures proposed to be adopted in the project should be highlighted.
15. Information on site elevation, working depth, ground water table should be provided. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
16. Check list of flora and fauna in the study area and impacts of the project on the same along with mitigation measures.
17. Occupational health impact of the project especially during manual operations in the work area and the mitigation measures proposed along with the commitment of the project proponent for implementation of the mitigation measures.
18. Plan for periodic medical examination of the mine workers.
19. Details of the basic amenities, infrastructure facilities, PPEs etc. to be provided to the mine workers.
20. Detailed Mitigation Plan and the Environmental Management Plan with respect to all likely impacts of the project activities. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
21. An action plan showing list of the activities along with the fund allocation shall be submitted based on the socio-economic profile of the surrounding villages and need base field assessment.
22. Details regarding existing green belt development activity carried out during past years. A detailed future greenbelt development plan including type of species, number of trees, budgetary allocation, etc.
23. Details of fencing, tree plantation done in the existing mined area.
24. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
25. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed. (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.
26. 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.
27. 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.
The project shall be appraised after submission of above cited additional details.

24. M/S Shree Hardasbhai Govindbhai Bhimbha,(Lease Area 04.0000 Ha), at Vill: Vadekhan,Ta: Upleta, Dist: Rajkot,Gujarat. (Proposal NO: SIA/GJ/MIN/50472/2016).

M/S Shree Hardasbhai Govindbhai Bhimbha,(Lease Area 04.0000 Ha), at Vill: Vadekhan,Ta: Upleta, Dist: Rajkot,Gujarat (Herein after Project Proponent(PP))has applied for Environmental Clearance for their Limestone mine located at Vill: Vadekhan,Ta: Upleta, Dist: Rajkot,Gujarat.
The mine lease area is 04.0000 Ha and proposed rate of mining is 144509 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.
The technical presentation of the project included introduction & backgroung of the company, site location, google image of site & surrounding, details of lease, land use of lease area, reserve,environmental settings, nearest village details,water requirements, mining details,EMP , Mining methid,green belt development etc.
After detailed deliberation, considering the scale of project, it was categorized as B2 and following additional information was sought for appriasal of the project.
1. Project site specific details such as distance of the project site from the nearest (1) Village (2)Water Body : River / 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 / Protected Forest. A map indicating the aerial distance of the lease area from these entities.
2. Copies of all requisite permissions including permissions from District Collector, Commissioner, Geology & Mining, Indian Bureau of Mines, GPCB, renewal status of mining lease from Department of

Industries and Mines, Governemnt of Gujarat etc.
3. Land use plan of the mine lease area should be prepared to encompass pre-operational,operational and post operational phases.
4. Approved mining plan including progressive mine closure plan.
5. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garlanddrains for arresting run off from the overburden / reject dumps. Specific measures to ensurethat contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
6. Technical justification for no requirement of blasting. Notarized undertaking stating that no blasting shall be carried out for entire period of mining.
7. Impact due to fugitive emissions including that because of transportation activities and the mitigation measures thereof need to be elaborated.
8. Dust suppression measures & control measures at worker level & proposed PPE to workers.
9. Detailed overburden and mine rejects management plan.
10. Detailed write up and drawing of mine closure plan. Water reservoirs to be constructed afterclosure of mine should be in proper shape and having proper fencing.
11. Details on back filling system of the exhausted mine. Details on compaction of back filling layer.
12. The reclamation plan, post mine land use and progressive green belt development plan along with year wise financial outlay shall be included.
13. The water requirement for the project along with the source and availability as well as necessary permissions from the competent authority for drawl of groundwater, if any.
14. Details of the water conservation measures proposed to be adopted in the project should be highlighted.
15. Information on site elevation, working depth, ground water table should be provided. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
16. Check list of flora and fauna in the study area and impacts of the project on the same along with mitigation measures.
17. Occupational health impact of the project especially during manual operations in the work area and the mitigation measures proposed along with the commitment of the project proponent for implementation of the mitigation measures.
18. Plan for periodic medical examination of the mine workers.
19. Details of the basic amenities, infrastructure facilities, PPEs etc. to be provided to the mine workers.
20. Detailed Mitigation Plan and the Environmental Management Plan with respect to all likely impacts of the project activities. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
21. An action plan showing list of the activities along with the fund allocation shall be submitted based on the socio-economic profile of the surrounding villages and need base field assessment.
22. Details regarding existing green belt development activity carried out during past years. A detailed future greenbelt development plan including type of species, number of trees, budgetary allocation, etc.
23. Details of fencing, tree plantation done in the existing mined area.
24. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
25. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed. (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.
26. 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.
27. 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.
The project shall be appraised after submission of above cited additional details.

