

Minutes of the 306th meeting of the State Level Expert Appraisal Committee held on 21/09/2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar.

The 306th meeting of the State Level Expert Appraisal Committee (SEAC) was held on 21st September, 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. *Dr. Mayuri Pandya, Member, SEAC*
6. *Shri Rajesh I Shah, Secretary, SEAC.*

The agenda of TOR/Scoping/Category 8 (a) cases and appraisal cases was taken up. Eleven cases (11) of TOR/Scoping/Category 8 (a), and nine (9) appraisal cases i.e total 20 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-1A, EIA report and other reports.

1.	Times Square Arcade-2	F. P. No. - 358, T. P. S. No. - 50, Bodakdev , Ahmedabad.	Screening & Scoping
<p>Proposal No. SIA/GJ/NCP/58099/2016</p> <p>The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.</p>			
2.	Parshwanath Shrine	Survey No. 38+55/P, O.P. No. 53+80/P, F.P. No. 53+80/P, Sub Plot No. 1, T.P.S. No. 76/B, Chandkheda, Tal.: Dascroi, Ahmedabad	Screening & Scoping
<p>Proposal No. SIA/GJ/NCP/58280/2016</p> <p>The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.</p>			
3.	Parshwanath Divine	Survey No. 187/1, 187/2, 206 & 207, O.P. No. 343/1, F.P. No. 343/1/1, T.P.S. No. 410 (Amiyapur-Zundal-Sughad), Sughad, Gandhinagar	Screening & Scoping
<p>Proposal No. SIA/GJ/NCP/58294/2016</p> <p>The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.</p>			
4.	Silver Brook	F.P No. 195, O.P. No. 195, Survey No. 324, Draft TPS No. 217, (Shilaj, Thaltej, Hebatpur,	Screening & Scoping

		Sola, Bhadaj), Vill. Shilaj, Ta. Ghatlodiya, Dist. Ahmedabad.	
Proposal No. SIA/GJ/NCP/58299/2016			
The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.			
5	Praharsh Bluebell	Survey No. 728, 730, F.P.No.183, 185, Ghuma, Tehsil: Daskroi, District: Ahmedabad	Screening & Scoping

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

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project[SIA/GJ/NCP/58321/2016]															
2.	Type of Project	Proposed Residential with essential shops															
3.	Project/Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Residential scheme developed by D. R. Infrastructure															
5.	Name of Developer	D. R. Infrastructure															
6.	Estimated Project Cost (Rs. In Crores)	120 crore															
7.	Whether construction work has been initiated at site? If yes, details thereof.	No, construction work has not been started.															
8.	Project Details	<ul style="list-style-type: none"> Land /Plot Area (m²): 8,741.0 FSI area (m²):23,600.70 Total BUA (m²):48,393.35 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>23,600.7</td> <td>23,600.70</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>3,165</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>--</td> <td>931.17</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>44.94</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	23,600.7	23,600.70	Ground Coverage (m ²)	---	3,165	Common Plot Area (m ²)	--	931.17	Max. building height (m)	--	44.94
	Permissible	Proposed															
FSI Area (m ²)	23,600.7	23,600.70															
Ground Coverage (m ²)	---	3,165															
Common Plot Area (m ²)	--	931.17															
Max. building height (m)	--	44.94															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:5 No. of Blocks: 5 Scope of buildings/blocks: 2 level basements + ground floor (parking & shops) + 14 floors. No.& size of Residential Units:259 flats No. & type of Commercial Units: 62 shops + 1 club house. 															
10.	No. of expected residents / users	1150 users including residential And floating population															
11.	Water & waste	<ul style="list-style-type: none"> Water requirement (KL/day): 30.0 															

	water details during construction phase	<ul style="list-style-type: none"> • Source of water: Water supply from Ahmedabad Urban Development Authority (AUDA). • Waste water generation quantity (KL/day): 2.7 • Mode of disposal: Soak pit • Details of reuse of water, if any: N.A. 										
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 150.0 • Source of water: Water supply from Ahmedabad Urban Development Authority (AUDA). • Waste water generation quantity (KL/day): 129.6 • Mode of disposal: Into drainage line of Ahmedabad Urban Development Authority (AUDA). 										
13.	Status of water supply and drainage line	Water supply & drainage line will be provided by AUDA.										
14.	Solid waste Management	<p>Operation Phase:</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>Dry waste</td> <td>338.7</td> <td rowspan="2">Into bins to be provided within premises.</td> <td rowspan="2">Collection & final disposal by AUDA at the nearest MSW collection site of AMC / AUDA.</td> </tr> <tr> <td>Wet waste</td> <td>225.8</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No. • Capacity and no. of community bins to be placed within premises: Total 55 bins with 80 lit capacities will be provided for residential and commercial units. • Landfill site where waste will be ultimately disposed by local authority: Collection & final disposal by AUDA at the nearest MSW collection site of AMC / AUDA. 	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal /Reuse	Dry waste	338.7	Into bins to be provided within premises.	Collection & final disposal by AUDA at the nearest MSW collection site of AMC / AUDA.	Wet waste	225.8
Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal /Reuse									
Dry waste	338.7	Into bins to be provided within premises.	Collection & final disposal by AUDA at the nearest MSW collection site of AMC / AUDA.									
Wet waste	225.8											
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 5,447.50 m². • Parking area requirement for residential units as per GDCR: 4,235.0 m². • Parking area requirement for Commercial units as per GDCR: 1,212.50 m². • Total number of CPS requirement for the project as per NBC:318 CPS • Number of CPS requirement for residential units as per NBC: 259 CPS • Number of CPS requirement for commercial units as per NBC: 59 CPS • Total Parking area provided (m²) & No. of CPS:12,831.48 m² & 405 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:944.13 m² & 34 CPS • Parking area provided (Basement) (m²) & No. of CPS:11,887.35 										

		m ² & 371 CPS																														
16.	Traffic Management	<ul style="list-style-type: none"> Width of adjacent public roads: Site is accessible by 45m wide approach road. Number of Entry & Exit provided on approach road/s: One gate will be provided. 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): 5 m Width of all internal roads:9.0 m 																														
17.	Details of Green Building measures proposed.	Use of fly ash/PPC in concrete, paving blocks & other cement applications, use of lead free paint & enamels, provision of CFL/LED lights, maximum use of natural light through architectural design, rain water harvesting through ground water recharge by providing 2 nos. of percolation wells etc.																														
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand:1500 KW Connected load:1500 KW Source: Torrent Power Limited. Energy saving measures: provision of CFL/LED lights, maximum use of natural light through architectural design etc. DG Sets: No. and capacity of the DG sets:2 x 120 KVA Fuel & its quantity:HSD-45 lit/hr. 																														
19.	Fire and Life Safety Measures	<p>Underground water tank of 100 KL & terrace tank of 20 KL on each building, fire extinguishers, fire alarm in each building, provision of hose reels, external hydrants and wet risers, pumping arrangement, system-riser with pressure pump, availability of all necessary information like police control room, medical facilities/ hospital contacts and ambulance at security guard room etc.</p> <p>The nearest fire station is Thaltej fire station which is at a distance of 8.3 km from the project site and a fire tender will take about 15 minutes to reach the project site.</p>																														
20.	<p>Details on staircase:</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>Block A</td> <td>15.99 m</td> <td>1</td> <td>2.10</td> <td>2</td> </tr> <tr> <td>Block B</td> <td>15.99 m</td> <td>1</td> <td>2.10</td> <td>2</td> </tr> <tr> <td>Block C</td> <td>17.42 m</td> <td>1</td> <td>2.10</td> <td>2</td> </tr> <tr> <td>Block D</td> <td>15.99 m</td> <td>1</td> <td>2.10</td> <td>2</td> </tr> <tr> <td>Block E</td> <td>15.99 m</td> <td>1</td> <td>2.10</td> <td>2</td> </tr> </tbody> </table>		Type of block	Distance of stair case from the farthest corner	Number of Stair case	Width of Stair case in m	No. of Lifts	Block A	15.99 m	1	2.10	2	Block B	15.99 m	1	2.10	2	Block C	17.42 m	1	2.10	2	Block D	15.99 m	1	2.10	2	Block E	15.99 m	1	2.10	2
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Block D	15.99 m	1	2.10	2																												
Block E	15.99 m	1	2.10	2																												
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table:70 m BGL No. & dimensions of RWH tank(s):- No. and depth of percolations wells:3 nos. of percolating wells. Details on Pre-treatment facilities:-- 																														
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²):500.0 Area covered by shrubs and bushes (m²):-- Lawn covered area (m²):500.84 																														

		<ul style="list-style-type: none"> Total Green Area (m²):1,000.84 Green Area % of plot area:11.45% No. of trees and species to be planted:132
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 14.4 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 35.0 lacs and recurring cost of Rs. 4.0 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.
24.	Dust control measures	Water sprinkling, maintaining roads in good conditions & tree plantation 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.