25. M/S Smt. Ramilaben Parbatbhai Baria,(Lease Area 04.0000 Ha), at Vill: Tanasava,Ta: Upleta, Dist: Rajkot,Gujarat. (Proposal NO: SIA/GJ/MIN/50473/2016).

M/S Smt. Ramilaben Parbatbhai Baria,(Lease Area 04.0000 Ha), at Vill: Tanasava,Ta: Upleta, Dist: Rajkot,Gujarat. (Lease Area 04.0000 Ha), (Herein after Project Proponent(PP))has applied for Environmental Clearance for their Limestone mine located at Vill: Tanasava,Ta: Upleta, Dist: Rajkot,Gujarat

The mine lease area is 04.0000 Ha and proposed rate of mining is 52875 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.

The technical presentation of the project included introduction & backgroung of the company, site location, google image of site & surrounding, details of lease, land use of lease area, reserve,environmental settings, nearest village details,water requirements, mining details,EMP , Mining methid,green belt development etc.

After detailed deliberation, considering the scale of project, it was categorized as B2 and following additional information was sought for appriasal of the project.

1. Project site specific details such as distance of the project site from the nearest (1) Village (2)Water Body : River / 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 / Protected Forest. A map indicating the aerial distance of the lease area from these entities.
2. Copies of all requisite permissions including permissions from District Collector, Commissioner, Geology & Mining, Indian Bureau of Mines, GPCB, renewal status of mining lease from Department of Industries and Mines, Governemnt of Gujarat etc.
3. Land use plan of the mine lease area should be prepared to encompass pre-operational,operational and post operational phases.
4. Approved mining plan including progressive mine closure plan.
5. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garlanddrains for arresting run off from the overburden / reject dumps. Specific measures to ensurethat contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
6. Technical justification for no requirement of blasting. Notarized undertaking stating that no blasting shall be carried out for entire period of mining.
7. Impact due to fugitive emissions including that because of transportation activities and the mitigation measures thereof need to be elaborated.
8. Dust suppression measures & control measures at worker level & proposed PPE to workers.
9. Detailed overburden and mine rejects management plan.
10. Detailed write up and drawing of mine closure plan. Water reservoirs to be constructed afterclosure of mine should be in proper shape and having proper fencing.
11. Details on back filling system of the exhausted mine. Details on compaction of back filling layer.
12. The reclamation plan, post mine land use and progressive green belt development plan along with year wise financial outlay shall be included.
13. The water requirement for the project along with the source and availability as well as necessary permissions from the competent authority for drawl of groundwater, if any.
14. Details of the water conservation measures proposed to be adopted in the project should be highlighted.
15. Information on site elevation, working depth, ground water table should be provided. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
16. Check list of flora and fauna in the study area and impacts of the project on the same along with mitigation measures.
17. Occupational health impact of the project especially during manual operations in the work area and the mitigation measures proposed along with the commitment of the project proponent for implementation of the mitigation measures.
18. Plan for periodic medical examination of the mine workers.
19. Details of the basic amenities, infrastructure facilities, PPEs etc. to be provided to the mine workers.
20. Detailed Mitigation Plan and the Environmental Management Plan with respect to all likely impacts of the project activities. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
21. An action plan showing list of the activities along with the fund allocation shall be submitted based on the socio-economic profile of the surrounding villages and need base field assessment.

22. Details regarding existing green belt development activity carried out during past years. A detailed future greenbelt development plan including type of species, number of trees, budgetary allocation, etc.
23. Details of fencing, tree plantation done in the existing mined area.
24. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
25. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed. (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.
26. 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.
27. 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.
The project shall be appraised after submission of above cited additional details.

26. MINOR MINERAL PROJECT

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	District	Hectare	Rate of mining	Name of Mineral	Nearest Habitation	Proposal use
26	SIA/GJ/MIN/49406/2016	Adityana Chalk Mines, P dattani & Co.	190/42(p), Old SNO: 190/39 (Govt.Waste Land)	Vill:Adityana, Ta: Ranavav	Porbandar	17.8063 Ha(New)	5598 MTPA	Chalk	Adityana: 3 Km	Rubber ind.,Paint ind., and Putty making units.

Shri P.Dattani, PP for the above proposal remained present and made presentation before the Committee.He informed that mining will open cast minig.Crude chalk excavated from the mine will be levigated andwill be transported to purchaser's site. overburden and inter burden will be back filled.domestic About 10 KLPD water will be used and it will be sourced from flooded mined out pits and open well located outside the mine site. 9 KLPD will be used for chalk levigation and 0.1 KLPD will be used for domestic purpose.0.9 KLPD will be ued for sprinkling purpose to curd fugitive emission.Levigation reject will be in solid form and back filled in mined out pit. Sewage will be disposed off to soak pit. There is no stream pasing through the site. Excavated pit will be used for rain water collection.PP informed that green belt will be developed along the periphery of mine and backfilled area.About 500 nos. of plants will be planted during mine life in consultation with local forest office and as per CPCB guideline. IT is mentioned by the PP that there is no forest land involved in the lease area and CRZ Notification 2011 is not applicable to them. There will be no blasting and it will be an open cast mining. There will be no intersection of ground water. Catch drains, garland drain will be provided around the excavated pit area.Water sprinkling wil be done on haul roads. After completion of mining, pit will be reclaimed as reservoir and fencing will be provided in the periphery of the mined out pit. Approved mining plan is submitted. Lease is renewed for 20 years from 19.03.2007.Barda wild life sanctuary is 4.6 km.
During meeting, committee noticed that Barda Wildlife Sanctuary is located at 4.60 km and Chalk accumulation is observed within and outside the proposed lease area and hence asked PP to submit

(1) No Objection Certificate of the Forest department to carry out mining in the aforesaid lease area

(2) Details regarding formation of cluster for homogeneous mineral (Chalk) within 500 meter radius

from the outer periphery of the lease area duly authenticated by the district geologist.

Upon submission of the aforesaid details, committee unanimously decided to take up the proposal No: SIA/GJ/MIN/49406/2016 for further consideration in one of the upcoming SEAC meeting.

27.M/S Saurashtra Calcine Bauxite & Allied Industries,(Lease Area 05.2700 Ha), at S NO: 403P,Vill: Ran,Ta: Kalyanpur, Dist: Devbhumi Dwarka,Gujarat. (Proposal NO: SIA/GJ/MIN/51511/2016).

M/S Saurashtra Calcine Bauxite & Allied Industries,(Lease Area 05.2700 Ha), at S NO: 403P,Vill: Ran,Ta: Kalyanpur, Dist: Devbhumi Dwarka,Gujarat (Herein after Project Proponent(PP))has applied for Environmental Clearance for their Bauxite mine located at S NO: 403P,Vill: Ran,Ta: Kalyanpur, Dist: Devbhumi Dwarka,Gujarat.

The mine lease area is 05.2700 Ha and proposed rate of mining is 2,66,612 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.

The technical presentation of the project included details of project, environmental settings, location map,google images of the proposed site, Mining details, wter requirements, Mining method, EMP green belt development details and proposed CSR activities.

After detailed deliberation, considering the scale of project, it was categorized as B2 and following additional information was sought for appriasal of the project.