During the meeting it was presented that as per the zoning certificate, obtained from AUDA, the project site falls in the Residential Affordable Housing Zone – (RAH -1) and maximum FSI of 2.7 is available to the projects in the RAH-1 zone as per the revised GDCR. The project proponent was suggested to provide STP for treatment of sewage to be generated during the operation phase and to reuse it within premises. During the meeting, after detailed discussion, it was decided to consider the project only after submission of the following:

1. Document showing ownership of the proposed project site by the project proponent.
2. 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.
3. Building wise & floor wise floor area details / table.
4. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time, other technical parameters etc. along with the budget allocation for its installation, operation & maintenance. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan, STP sludge management plan etc.
5. Details on solar energy utilization for the proposed project.

6	Times Luxuria	O.P No.-59, F.P No.59/A Paikee 59/A/P, Block No.248+260 +261+264/1 Paikee Sub Plot No.-2, Paikee Sub Div. No.-6, T.P.S No.75 (Vesu-Magadalla-Gaviar), Vesu, Surat	Screening & Scoping
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Details of the proposed project as presented before the committee is tabulated below:

Sr. No.	Particulars	Details
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1.	Proposal is for	New Project [SIA/GJ/NCP/58387/2016]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Times Luxuria															
5.	Name of Developer	Mr. Sureshbhai Lallubhai Kotadiya															
6.	Estimated Project Cost (Rs. In Crores)	Rs.70 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 9,197.37 FSI area (m²): 20,554.16 Total BUA (m²): 32,512.35 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area(m²)</td> <td>20,694.08</td> <td>20,554.16</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>2,621.19</td> <td>2,181.48</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>920.15</td> <td>920.15</td> </tr> <tr> <td>Max. building height (m)</td> <td>45 m</td> <td>39.90m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area(m ²)	20,694.08	20,554.16	Ground Coverage (m ²)	2,621.19	2,181.48	Common Plot Area (m ²)	920.15	920.15	Max. building height (m)	45 m	39.90m
	Permissible	Proposed															
FSI Area(m ²)	20,694.08	20,554.16															
Ground Coverage (m ²)	2,621.19	2,181.48															
Common Plot Area (m ²)	920.15	920.15															
Max. building height (m)	45 m	39.90m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:4 No. of Blocks: 4 Scope of buildings/blocks: Basement + hollow plinth + 11 floors. No.& size of Residential Units:176 units No. & type of Commercial Units:--- Details of amenities if any: Club house and jogging track 															
10.	No. of expected residents / users	792															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):15.0 Source of water: water supply from Surat Municipal Corporation (SMC). Waste water generation quantity (KL/day):2.1 Mode of disposal: Into drainage line of SMC. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Water requirement (KL/day):115.0 Source of water: Water supply from Surat Municipal Corporation (SMC) Waste water generation quantity (KL/day): 89.0 Mode of disposal: Into drainage line of Surat Municipal Corporation (SMC) 															
13.	Status of water supply	Both drainage and water supply lines are available in the area.															

	and drainage line																															
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>919.37</td> <td>600</td> <td>600 m³ of excavated top soil will be utilized for greenbelt development.</td> </tr> <tr> <td>Other excavated earth</td> <td>18,175.04</td> <td>5,518.42</td> <td>319.37 m³ of top soil and 12,656.61 m³ of other excavated earth will be utilized for other projects after payment of necessary royalty if any.</td> </tr> <tr> <td>Construction debris</td> <td>15kg/day</td> <td rowspan="3">Nil</td> <td rowspan="3">Sold off to recyclers</td> </tr> <tr> <td>Steel scrap</td> <td>15kg/day</td> </tr> <tr> <td>Discarded packing materials</td> <td>6kg/day</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>Dry waste</td> <td>127.6 kg/day</td> <td rowspan="2">Into bins to be provided within premises.</td> <td rowspan="2">Disposal through door to door waste collection system of SMC.</td> </tr> <tr> <td>Wet waste</td> <td>150 kg/day</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: Solid waste segregation at source will be adopted and wet waste will be processed within premises using OWC. Recyclable material will be disposed as per the practice of SMC. • Capacity and no. of community bins to be placed within premises: 4 nos of bins having capacity of 35kg each for dry waste and 35 kg for wet waste will be provided to each building. • Landfill site where waste will be ultimately disposed by local authority: Khajod Disposal Site 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	919.37	600	600 m ³ of excavated top soil will be utilized for greenbelt development.	Other excavated earth	18,175.04	5,518.42	319.37 m ³ of top soil and 12,656.61 m ³ of other excavated earth will be utilized for other projects after payment of necessary royalty if any.	Construction debris	15kg/day	Nil	Sold off to recyclers	Steel scrap	15kg/day	Discarded packing materials	6kg/day	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	127.6 kg/day	Into bins to be provided within premises.	Disposal through door to door waste collection system of SMC.	Wet waste	150 kg/day
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15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,083.12 m² • Parking area requirement for residential units as per GDCR: 3,083.12 m² • Total number of CPS requirement for the project as per NBC : 176 • Number of CPS requirement for residential units as per NBC: 176 • Total Parking area provided (m²) & No. of CPS: 6,576.96 m² and 213 																														

		<p>CPS</p> <ul style="list-style-type: none"> • Parking area provided in basement (m²) & No. of CPS:4,801.45 m² and 150 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:1,775.51 m² and 63 CPS
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:18 m wide TP road • Number of Entry & Exit provided on approach road/s:3 gates will be provided • Width of Entry & Exit provided on approach road/s:7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation):5 m • Width of all internal roads: 7.5 m
17.	Details of Green Building measures proposed.	Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, maximum utilization of natural light, roof-top thermal insulation, LED lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 880 KW Connected load:900 KW Source: DGVCL • Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets:4 × 62.5 KVA Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used in case of power failure or fire emergency
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and can be easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • During the operation phase: Sprinkler per 6.9 m² area of basement, fire extinguishers on each floor & in the basement, wet riser opening at each floor, manually operated electric fire alarm system, hose reel, terrace water tanks of 15 KL capacity, underground water tank of 100 KL, smoke detectors etc. • Nearest fire station: Vesu fire station. Distance from project site: 4 km.

20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase	Travel distance (m)
	A to D (4)	B+H.P+11	467.14	2	1.50 m	Less than 15 m
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table:17 m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :3 • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :450 • Area covered by shrubs and bushes (m²):250 (included in lawn covered area) • Lawn covered area (m²):550 • Total Green Area (m²):1000 • Green Area % of plot area:10.87% • No. of trees and species to be planted:200 trees of local species. 				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Green belt development : 50 Lacs Drainage and rain water harvesting: 40 lacs Solar and energy saving: 30 lacs Total: 120 Lacs				
24.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed provided for cement unloading activity, temporary wind screen around project site, sprinkling of water on roads and in vicinity of storage area.				
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.				
26.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.				

During the meeting, it was presented that the project site is at a distance of 2.8 km from the bank of river Tapi. Details of the Organic Waste Converter (OWC) to be provided were also presented. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Document showing ownership of the proposed project site by the project proponent.
2. Status of availability of water supply & drainage connection to the project with authentic supporting documents.

7	Trinity	Block Number: 507/P + 528, O.P./F.P.No. 71+88, T.P.S.No. 03 (Kudasan - Koba), Kudasan, Gandhinagar	Screening & Scoping
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Details of the proposed project as presented before the committee are described below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/58403/2016]															
2.	Type of Project	Commercial Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Trinity															
5.	Name of Developer	Shree Developers															
6.	Estimated Project Cost (Rs. In Crores)	110 Crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 16,815 • FSI area (m²): 53,699.36 • Total BUA (m²):86,635.36 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area</td> <td>43,255.69</td> <td>53,699.36</td> </tr> <tr> <td>Ground Coverage</td> <td>NA</td> <td>7,271.67</td> </tr> <tr> <td>Common Plot Area</td> <td>1,681.5</td> <td>2,100.34</td> </tr> <tr> <td>Max. building height</td> <td>45</td> <td>45</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area	43,255.69	53,699.36	Ground Coverage	NA	7,271.67	Common Plot Area	1,681.5	2,100.34	Max. building height	45	45
	Permissible	Proposed															
FSI Area	43,255.69	53,699.36															
Ground Coverage	NA	7,271.67															
Common Plot Area	1,681.5	2,100.34															
Max. building height	45	45															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings:1 • No. of Blocks:1 • Scope of buildings/blocks: 2 level basement + ground floor + 11 floors. • No.& size of Residential Units: --- • No. & type of Commercial Units: 184 shops , 187 offices, multiplex(1068 seats) and restaurant (120 seats), 128 guest rooms and banquet hall (250 seats). • Details of amenities if any: --- 															
10.	No. of expected residents / users	3852 occupants and 500 visitors															
11.	Water & waste water details	<ul style="list-style-type: none"> • Water requirement (KL/day): 21.75 • Source of water: Water tankers 															