1. Project site specific details such as distance of the project site from the nearest (1) Village (2)Water Body : River / 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 / Protected Forest. A map indicating the aerial distance of the lease area from these entities.
2. Copies of all requisite permissions including permissions from District Collector, Commissioner, Geology & Mining, Indian Bureau of Mines, GPCB, renewal status of mining lease from Department of Industries and Mines, Governemnt of Gujarat etc.
3. Land use plan of the mine lease area should be prepared to encompass pre-operational,operational and post operational phases.
4. Approved mining plan including progressive mine closure plan.
5. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garlanddrains for arresting run off from the overburden / reject dumps. Specific measures to ensurethat contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
6. Technical justification for no requirement of blasting. Notarized undertaking stating that no blasting shall be carried out for entire period of mining.
7. Impact due to fugitive emissions including that because of transportation activities and the mitigation measures thereof need to be elaborated.
8. Dust suppression measures & control measures at worker level & proposed PPE to workers.
9. Detailed overburden and mine rejects management plan.
10. Detailed write up and drawing of mine closure plan. Water reservoirs to be constructed afterclosure of mine should be in proper shape and having proper fencing.
11. Details on back filling system of the exhausted mine. Details on compaction of back filling layer.
12. The reclamation plan, post mine land use and progressive green belt development plan along with year wise financial outlay shall be included.
13. The water requirement for the project along with the source and availability as well as necessary permissions from the competent authority for drawl of groundwater, if any.
14. Details of the water conservation measures proposed to be adopted in the project should be highlighted.
15. Information on site elevation, working depth, ground water table should be provided. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
16. Check list of flora and fauna in the study area and impacts of the project on the same along with mitigation measures.
17. Occupational health impact of the project especially during manual operations in the work area and the mitigation measures proposed along with the commitment of the project proponent for implementation of the mitigation measures.
18. Plan for periodic medical examination of the mine workers.

19. Details of the basic amenities, infrastructure facilities, PPEs etc. to be provided to the mine workers.
20. Detailed Mitigation Plan and the Environmental Management Plan with respect to all likely impacts of the project activities. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
21. An action plan showing list of the activities along with the fund allocation shall be submitted based on the socio-economic profile of the surrounding villages and need base field assessment.
22. Details regarding existing green belt development activity carried out during past years. A detailed future greenbelt development plan including type of species, number of trees, budgetary allocation, etc.
23. Details of fencing, tree plantation done in the existing mined area.
24. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
25. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed. (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.
26. 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.
27. 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.
The project shall be appraised after submission of above cited additional details.

28. Hardasbhai Karshanbhai Ambaliya, SNO: 80(P), Navdra, Ta:Kalyanpur,Dist: Devbhumi Dwarka

The project proponent remained absent and hence presentation for the proposal could not be made before the committee. Hence committee decided to consider the proposal in one of the upcoming SEAC meeting.

ADDITIONAL AGENDA

1.0 Kanaiya Industries(Hadmatiya Bauxite Mine), S NO: 121/P, (Area: 24 Ha), Village: Hadmatiya, Ta: Kalyanpur, Dist: Jamnagar

The above proposal was considered in the SEAC meeting held on 27/05/2016 and additional information was sought. It is an existing Bauxite mine at S NO: 121/P,Vill: Hadmatiya, Ta: Kalyanpur, Dist:Devbhoomi Dwarka.The lease was originally issued in year 1979-80 to M/s Western Abrasive Industries Pvt. Limited which was transferred to M/S Kanaiya Industries in 1997. Project proponent applied for Environmental clearance on 17-06-2013 and TOR was issued on 25-09-2014.Public hearing was conducted on 17-02-2015.Final EIA report was submitted by the project proponent on 24/02/2015.Project proponents were called for presentation on 27-05-2015 for appraisal.
During SEAC meeting held on 27/05/2015, after detailed deliberation,committee asked project proponent to submit the following details:
(1) Satellite image showing exact aerial distance of the nearest house from periphery of the lease area of the project.
(2) Resolution passed by Shree Hadmatiya Gram Panchayat showing no objection of villagers for coming up of this project.
(3) A time bound action plan addressing all the issues which were raised during public hearing shall be submitted including all the commitments assured by the project proponent.
Project proponent submitted aforesaid additional information on **20/01/2016** as under.

1. Letter of Geologist bearing reference no: DEV-ML-15/1891 dtd 17-012-2015 is submitted stating that during field inspection it is found that a house in orchard is located at 507 m distance from mining lease area which is closed and in dilapidated condition. Further it is mentioned that lease area is located at 507 m away from Gamtal and another house is also located at 501m. A house located in orchard at 301 m from the mining lease is also in dilapidated condition and nobody resides in the

house.

2. Project proponent has submitted No Objection Certificate dated 28/12/2015 from the office of Shri Hadmatiya Gram Panchayat stating that they have no objection for the bauxite mining activity of Kanaiya Industries , S NO: 121/p, Village: Hadmatiya, Ta: Kalyanpur, Dist: Jamnagar.

3. Project proponent has submitted a time bound action plan addressing issues which were raised during public hearing alongwith all the commitments assured by the project proponent.

After deliberation on reply of the additional information, Committee noticed that project proponent has not submitted the current lease status and hence asked project proponent to submit the following details.

1. Current status of renewal of lease area with requisite letter from the Department of Industries and Mine, Government of Gujarat.

Committee decided to consider the above proposal for further decision in one of the upcoming SEAC meeting upon submission of the said details by the project proponent.
PP submitted the aforesaid details on 23/03/2016.During SEAC meeting held on **13/04/2016**, after deliberation, it was unanimously decided to recommend for grant of Environmental Clearance to SEIAA subject to the strict implementation of following project specific conditions.

1. Project proponent shall comply all the measures suggested in final EIA report including anticipated environmental impacts and mitigation measures in a letter and spirit.
2. Project proponent shall comply all the measures, conditions suggested in the approved mining plan in a letter and spirit.
3. Project proponent shall comply all the rules mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time vide notification of Ministry of Corporate affairs dated 27th February, 2014 in a letter and spirit.

2.0 Mamuara White clay/ China Clay Mine, (Lease Area: 11.89 Ha.), (20 Microns Limited), S NO: 483/P, Village Mamuara, Taluka: Bhuj, Dist: Kutch.

The project proponent has applied for White clay / China clay located at Survey No:483/P, Village: Mamuara, Ta:Bhuj, Dist:Kutch vide application in Form I. The proposal was scheduled in the SEAC meeting on 27.05.2015 for appraisal. During meeting, project proponent was asked additional information which was replied by PP on 25.08.2015. Considering the reply,the committee further sought following details during SEAC meeting held on 15 Dec 2015:

1. Nearest aerial distance of the human habitation from the outer periphery of the lease area duly authenticated by the district geologist.
2. Compliance details of conditions prescribed in mining lease duly authenticated by office of Geology and Mining, Dist: Kutch showing current status of renewal of lease.
3. Copy of approved mining plan.
4. Submission of medical report for the last three years regarding workers health checks including Pulminary diagnosis function (PFD) details.

Project proponent submitted reply on 26 February 2016. Reply of the PP did not include information regarding (1) Nearest aerial distance of the human habitation from the outer periphery of the lease area duly authenticated by the district geologist and (2) Compliance details of conditions prescribed in mining lease duly authenticated by office of Geology and Mining, Dist: Kutch showing current status of renewal of lease and hence it was decided to consider the proposal only after complete submission of the additional information sought during SEAC meeting
On 28/03/2016, PP submitted letter of Geologist, Dist: Bhuj (Kutch) stating that
(1) The nearest human habitation from the outer periphery of the proposed lease is 460 meter.
(2) Based on renewal application of lease submitted by lease holder on 10/08/2000 and positive

recommendations received by the office of Geology and Mining, Dist: Kutch, renewal of the proposed lease is recommended to the under secretary by the office of Geology and Mining, Dist: Kutch.

PP also mentioned to leave adequate distance towards the lease area so as to maintain more than 500 meter distance from the nearest human habitation.After deliberation Committee noticed that the proposal is located within 500 meter distance from the nearest human habitation which cannot be allowed. Committee also noticed that request of the PP to keep more than 500 meter distance from the nearest human habitation by reducing lease area. In view of this, committee asked PP to resubmit approved mining plan and revised lease area approved from the competent authority in order to maintain the nearest aerial human habitation distance more than 500 meter from the outer periphery of the lease. After deliberation, committee decided to close the proposal till revised submission of the aforesaid details.