	during construction phase	<ul style="list-style-type: none"> Waste water generation quantity (KL/day): 5.73 Mode of disposal: septic tank Details of reuse of water, if any: No																				
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total water requirement (KL/day): 257.08 Fresh water requirement (KL/day): 114.56 Source of water: Water supply from Gandhinagar Urban Development Authority (GUDA) Waste water generation quantity (KL/day): 198.93 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises. Only remaining quantity of treated sewage will be discharged into the drainage line of GUDA. In case of STP provision, capacity of STP: Yes, 225 KL/day STP Technology: biological treatment Purposes for treated sewage utilization: Gardening and flushing Quantity of treated sewage to be reused: 1. Gardening (KL/day): 8.40 2. Flushing (KL/day): 134.12 Provision of dual plumbing system (Yes/No): yes Quantity and type (treated/untreated) of sewage to be discharged: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises. Only remaining quantity of treated sewage will be discharged into the drainage line of GUDA. Mode of disposal: as above. 																				
13.	Status of water supply and drainage line	Water supply & drainage connections will be provided by GUDA during the operation phase.																				
14.	Solid waste Management	Construction Phase: <table border="1" data-bbox="539 1308 1417 2011"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>5,500</td> <td>5,500</td> <td>Development of landscape area</td> </tr> <tr> <td>Other excavated earth</td> <td>1,04,500</td> <td>49,500 m³ will be used for back filling and raising plinth level.</td> <td>Balance earth will be used in other projects</td> </tr> <tr> <td>Construction debris</td> <td>800</td> <td>350 m³ will be used for development of internal road.</td> <td>Balance debris will be handed over to GUDA</td> </tr> <tr> <td>Steel scrap</td> <td>20</td> <td>0</td> <td>Will be sold to vendors</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	5,500	5,500	Development of landscape area	Other excavated earth	1,04,500	49,500 m ³ will be used for back filling and raising plinth level.	Balance earth will be used in other projects	Construction debris	800	350 m ³ will be used for development of internal road.	Balance debris will be handed over to GUDA	Steel scrap	20	0	Will be sold to vendors
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Construction debris	800	350 m ³ will be used for development of internal road.	Balance debris will be handed over to GUDA																			
Steel scrap	20	0	Will be sold to vendors																			

		Discarded packing materials	10	0	Will be sold to vendors
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	554.56	White bins	Will be sold to vendors
		Wet waste	831.84	Green Bins	Municipal bins
		STP Sludge	20	Green Bins	Municipal bins
		<ul style="list-style-type: none"> • Details of segregation if to be done: yes • Capacity and no. of community bins to be placed within premises: 15 kg and 30 number of community bins to be placed in common area. • Landfill site where waste will be ultimately disposed by local authority: nearby waste collection point of GUDA. 			
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 26,849.68 m² • Parking area requirement for Commercial units as per GDCR: 26,849.68 m² • Total number of CPS requirement for the project as per NBC :953 • Number of CPS requirement for commercial units as per NBC:708 • Number of CPS requirement as per NBC for Hotel : 64 CPS • Number of CPS requirement as per NBC for Restaurant : 74 CPS • Number of CPS requirement as per NBC for Multiplex : 107 CPS • Total Parking area provided (m²) & No. of CPS: 58,140 & 1846 CPS • Parking area provided in basement (m²) & No. of CPS: 27,820 & 869 CPS • Parking area provided as open surface (m²) & No. of CPS:2,500 &108 CPS • Parking area provided as mechanical parking in basement (m²) & No. of CPS: 27,820 m² & 869 CPS. 			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 12 m wide service road and 60 m wide road • Number of Entry & Exit provided on approach road/s: Two gates will be provided. • Width of Entry & Exit provided on approach road/s:7.5 m and 6.0 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5.0 m • Width of all internal roads: minimum 6.0 m 			
17.	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, maximum use of RMC & aerated blocks, use of LED lighting fixtures and low voltage lighting, solar water heaters, solar lighting in open and landscape areas- 20 numbers of solar lights, roof-top thermal insulation, water meters, rain water harvesting & ground water recharge through 5 nos. of			

		percolating wells etc.												
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> Power supply: Maximum demand: 3,500 KVA Connected load: 3,750 KVA Source: UGVCL % of saving with calculations: ~40% by use of LED lights, star rated energy efficient electronic consumer durables and solar lights. Compliance of the ECBC guidelines (Yes / No), if yes, compliance in tabular form: only roof area DG Sets: No. and capacity of the DG sets: 2 x 125 KVA Fuel & its quantity: HSD, 25 litre/hr 												
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> 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: Fire extinguishers, hose reel, manually operated electric fire alarm system, wet riser, automatic sprinkler system in entire building, underground static water storage tank-300 KL capacity, terrace tank -60 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm² at terrace level etc. 												
20.	Details on staircase													
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Type & no. of buildings	No. of floors	Floor area m ²	No. of staircase	Width of the staircase (m)	Travel distance (m)									
Commercial	2 B+G + 11	5,023.67	6	2.0	35									
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table: 25 m No. & dimensions of RWH tank(s) : 5 nos and 2.5m X 2.0 m X 3.0 m No. and depth of percolations wells : 5 nos and 20 m Details on Pre-treatment facilities : oil and grease removal and filter. 												
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²) :800 Area covered by shrubs and bushes (m²):400.34 Lawn covered area (m²):900 Total Green Area (m²):2,100.34 Green Area % of plot area: 12% No. of trees and species to be planted: 253 number of trees of Limbdo, Kaado Siris, Jambu, Asopalav, Desi Badam 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. 40.5 lacs & Rs.9.5 lacs as capital cost & recurring cost respectively has been made for EMP & EMS including green belt development, rain water harvesting / ground water recharge, solid waste management, sewage treatment & management etc.
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	They have submitted a copy of index from Sub-registrar's office Gandhinagar, showing that the non agricultural land is in the name of Shree Developers.

During the meeting, it was presented that site office has been constructed and barricades have been erected around the project site. Project proponent assured that the construction work for the proposed project will be initiated only after obtaining prior environmental clearance. Perspective view of the building was presented and it was mentioned that maximum efforts will be taken to maintain the U value of the materials being used on outer facades as well as Double Glazing unit will be used to minimize the heat island effect. Natural light & ventilation will be provided in basement through open to sky area in common plot & open ducts. Provision of mechanical ventilation system designed to provide 12 air changes per hour in normal condition & 30 air changes per hour in case of emergency like fire, CO sensors associated with the exhaust fans whose speed level will be automatically maintained as per the CO concentration levels, ductless jet nozzle fan system to push & pull the air in the car park area etc. will be provided in the basements. Limited traffic survey was carried out on 60 m wide road in both the directions which shows that the road having total carrying capacity of 4400 PCU will be adequate enough to cater the total traffic load of 2408 PCU. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Permission from the concerned competent authority or authentic supporting documents showing availability of the proposed FSI to the project.
2. Noise control measures proposed for the theatre/s to come up in the project to avoid disturbances to the people residing in the surrounding.
3. Details on number of staircases to be provided on each floor. Details & plans showing floor wise emergency evacuation for the proposed project.
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. A notarized undertaking stating that any kind of manufacturing activity will not be allowed in the commercial units of the proposed project and any commercial unit will not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.

6. Details on common amenities like drinking water facility, sanitary blocks, first aid facilities etc. to be provided on each floor.

8	Devrajbhai M. Patel	Block No: 9, O.P.No: 9, F.P.No. 15, T.P.S.No. 13(Bharthana-Vesu), Vesu, Surat	Screening & Scoping
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Proposal No. SIA/GJ/NCP/58413/2016

The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.

9	Vraj Antonia	Block No: 56,O.P.No: 31,F.P.No: 31, T.P.S.No: 21, (Sarhana - Simada), Puna, Surat	Screening & Scoping
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Details of the proposed project as presented before the committee is described below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/58459/2016]															
2.	Type of Project	Residential															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Vraj Antonia															
5.	Name of Developer	Mr. Brijalkumar Ramanbhai & others															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 40 crores															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land / Plot Area (m²): 11,262.0 FSI area (m²):15,066.65 Total BUA (m²):40,407.42 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>20,271.80</td> <td>15,066.65</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>5,067.90</td> <td>3,331.72</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>1,127.0</td> <td>1,127.0</td> </tr> <tr> <td>Max. building height (m)</td> <td>45 m</td> <td>15.29 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	20,271.80	15,066.65	Ground Coverage (m ²)	5,067.90	3,331.72	Common Plot Area (m ²)	1,127.0	1,127.0	Max. building height (m)	45 m	15.29 m
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9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 7 No. of Blocks: 8 Scope of buildings/blocks: 2 level basement + hollow plinth + 5 floors. No.& size of Residential Units:110 units No. & type of Commercial Units:- Details of amenities if any: Club house and jogging track 															

10.	No. of expected residents / users	495																														
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):15.0 Source of water: water supply from Surat Municipal Corporation (SMC). Waste water generation quantity (KL/day):2.1 Mode of disposal: Into drainage line of SMC. 																														
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Water requirement (KL/day):75.0 Source of water: Water supply from Surat Municipal Corporation (SMC) Waste water generation quantity (KL/day): 55.0 Mode of disposal: Into drainage line of Surat Municipal Corporation (SMC) 																														
13.	Status of water supply and drainage line	Both drainage and water supply lines are available in the area.																														
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>1126.2</td> <td>500</td> <td>500 m³ of excavated top soil will be utilized for greenbelt development.</td> </tr> <tr> <td>Other excavated earth</td> <td>59,441.4</td> <td>6,757.2</td> <td>626.2 m³ of top soil and 52,684.2 m³ of other excavated earth will be utilized for other project after payment of necessary royalty if any.</td> </tr> <tr> <td>Construction debris</td> <td>15kg/day</td> <td rowspan="3">Nil</td> <td rowspan="3">Sold off to recyclers</td> </tr> <tr> <td>Steel scrap</td> <td>15kg/day</td> </tr> <tr> <td>Discarded packing materials</td> <td>6kg/day</td> </tr> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>Dry waste</td> <td>100 kg/day</td> <td rowspan="2">Into bins to be provided within premises.</td> <td rowspan="2">Disposal through door to door waste collection system of SMC.</td> </tr> <tr> <td>Wet waste</td> <td>48.5 kg/day</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Details of segregation if to be done: Solid waste segregation at 		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	1126.2	500	500 m ³ of excavated top soil will be utilized for greenbelt development.	Other excavated earth	59,441.4	6,757.2	626.2 m ³ of top soil and 52,684.2 m ³ of other excavated earth will be utilized for other project after payment of necessary royalty if any.	Construction debris	15kg/day	Nil	Sold off to recyclers	Steel scrap	15kg/day	Discarded packing materials	6kg/day	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	100 kg/day	Into bins to be provided within premises.	Disposal through door to door waste collection system of SMC.	Wet waste	48.5 kg/day
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		<p>source will be adopted and wet waste will be processed within premises using OWC. Recyclable material will be disposed as per the practice of SMC.</p> <ul style="list-style-type: none"> • Capacity and no. of community bins to be placed within premises: 7nos of bins having capacity of 25kg each for dry waste and 25 kg for wet waste will be provided to each building. • Landfill site where waste will be ultimately disposed by local authority: Khajod Disposal Site
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR:3,040.74 m² • Parking area requirement for residential units as per GDCR:3,040.74 m² • Total number of CPS requirement for the project as per NBC :110 • Number of CPS requirement for residential units as per NBC: 110 • Total Parking area provided (m²) & No. of CPS:20,801.68 m² and 660 CPS • Parking area provided in basement (m²) & No. of CPS:18,667.87m² and 583 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:2,071.28 m² and 74 CPS • Parking area provided as open surface (m²) & No. of CPS:62.53 m² and 3
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads:60 m and 18 m wide TP road • Number of Entry & Exit provided on approach road/s:Two entry/exit 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):4m • Width of all internal roads: 7.5 m & 6 m
17.	Details of Green Building measures proposed.	<p>Provision to install aerated coke (foam type) in wash basins, kitchen, low flush water closets in toilet and pressure reducing valves in water pipeline, rain water harvesting ground water recharge, maximum utilization of natural light, roof-top thermal insulation, LED lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc.</p>
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Maximum demand: 550 KW Connected load:600 KW Source: DGVCL • Energy saving measures: Maximum utilization of natural light, roof-top thermal insulation, CFL lighting fixtures in the common areas, appropriate design to shut out excess heat and gain loss, use of solar energy in external lighting (landscape lighting), use of aerated blocks etc. • DG Sets: No. and capacity of the DG sets:4 x 62.5 KVA

		Fuel & its quantity:diesel (10 Liter/h) Note : - D.G. Sets will be used in case of power failure or fire emergency																																				
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During the construction phase: Fire extinguishers at various locations and easily accessible, to keep printed board showing important telephone number of fire, ambulance, hospital etc. training to the workers on safety aspects, first aid box at identified places within premises, doctor & ambulance services, provision of PPE'S like helmet, gumboot/safety shoes, safety net, safety goggles etc. • During the operation phase: Sprinkler per 6.9 m² area of basement, fire extinguishers on each floor & in the basement, wet riser opening at each floor, manually operated electric fire alarm system, hose reel, terrace water tanks of 15 KL capacity, underground water tank of 100 KL, smoke detectros etc. • Nearest fire station: Varachha fire station. Distance from project site: 4 km. 																																				
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H	2B+H.P. + 5	314.95	1	1.56 m	<15																																	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table:17m • No. & dimensions of RWH tank(s) :- • No. and depth of percolations wells :3 • Details on Pre-treatment facilities :only roof top rainwater harvesting is proposed 																																				
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) :450 • Area covered by shrubs and bushes (m²):250 (included in lawn covered area) • Lawn covered area (m²):550 • Total Green Area (m²):1000 • Green Area % of plot area:10.87% • No. of trees and species to be planted:200 trees of local species. 																																				
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<p>Green belt development : 40 Lacs</p> <p>Drainage and rain water harvesting: 40 lacs</p> <p>Solar and energy saving: 30 lacs</p> <p>Total: 110 Lacs</p>																																				
24.	Proposed dust control	Loading & transportation in covered trucks, covered shed provided																																				

	measures during the construction phase	for cement unloading activity, temporarily wind screen around project site, sprinkling of water on roads and in vicinity of storage area.
25.	Eco friendly building material usage details.	Fly ash brick, aerated blocks, paving blocks, RMC, lead free paints etc.
26.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, first aid box, free medicines, doctor service, PPEs etc.
27.	Documents related to land possession.	Copy of village form no. 7 & 12 submitted by them shows that the agricultural land is in the name of applicants. Copy of application made for obtaining N.A permission has been submitted. Zoning certificate obtained from Surat Urban Development Authority shows that the project site falls in the residential zone.

During the meeting it was clarified that in future they are planning to purchase more FSI and they have proposed to provide excess parking space considering the futuristic expansion. The project proponent was suggested to make provision of STP for treatment of sewage to be generated during the operation phase of the project and to reuse treated sewage within premises. The proponent was agreed upon the same. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Proposal for providing STP for treatment of sewage to be generated during the operation phase. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time, other technical parameters etc. along with the budget allocation for its installation, operation & maintenance. Quality of treated sewage and application wise break-up of treated sewage quantity to be recycled / reused in flushing & green belt development, its location on the layout plan, STP sludge management plan etc.

10	Ganesh Grace & Ganesh Glory	Survey No. 176/A, 177, 178, Final plot No. 10, 11/1, 11/2, Moje: Jagatpur, Tehsil: Ghatlodia, S G Highway, Ahmedabad	Screening & Scoping
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Details of the proposed project as presented before the committee are described below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/58494/2016]
2.	Type of Project	Proposed Residential and commercial building
3.	Project/Activity No. [8(a) or 8(b)]	8(a)
4.	Name of the project	Ganesh Grace & Ganesh Glory
5.	Name of Developer	Mr. Mukesh Patel.
6.	Estimated Project Cost (Rs. In Crores)	150 crore
7.	Whether	No, construction work has not been started.

	construction work has been initiated at site? If yes, details thereof.																
8.	Project Details	<ul style="list-style-type: none"> Land /Plot Area (m²): 21,917.01 FSI area (m²):59,125.26 Total BUA (m²):1,32,222.79 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td></td> <td>59,125.26</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>7,442.79</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>--</td> <td>2,195.48</td> </tr> <tr> <td>Max. building height (m²)</td> <td>--</td> <td>45 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)		59,125.26	Ground Coverage (m ²)	---	7,442.79	Common Plot Area (m ²)	--	2,195.48	Max. building height (m ²)	--	45 m
	Permissible	Proposed															
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Common Plot Area (m ²)	--	2,195.48															
Max. building height (m ²)	--	45 m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings:7 No. of Blocks: 9 Scope of buildings/blocks: 3 buildings – 2 level basement + ground floor (parking & shops) + 13 floors, 1 building – 2 level basement + hollow plinth + 13 floors, 2 buildings - 2 level basement + hollow plinth + 12 floors, 1 building (community hall) – ground floor only. No.& size of Residential Units: 348 flats No. & type of Commercial Units: 104 Shops + 216 Offices, 1 community hall. 															
10.	No. of expected residents / users	2750 users including floating population															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day): 25.0 Source of water: Water supply from Ahmedabad Municipal Corporation (AMC). Waste water generation quantity (KL/day): 4.5 Mode of disposal: Into soak pit Details of reuse of water, if any: N.A. 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Total water requirement (KL/day): 247.98 Fresh water requirement (KL/day): 134.77 Source of water: Water supply from Ahmedabad Municipal Corporation (AMC) Waste water generation quantity (KL/day): 141.0 Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises. Only remaining quantity of treated sewage will be discharged into the drainage line of Ahmedabad Municipal Corporation (AMC). In case of STP provision, capacity of STP: Yes, 1 x 35 KL/day for commercial units & 1 x 100 KL/day for residential units. STP Technology: STP with primary, secondary & tertiary treatment facility. Purposes for treated water utilization: Gardening and flushing 															