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

1. River Palace, Block No:435(435+436), Nr Ramji Temple, Moje-Tapi, Vyara, Dist-Tapi.

The following project proponents were called for presentation & discussion in the meetings of SEAC for two times and they did not remain present during both these meetings of SEAC. It was decided to delist the proposals from the list of applications pending with SEAC and to close the files of these proposals.

1. Rudraraaj (Nakshatra Galaxia), Block No.79/1+2, Sub Division No.2, Moje-Vanakala, Ta:Choryasi, Surat.
2. New Baroda Prestige(Atyanta Developers), T.P.S NO. -03 (Karanj), R.S. No:-27 (p-1,2,3,4), O.P No: -19, F.P No; 72, Vill -Karanj, Tal: Choryasi, Dist Surat.

The additional information received from the project proponents, which was sought during various SEAC meetings for granting Environmental Clearance to the projects. The said submissions by the project proponents were considered by the committee during the meeting and as it was found satisfactory, the committee decided to recommend the following projects for grant of environmental clearance.

Sr. No.	Name and address of the project.
1.	Celestial Dreams, R.S.No.140/1 to 8, F.P.No.3, T.P.S.No.5 (Vesu Bhimrad), At: Vesu, Ta: Choryasi, Dist: Surat.
2.	East Ebony, Survey No: 208, 209, 210/2 F.P. No: 96+278, T.P.S No: 50 (Bodakdev), Daskroi, Ahmedabad.
3.	Sapphire 8, at B.No.57/1+69+90, O.P.No.25/1+40/1 +40/2, F.P.No.34+58+59,Parvat - Magob, T.P.S.No.19, Ta: Choryasi, Dist:Surat
4.	Building construction project by M/s Gala Safal Developers, Block Number 699, 750, 738/b, F.P. No: 157 + 193/2 + 199/p, Draft TPS No: 3, Ghuma, Tehsil: Daskroi, District : Ahmedabad.
5.	Building construction project by Mr. Mohanbhai Munjani, R.S.No.9, O.P.No.14, F.P.No.78, T.P.S.No.31, Adajan, Surat.
6.	M/s. Nira Life Sciences Pvt. Ltd., Plot no:6-9,Bamanbore GIDC-Bamanbore, Chotila, Dist.: Surendranagar.
7.	Alkyl Amines Chemicals Limited, D2/CH/149/2, GIDC Dahej, Phase-II, Dahej, Ta.: Vagra, Dist.: Bharuch.
8.	Aarti Drugs Ltd., Plot No: 2902, 2904, 2601,2602,2603, 2604, 2605, 2509, GIDC-Sarigam,

	Ta.: Umbergam, Dist.: Valsad.
9.	Kantam Pharmachem Plot No. 3203, Phase III, GIDC- Chhatral, Ta.: Kalol, Dist: Gandhinagar.
10.	Jyoti Resins & Adhesives Ltd. S.no.873, Opp. Anand Health Care, Ranchhod pura Road, Vill.: Santej, Ta.: Kalol, Dist.: Gandhinagar
11.	Sachin Udhyognagar Sahakari Mandli Ltd. Block No:C-11,C-13,C-15,C-24 (Subpart 28 to 35),Sachin, Choryasi, Surat
12.	Bhagwati Industries, Plot No:3522 to 3524 & 3531, Phase-IV, GIDC Chhatral, Ta: Kalol, Dist: Gandhinagar

Meeting ended with thanks to the Chair and the Members.

Minutes approved by:

1.	Shri T. P. Singh, Chairman, SEAC	
2.	Shri V. C. Soni, Vice Chairman, SEAC.	
3.	Shri R. J. Shah, Member, SEAC.	
4.	Dr. V. K. Jain, Member, SEAC.	
5.	Shri R. I. Shah, Member, SEAC.	
6.	Shri V. N. Patel, Member, SEAC.	
7.	Shri Hardik Shah, Secretary, SEAC.	