		<ul style="list-style-type: none"> •Quantity of treated water to be reused:1.Gardening (KL/day):17.55, 2. Flushing (KL/day): 95.66 •Provision of dual plumbing system (Yes/No): yes •Quantity and type (treated/untreated)of sewage to be discharged: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises. Only remaining quantity of treated sewage will be discharged into the drainage line of Ahmedabad Municipal Corporation (AMC). •Mode of disposal: as above. 														
13.	Status of water supply and drainage line	Water supply & drainage line will be provided by AMC.														
14.	Solid waste Management	<p>Operation Phase:</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>Dry waste</td> <td>688.65</td> <td rowspan="2">Into bins to be provided within premises.</td> <td rowspan="2">Collection & final disposal by AMC at the nearest MSW collection site of AMC.</td> </tr> <tr> <td>Wet waste</td> <td>451.1</td> </tr> <tr> <td>STP Sludge</td> <td>120</td> <td colspan="2">Will be used as manure.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No. • Capacity and no. of community bins to be placed within premises: Total 76 bins (44 bins for residential units + 32 bins for commercial units) with 80 lit capacities will be provided. • Landfill site where waste will be ultimately disposed by local authority: Collection & final disposal by AMC at the nearest MSW collection site of AMC. 	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal /Reuse	Dry waste	688.65	Into bins to be provided within premises.	Collection & final disposal by AMC at the nearest MSW collection site of AMC.	Wet waste	451.1	STP Sludge	120	Will be used as manure.	
Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal /Reuse													
Dry waste	688.65	Into bins to be provided within premises.	Collection & final disposal by AMC at the nearest MSW collection site of AMC.													
Wet waste	451.1															
STP Sludge	120	Will be used as manure.														
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 16,124.29 m². • Parking area requirement for residential units as per GDCR: 8,958.89 m². • Parking area requirement for Commercial units as per GDCR: 7,165.4 m². • Total number of CPS requirement for the project as per NBC:1098 CPS • Number of CPS requirement for residential units as per NBC: 348 CPS • Number of CPS requirement for commercial units as per NBC:750 CPS • Total Parking area provided (m²) & No. of CPS:36,218.34 m² & 1,153 CPS • Parking area provided in hollow plinth (m²) & No. of CPS:3,742.47 m² & 134 CPS 														

		<ul style="list-style-type: none"> • Parking area provided as open surface (m²) & No. of CPS:367.78 m² & 16 CPS • Parking area provided (Basement) (m²) & No. of CPS:32,108.09 m² & 1003 CPS 																																					
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 30 m, 12 m & 18 m. • 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): 4.5 • Width of all internal roads:7.5 m 																																					
17.	Details of Green Building measures proposed.	Use of fly ash/PPC in concrete, paving blocks & other cement applications, use of lead free paint & enamels, provision of CFL/LED lights, maximum use of natural light through architectural design, rain water harvesting through ground water recharge by providing 6 nos. of percolation wells etc.																																					
18.	Energy Requirement, Source and Conservation	<ul style="list-style-type: none"> • Power supply: Gujarat Electricity Board Maximum demand:8,062.0 KW Connected load: 8,062.0 KW Source: Torrent Power Limited. • Energy saving measures: provision of CFL/LED lights, maximum use of natural light through architectural design etc. • DG Sets: No. and capacity of the DG sets:2 x 250 KVA Fuel & its quantity:HSD-55 lit/hr. 																																					
19.	Fire and Life Safety Measures	<p>Underground water tank of 165 KL & terrace tank of 20 KL on each building, fire extinguishers, fire alarm in each building, provision of hose reels, external hydrants and wet risers, pumping arrangement, system riser with pressure pump, availability of all necessary information like police control room, medical facilities/hospital contacts and ambulance at security guard room, provision of refuge area at 4th, 7th & 11th floors etc.</p> <p>The nearest fire station is Thaltej fire station which is at a distance of about 8 km from the project site and a fire tender will take about 15 minutes to reach the project site.</p>																																					
20.	Details on staircase: <table border="1" data-bbox="183 1579 1316 1937"> <thead> <tr> <th>Type of block</th> <th>Number of floors</th> <th>Maximum floor area (m²)</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> </tr> </thead> <tbody> <tr> <td>A+B</td> <td>2B+G+13</td> <td>1279.81</td> <td>26.73 m</td> <td>2</td> <td>2.17</td> </tr> <tr> <td>C,D</td> <td>2B+H.P.+12</td> <td>458.85</td> <td>20.84 m</td> <td>1</td> <td>2.00</td> </tr> <tr> <td>E</td> <td>2B+H.P.+13</td> <td>458.85</td> <td>21.17 m</td> <td>1</td> <td>2.00</td> </tr> <tr> <td>F+G</td> <td>2B+G+13</td> <td>908.22</td> <td>21.61 m</td> <td>2</td> <td>2.00</td> </tr> <tr> <td>I</td> <td>2B+G+13</td> <td>616.89</td> <td>27.63 m</td> <td>1</td> <td>2.50</td> </tr> </tbody> </table>			Type of block	Number of floors	Maximum floor area (m ²)	Distance of stair case from the farthest corner	Number of Stair case	Width of Stair case in m	A+B	2B+G+13	1279.81	26.73 m	2	2.17	C,D	2B+H.P.+12	458.85	20.84 m	1	2.00	E	2B+H.P.+13	458.85	21.17 m	1	2.00	F+G	2B+G+13	908.22	21.61 m	2	2.00	I	2B+G+13	616.89	27.63 m	1	2.50
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21.	Rain Water Harvesting	<ul style="list-style-type: none"> • Level of the Ground water table:75 m BGL • No. & dimensions of RWH tank(s):- 																																					

	(RWH)	<ul style="list-style-type: none"> No. and depth of percolations wells:6 nos. of percolating well, 10 m
22.	Green area details	<ul style="list-style-type: none"> Tree covered area (m²):1,317.66 Area covered by shrubs and bushes (m²):-- Lawn covered area (m²):2,195.48 Total Green Area (m²):3,513.14 Green Area % of plot area:16.92% No. of trees and species to be planted:329
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	Allocation of Rs. 18 lacs has been proposed for water sprinklers, barricades, waste water & waste management, provision of PPEs etc. during the construction phase. Capital cost of Rs. 43.0 lacs and recurring cost of Rs. 6.0 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.
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 NA order submitted by them shows that the land for residential & commercial use is in the name of applicant & others.

During the meeting, it was observed that the details like built up area, FSI area, number of units and number of buildings presented before the committee are different from the details submitted in Form –I & project plans, where as annexures attached with the Form I show the same details as presented before the committee. After detailed discussion, it was decided to appraise the project further only after submission of the following:

1. Revised Form – I & project plans showing the project details as presented before the committee.
2. Project plans showing provision of two nos. of staircases in the buildings having floor area more than 500 m² on each floor.
3. 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. Permission from the concerned competent authority or authentic supporting documents showing availability of the proposed FSI to the project.
5. Notarized consent of other land owners regarding issuance of Environmental Clearance in the name of applicant of the proposed project.
6. Details on ventilation, lighting arrangements and CO sensors to be provided in the basements.

Details on provision to be made for natural lighting & ventilation in the proposed commercial units.

7. Detailed plan for loading / unloading of goods, movement plan, space designated for it, parking area designated for trucks/tempo etc. for the commercial units.
8. Details on common amenities like drinking water facility, sanitary blocks, first aid facilities etc. to be provided at each floor of commercial building/s.
9. Details & plans showing floor wise emergency evacuation for the commercial building/s.

11	Manibhadra Buildcon Pvt. Ltd.	Plot No. 1137 & 1139, S.P.No. 1 & 2, Kalol, Gandhinagar.	Screening & Scoping
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Proposal No. SIA/GJ/NCP/58140/2016

The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.

12	Murlidhar Heights	Block No. - 250, F.P. No.111, O.P. No.111, T.P.S. No- 24 (Utran-Mota Varachha), Moje - Mota-Varachha, Surat.	Screening & Scoping
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Details of the proposed project as presented before the committee is described below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/NCP/58431/2016]															
2.	Type of Project	Residential & Commercial															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of the project	Murlidhar Heights															
5.	Name of Developer	Daya Nidhi Enterprise															
6.	Estimated Project Cost (Rs. In Crores)	25 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No.															
8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²): 6,841 • FSI area (m²): 15,231.73 • Total BUA : 25,533.17 <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>15,289.56</td> <td>15,231.73</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>1,949.61</td> <td>1,596.77</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>684.10</td> <td>684.60</td> </tr> <tr> <td>Max. building height (m)</td> <td>--</td> <td>43.60 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	15,289.56	15,231.73	Ground Coverage (m ²)	1,949.61	1,596.77	Common Plot Area (m ²)	684.10	684.60	Max. building height (m)	--	43.60 m
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Common Plot Area (m ²)	684.10	684.60															
Max. building height (m)	--	43.60 m															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 3 Nos. • No. of Blocks: 5 Nos. • Scope of buildings/blocks: 1 building – basement + ground floor (parking & shops), 1 building – basement + hollow plinth + 14 floors, 1 building – basement + hollow plinth + 12 floors. 															

		<ul style="list-style-type: none"> No. & size of Residential Units: 268 flats. No. & type of Commercial Units: 26 shops Details of amenities if any: No 																															
10.	No. of expected residents / users	1206 nos. residential users																															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> Water requirement (KL/day):16.0 Source of water: water supply from Surat Municipal Corporation (SMC). Waste water generation quantity (KL/day):1.2 Mode of disposal: Into drainage line of SMC. 																															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> Water requirement (KL/day):171.0 Source of water: Water supply from Surat Municipal Corporation (SMC) Waste water generation quantity (KL/day): 135.0 Mode of disposal: Into drainage line of Surat Municipal Corporation (SMC) 																															
13.	Status of water supply and drainage line	Water supply & drainage connection of SMC will be provided by SMC.																															
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation (m³)</th> <th>Quantity to be reused (m³)</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>11,115</td> <td>11,115</td> <td rowspan="3">Excavated surplus earth and construction debris will be refilled at low lying areas within the project premises. Top soil to be generated will be used for greenbelt development.</td> </tr> <tr> <td>Other excavated earth</td> <td></td> <td></td> </tr> <tr> <td>Construction debris</td> <td>24</td> <td>24</td> </tr> <tr> <td>Steel scrap</td> <td>3.8 MT</td> <td>3.04 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> </tbody> </table> <p>Operation Phase:</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>Dry waste</td> <td rowspan="2">723 Kg</td> <td rowspan="2">Municipal solid waste to be generated will be collected in</td> <td rowspan="2">As below.</td> </tr> <tr> <td>Wet waste</td> </tr> </tbody> </table>		Generation (m ³)	Quantity to be reused (m ³)	Mode of Disposal / Reuse	Top Soil	11,115	11,115	Excavated surplus earth and construction debris will be refilled at low lying areas within the project premises. Top soil to be generated will be used for greenbelt development.	Other excavated earth			Construction debris	24	24	Steel scrap	3.8 MT	3.04 MT	Disposal to recycler	Discarded packing materials	1 MT	--	Disposal to recycler	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste	723 Kg	Municipal solid waste to be generated will be collected in	As below.	Wet waste
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Wet waste																																	

		the bins to be provided to each unit.
		<ul style="list-style-type: none"> • Details of segregation if to be done: The solid wastes to be generated will be segregated into biodegradable and non-biodegradable wastes and collected in separate bins. These will be regularly emptied by SMC for final disposal. • Capacity and no. of community bins to be placed within premises: 140 liter each; 15 nos. of bins; • Landfill site where waste will be ultimately disposed by local authority: Final disposal at the Khajod MSW collection site of SMC.
15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 3,952.89 m². • Parking area requirement for residential units as per GDCR: 3,663.0 m². • Parking area requirement for Commercial units as per GDCR: 289.89 m². • Total number of CPS requirement for the project as per NBC: 280 nos. • Number of CPS requirement for residential units as per NBC: 268 nos. • Number of CPS requirement for commercial units as per NBC: 12 nos. • Total Parking area provided (m²) & No. of CPS: 5,093.11 m², 173 nos. • Parking area provided in basement (m²) & No. of CPS: 3,268.01 m², 102 nos. • Parking area provided in hollow plinth (m²) & No. of CPS: 995.80 m², 35 nos. • Parking area provided as open surface (m²) & No. of CPS: 829.30 m², 36 nos.
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 36 m wide road • Number of Entry & Exit provided on approach road/s: 2 nos. • Width of Entry & Exit provided on approach road/s: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 5 m • Width of all internal roads: 7.5 m
17.	Details of Green Building measures proposed.	Maximum utilization of natural light, LED 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	<ul style="list-style-type: none"> • Power supply Maximum demand: 1000 KW Connected load: -- Source: D.G.V.C.L

		<ul style="list-style-type: none"> • 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 60 KVA Fuel & its quantity: Diesel & 8 lit/hr. 																												
19.	Fire and Life Safety Measures	Fire extinguisher & hose reel at each floor, wet riser opening at each floor, automatic sprinkler system in basement, manually operated electric fire alarm system, underground water tank of 75 KL capacity, terrace tank of 25 KL capacity etc.																												
20.	Details on staircase																													
	<table border="1"> <thead> <tr> <th>Name of Building</th> <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(m)</th> <th>Travel distance (m)</th> </tr> </thead> <tbody> <tr> <td>A-B</td> <td>Joint</td> <td>B+G+14</td> <td>495.32</td> <td>02</td> <td>1.52</td> <td><30</td> </tr> <tr> <td>C</td> <td>Single</td> <td>G+12</td> <td>341.57</td> <td>01</td> <td>1.52</td> <td><30</td> </tr> <tr> <td>D-E</td> <td>Joint</td> <td>G+14</td> <td>495.32</td> <td>02</td> <td>1.52</td> <td><30</td> </tr> </tbody> </table>	Name of Building	Type & no. of buildings	No. of floors	Floor area	No. of staircase	Width of the staircase(m)	Travel distance (m)	A-B	Joint	B+G+14	495.32	02	1.52	<30	C	Single	G+12	341.57	01	1.52	<30	D-E	Joint	G+14	495.32	02	1.52	<30	
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D-E	Joint	G+14	495.32	02	1.52	<30																								
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 80-100 ft • No. and depth of percolations wells : 2 nos., 40 m • Details on Pre-treatment facilities : Gravity filter, MOC: PE 																												
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 357.78 • Area covered by shrubs and bushes (m²): inclusive in lawn covered area • Lawn covered area (m²): 343.05 • Total Green Area (m²): 700.83 • Green Area % of plot area: 9.7 % • No. of trees and species to be planted: 120 nos. of trees like Asopalav, Gulamhor, Palm, Ficus ,Badam , Neem etc. 																												
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Capital Cost (Rs. In Lacs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Landscaping</td> <td>12 Lacs</td> </tr> <tr> <td>2</td> <td>Groundwater Recharge Structure</td> <td>5 Lacs</td> </tr> <tr> <td>3</td> <td>Solar Energy Utilization</td> <td>3 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>2 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" style="text-align: right;">Total</td> <td>24.75 Lacs</td> </tr> </tbody> </table>	Sr. No.	Description	Capital Cost (Rs. In Lacs)	1	Landscaping	12 Lacs	2	Groundwater Recharge Structure	5 Lacs	3	Solar Energy Utilization	3 lacs	4	Energy Efficient Lighting	2 lacs	5	Solid Waste Management	2 lacs	6	Monitoring of Air, Water, Noise & Soil	0.75 lacs	Total		24.75 Lacs				
Sr. No.	Description	Capital Cost (Rs. In Lacs)																												
1	Landscaping	12 Lacs																												
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5	Solid Waste Management	2 lacs																												
6	Monitoring of Air, Water, Noise & Soil	0.75 lacs																												
Total		24.75 Lacs																												
24.	Proposed dust control measures during the construction phase	Vertical curtains, water sprinkling, covering the building materials with the tarpaulin sheet etc.																												
25.	Eco friendly building material	Fly ash based bricks, Ready Mix Concrete, A.C.C Blocks will be used.																												

	usage details.	
26.	Amenities for the construction workers.	Sanitation facility, drinking water & tap water, soak pit for domestic waste water collection, first aid box, free medicine, doctor service, PPEs etc.
27.	Documents related to land possession.	Village form no. 7 & 12 submitted by them shows that N.A. land for residential & commercial use is in the name of applicant.

During the meeting, the project proponent was suggested to increase parking area provision. The project proponent was agreed to increase the parking area provision by increasing the basement area. After detailed discussion on various aspects of the project, it was decided to consider the project only after submission of the following:

1. Revised details on parking area provision considering the additional basement area to be provided along with the revised Form – I, Form – IA & project plans showing revised built up area details due to additional basement area.

13	One World West	T.P.S.No: 52, S.No.:396, F.P.No.: 119, O.P.No. 119, At:- Aambli, Ahmedabad	Screening & Scoping
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Details of the proposed project as presented before the committee are described below:

Sr. No.	Particulars	Details
1.	Proposal is for	New Project [SIA/GJ/NCP/58388/2016]
2.	Type of Project	Commercial building construction project.
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)
4.	Name of the project	One World West
5.	Name of Developer	Mr. Balvantbhai Khodabhai Patel
6.	Estimated Project Cost (Rs. In Crores)	22.63 cr.
7.	Whether construction work has been initiated at site? If yes, details thereof	No construction activity has been started

8.	Project Details	<ul style="list-style-type: none"> • Land / Plot Area (m²) : 4,614.0 • FSI area (m²): 18,181.46 • Total BUA (m²): 35,253.50 <table border="1" data-bbox="526 309 1332 504"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>18,456.0</td> <td>18,181.46</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>---</td> <td>2,247.52</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>461.40</td> <td>463.88</td> </tr> <tr> <td>Max. building height (m)</td> <td>---</td> <td>44.54</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	18,456.0	18,181.46	Ground Coverage (m ²)	---	2,247.52	Common Plot Area (m ²)	461.40	463.88	Max. building height (m)	---	44.54
	Permissible	Proposed															
FSI Area (m ²)	18,456.0	18,181.46															
Ground Coverage (m ²)	---	2,247.52															
Common Plot Area (m ²)	461.40	463.88															
Max. building height (m)	---	44.54															
9.	Building Details	<ul style="list-style-type: none"> • No. of Buildings: 1 • No. of Blocks: 1 • Scope of buildings/blocks: 3 level basement + ground floor + 13 floors. • No.& size of Residential Units: --- • No.& size of Commercial Units: 215 shops & offices. • Details of amenities if any:--- 															
10.	No. of expected residents / users	Fixed population considered for the project: 810 Floating population considered for the project: 500															
11.	Water & waste water details during construction phase	<ul style="list-style-type: none"> • 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 into soak pit. • Details of reuse of water, if any: --- 															
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Fresh water requirement (KL/day): 21.85 • Source of water: Water supply from Ahmedabad Municipal Corporation • Sewage generation quantity (KL/day): 15.48 • Mode of disposal: Disposal through drainage line of Ahmedabad Municipal Corporation. 															
13.	Status of water supply and drainage line	Water supply & drainage lines already available in the area.															
14.	Solid waste Management	<p>Operation Phase:</p> <table border="1" data-bbox="526 1512 1444 1825"> <thead> <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> </thead> <tbody> <tr> <td>Dry waste & wet waste</td> <td>53.75</td> <td>27 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> </tbody> </table> <ul style="list-style-type: none"> • Details of segregation if to be done: No • Capacity and no. of community bins to be placed within premises: 27 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 site of AMC. 	Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse	Dry waste & wet waste	53.75	27 nos. of bins of 80 lit capacity will be provided at various locations.	The community bins will be regularly emptied by AMC.							
Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse														
Dry waste & wet waste	53.75	27 nos. of bins of 80 lit capacity will be provided at various locations.	The community bins will be regularly emptied by AMC.														

15.	Parking Details	<ul style="list-style-type: none"> • Total parking area requirement for the project as per GDCR: 9,090.73 • Parking area requirement for residential units as per GDCR: 9,090.73 • Total number of CPS requirement for the project as per NBC : 727 • Number of CPS requirement for residential units as per NBC: 727 • Total Parking area provided (m²) & No. of ECS: 11,295.62 (377) • Parking area provided in basement (m²) & No. of ECS: 9,315.54 (291) • Parking area provided in hollow plinth (m²) & No. of ECS: 1,980.08 (86) 				
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent public roads: 40 m & 60 m wide S.P. ring road. • 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 for the plantation): 5 m • Width of all internal roads: 6 m 				
17.	Details of Green Building measures proposed.	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.				
18.	Energy Requirement, Source and Conservation	Power supply: Maximum demand: 645 KW Connected load: Source: UGVCL				
19.	Fire and Life Safety Measures	<ul style="list-style-type: none"> • During construction phase: personal protective equipments like earplugs, dust masks, safety shoes, helmets, hand gloves, etc will be provided to all workers, all workers will be trained to use welding shields and follow safe practices, provision of first aid facilities, "H" frame scaffolds & ladders made of mild steel, completely concealed copper wiring, all electrical fittings / equipments used will meet the relevant IS standards etc. • During operation phase: 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. • Nearest fire station is Bodakdev fire station which is approx. 4- 5 km. Time required for a fire tender to reach at the project site is 10 -15 minutes. 				
20.	Details on staircase					
	Type & no. of buildings	No. of floors	Floor area (m ²)	No. of staircase	Width of the staircase (m)	Travel distance (m)
	One commercial building	3B+G+13	1,694.98	4	2	---
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: • No. & dimensions of RWH tank(s) : • No. and depth of percolations wells : 2 nos. of percolation wells. 				

		<ul style="list-style-type: none"> • Details on Pre-treatment facilities :
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²) : 254.08 • Area covered by shrubs and bushes (m²): • Lawn covered area (m²): 374.71 • Total Green Area (m²): 628.79 • Green Area % of plot area: 13.6 % • No. of trees and species to be planted: 70 trees of Gulmohar, Asopalav, Neem, Garmalo, Sevan etc.
23.	Budgetary allocation for Environmental Management Plan (Rs. in lacs)	---
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.	Copy of village form no. 7 & 12 submitted shows that the agricultural land is in the name of applicant & others. Zoning certificate obtained from Ahmedabad Municipal Corporation shows that the project site falls in the residential zone – 2 & Transit Oriented Zone.

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

1. 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.
2. Notarized consent of other land owners regarding issuance of Environmental Clearance in the name of applicant of the proposed project. Copy of permission obtained from concerned competent authority for non agricultural use of the project site or authentic documents showing status & correspondences made with concerned competent authority in this regard.
3. Details on parking area provision for the project based on the parking requirement as per the NBC

norms along with the parking plans & back up calculation.

4. Revised water balance details considering the fresh water consumption based on activity and area of the project as per the NBC norms.
5. Realistic details with respect to the quantity of the generation of the garbage / Municipal Solid waste, electronic waste etc. and mode of its treatment and disposal.
6. Plans showing the floor area & maximum travel distance of the staircase from the farthest corner of the floor, distance between the two consecutive staircases and provision of staircases.
7. Minimum fire water requirement for the proposed project based on the fire study.
8. A notarized undertaking stating that any kind of manufacturing activity will not be allowed in the commercial units of the proposed project and any commercial unit will not be sold / allotted for storage of chemicals, flammable substances, explosives, fire crackers or any other material of hazardous characteristics.
9. 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.
10. 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.
11. Details on ventilation, lighting arrangements and CO sensors to be provided in the basements. Details on provision to be made for natural lighting & ventilation in the proposed commercial units. Details on provisions to be made for cross ventilation in the commercial units of the project.
12. Detailed plan for loading / unloading of goods, movement plan, space designated for it, parking area designated for trucks/tempo etc.
13. Details on common amenities like drinking water facility, sanitary blocks, first aid facilities etc. to be provided at each floor.
14. Details on solar energy utilization for the proposed project.
15. Details & plans showing floor wise emergency evacuation for the proposed project.

14	Serenity Garden	Plot No. 3, 4, 5, Sr. No. 21/P/7, T.P.S.No. 18, O.P. No.- 26 paiki F.P. No.- 26/1 & 26/6, Munjka , Rajkot	Screening & Scoping
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Proposal No. SIA/GJ/NCP/58318/2016

The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.

15	Swagat Texking	F.P.No.: 15, O. P. No.: 15, Block No.: 223/B , T.P.S. No.: 35 (Kumbharia-Saroli-SaniaHemad-Devadh), Kumbharia, Surat	Screening & Scoping
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Proposal No. SIA/GJ/NCP/58415/2016

The project proponent did not remain present during the meeting. It was decided to call them in one of the upcoming meetings of SEAC.

16	Heliconia- A weekend Home Project	Sr. No. : 660/2,660/3, 660/,660/9, 661/2, 661/3, 658/1, 717/12/1, 717/12/2, 720/1, 720/2, 648/3, 659/1+2, 660/1, 661/1, 664/2, 664/3, 665/4, 665/3, 717/9, 648/1, 648/4 at Vill: Tukwada, Ta: Pardi, Dist: Valsad	Screening & Scoping
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Details of the proposed project as presented before the committee are described below:

Sr. No.	Particulars	Details															
1.	Proposal is for	New project [SIA/GJ/NCP/58405/2016 & SIA/GJ/NCP/58901/2016]															
2.	Type of Project	A Weekend home project															
3.	Project / Activity No. [8(a) or 8(b)]	8(a)															
4.	Name of Project	Heliconia															
5.	Name of Developer	Mukeshbhai K. Undhad															
6.	Estimated Project Cost (Rs. in Crores)	15 Crores.															
7.	Whether construction work initiated at site? If yes, details thereof	No															
8.	Project Details	<ul style="list-style-type: none"> Land/Plot Area (m²): 57,360 FSI area (m²): 36,668.10 Total BUA (m²): 36,668.10 <table border="1"> <thead> <tr> <th></th> <th>Permissible</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td> <td>61,948.80</td> <td>36,668.10</td> </tr> <tr> <td>Ground Coverage (m²)</td> <td>20,649.60</td> <td>14,348.04</td> </tr> <tr> <td>Common Plot Area (m²)</td> <td>5,736</td> <td>5,736</td> </tr> <tr> <td>Max. building height (m)</td> <td>---</td> <td>13.94 m</td> </tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	61,948.80	36,668.10	Ground Coverage (m ²)	20,649.60	14,348.04	Common Plot Area (m ²)	5,736	5,736	Max. building height (m)	---	13.94 m
	Permissible	Proposed															
FSI Area (m ²)	61,948.80	36,668.10															
Ground Coverage (m ²)	20,649.60	14,348.04															
Common Plot Area (m ²)	5,736	5,736															
Max. building height (m)	---	13.94 m															
9.	Building Details	<ul style="list-style-type: none"> No. of Buildings: 114 nos. of bungalows No. of Blocks: 114 nos. of bungalows Scope of buildings/blocks: 114 nos. of bungalows of Ground floor + 2 floors. No. & size of Residential Units: 114 nos. of bungalows. 															
10.	No. of expected residents / users	570 person Residential															
11.	Water &	<ul style="list-style-type: none"> Water requirement (KL/day): 30 															

	waste water details during construction phase	<ul style="list-style-type: none"> • Source of water: Borewell water • Waste water generation quantity (KL/day): 4.2 • Mode of disposal: Into temporary septic tank & soak pit. • Details of reuse of water, if any: Nil 												
12.	Water & waste water details during operation phase	<ul style="list-style-type: none"> • Total water requirement (KL/day): 114.0 • Fresh water requirement (KL/day): 41.0 • Source of water: Water supply from Tukwada Grampanchayat. • Waste water generation quantity (KL/day): 73.0 • Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be completely used for gardening & flushing purpose within premises. • In case of STP provision, capacity of STP: 100 KL/day • STP Technology: biological treatment • Purposes for treated sewage utilization: Gardening and flushing • Quantity of treated sewage to be reused: 1. Gardening (KL/day): 30.0, 2. Flushing (KL/day): 43.0 • Provision of dual plumbing system (Yes/No): yes • Quantity and type (treated/untreated) of sewage to be discharged: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be completely used for gardening & flushing purpose within premises. During the monsoon season, when the treated sewage utilization for gardening purpose is not possible, the treated sewage will be used for flushing purpose & only remaining quantity of treated sewage will be stored in the proposed underground pakka storage tank. • Mode of disposal: as above. 												
13.	Status of water supply and drainage line	Tukwada Gram Panchayat will provide water supply. Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be completely used for gardening & flushing purpose within premises. During the monsoon season, when the treated sewage utilization for gardening purpose is not possible, the treated sewage will be used for flushing purpose & only remaining quantity of treated sewage will be stored in the proposed underground pakka storage tank.												
14.	Solid waste Management	<p>Construction Phase:</p> <table border="1"> <thead> <tr> <th></th> <th>Generation m³</th> <th>Quantity to be reused m³</th> <th>Mode of Disposal / Reuse</th> </tr> </thead> <tbody> <tr> <td>Top Soil</td> <td>2,150</td> <td>2,150</td> <td>It will be reused in lawn and tree development on available area of 7,312 m².</td> </tr> <tr> <td>Other excavated earth</td> <td>21,500</td> <td>10,000 11,500</td> <td>It will be reused in plinth filling, trench filling It will be reused in internal road making.</td> </tr> </tbody> </table>		Generation m ³	Quantity to be reused m ³	Mode of Disposal / Reuse	Top Soil	2,150	2,150	It will be reused in lawn and tree development on available area of 7,312 m ² .	Other excavated earth	21,500	10,000 11,500	It will be reused in plinth filling, trench filling It will be reused in internal road making.
	Generation m ³	Quantity to be reused m ³	Mode of Disposal / Reuse											
Top Soil	2,150	2,150	It will be reused in lawn and tree development on available area of 7,312 m ² .											
Other excavated earth	21,500	10,000 11,500	It will be reused in plinth filling, trench filling It will be reused in internal road making.											

		Construction debris	4 MT	4 MT	Used in trench filling
		Steel Scrap	1 MT	1 MT	Used in column, footing and foundation
		Discarded packing materials	Cement & Plastic Bags		Cement bag partly reuse in curing purpose & partly sale out in open market while plastic bag sale out to the registered recycler or vendor
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	228	Into bins to be provided to each individual unit	Will be sold to vendors.
		Wet waste + STP sludge	360	Sludge drying bed	Will be sold out to farmers as manure
		<ul style="list-style-type: none"> • Details of segregation if to be done: yes • Capacity and no. of community bins to be placed within premises: 114 bins having volume 1.7 m³. • Landfill site where waste will be ultimately disposed by local authority: as above. 			
15.	Parking Details	Open surface parking space of 3,280.0 m ² (including 20–28 m ² individual parking space in the premises of each individual bungalow) equivalent to 142 CPS will be provided.			
16.	Traffic Management	<ul style="list-style-type: none"> • Width of adjacent / approach road: 12 m approach road on south side. • No. of Entry and Exit: One gate will be provided. • Width of internal roads: 7.5 m • Minimum width of open path all around the buildings for easy access of fire tender: 3 m 			
17.	Green building features including measures for conservation of water & energy, use of eco-friendly building materials, etc.	Use of autoclaved aerated blocks & RMC, aerated type water taps, solar street lights, LED lightings fixtures and low voltage lightings in common areas, maximum use of natural lighting & ventilation, energy saving electrical appliances i.e. 5 star rated inverter system, maintaining the schedule of switching on/off the common lights etc.			
18.	Energy	• Power supply-Connected load: Maximum demand 600 KVA			

	requirement, source and conservation	<ul style="list-style-type: none"> • Source: DGVCL • % of saving with calculation: 25% saving by using LED, solar street lights & star rated energy efficient electronic appliances. • DG Set: • No. & capacity of D.G. sets: 2 x 50 KVA • Fuel & it quantity: HSD-50 lit/hour
19.	Fire and Life Safety Measures	---
20.	Details on staircase: one staircase of 0.9 m width will be provided in each individual bungalow.	
21.	Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> • Level of the Ground water table: 30 feet in monsoon 60 feet in summer • No. and depth of percolations wells: 15 nos. • Details on Pre-treatment facilities: ---
22.	Green area details	<ul style="list-style-type: none"> • Tree covered area (m²): 1,575 m² on periphery of plot boundary within premises. • Area covered by shrubs and bushes (m²): --- • Lawn covered area (m²): 5,736 • Total Green Area (m²): 7,311 • Green Area % of plot area: 12.74 % • No. of trees to be planted: 500 new trees of Neem, Ashoka, Wad, Mango etc.
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)	Fund of rupees 50 lacs will be allocated for rain water harvesting, tree plantation, sewage treatment, waste management etc.
25.	Details of eco-friendly building materials	Fly ash bricks, aerated blocks, fly ash paving blocks, maximum use of RMC, lead free paints etc.
26.	Facilities to construction workers	Sanitation & drinking water facilities, welfare facilities as per Gujarat building & other construction workers rules & regulations
27.	Documents related to land possession	Copies of index of Sub-registrar's office, Pardi submitted for all the survey numbers show that the agricultural land is in the name of applicant & his family members. Copy of application made for obtaining N.A permission has been submitted.

During the meeting, it was clarified by the project proponent that they have originally applied for obtaining Environmental Clearance vide online proposal no. SIA/GJ/NCP/58405/2016 on state portal of MoEF&CC. Based on the online essential details sought by the SEAC, they have submitted the revised application vide proposal no. SIA/GJ/NCP/58901/2016 dated 09/09/2016. Photographs showing the current status of the project site were submitted by them which show that the construction work for the proposed project

has not been started. It was found that the project site is at a distance of 360 m from river Kolak. It was presented that from the total 110 mango trees existing at the project site, 55 trees will be cut and they have proposed to plant 500 trees in addition to the existing trees. Layout plan showing availability of individual parking space of 20 – 28 m² within premises of each individual bungalow has been submitted by them. Technical details of the proposed STP along with the size of each individual unit & retention time were presented during the meeting and layout plan showing location of STP has also been submitted. After detailed discussion, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

17	SIA/GJ/IND2/16890/2016	M/s: Hindusthan M I Swaco Limited Plot No. Z/109/A, Dahej SEZ, Vagra, Dist.: Bharuch.	Screening & Scoping
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Project / Activity No.: 5(f)

- M/s: Hindusthan M I Swaco Limited (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/16890/2016 dated 02/08/2016.

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.	Name of the products	Quantity (MT/month)		
		Existing	Additional	Total
1	Carboxy Methyl Cellulose-Sodium Salt (CMC-Na)	300	1700	2000
2	Micro Crystalline Cellulose Powder (MCCP)	200	-	200
3	Hydroxy Ethyl Cellulose (HEC)	100	-	100
4	Hydroxy Propyl Methyl Cellulose (HPMC)	25	-	25
5	Methyl Cellulose	100	-	100
6	Ethyl Cellulose	25	-	25
7	Fibroseal (MIX II) FINE, MEDIUM, COARSE	2000	-	2000
8	Liquid Based Products			
	Surfactants			
	Emulsifiers			
	Lubricants			
	Biocides			
	Corrosion Inhibitors			
	De-Emulsifiers			
	Flow Improvers			
9	Carboxy Methyl Starch -Sodium Salt (CMS-Na)	-	600	600
10	Pregelatinised Starch	-		
11	Bentonite Derivatives	-	2500	2500
12	Lignite Based Products	-	4200	4200
13	Lignite / Humic Acid base Product	-	2500	2500
	Total	2750	11500	14250

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

Total plot area is 54,368.65 sq. m & unit has proposed 20,558.38 sq mtr area for the green belt

development/Tree plantation. Expected project cost is INR. 36.45 Crores.

Water requirement and waste water management :

Source of Water Supply	GIDC Water Supply
Water consumption (KL/day)	Industrial: (Process, Washings, Utilities etc.) 650 KL/day (Existing: 243.2 KL/day + Additional Proposed: 406.8 KL/day)
	Domestic: 25 KL/Day (Existing: 15 KL/day + Additional Proposed: 10 KL/day)
Waste water generation (KL/day)	Industrial: (Process, Washings, Utilities etc.) 145 KL/Day (Existing: 104 KL/day + Additional Proposed: 41 KL/day)
	Domestic: 15 KL/Day (Existing: 13 KL/day + Additional Proposed: 2 KL/day)
Treatment facility with capacity (ETP, CETP, MEE, STP etc).	ETP having Primary, Secondary & Tertiary Treatment Facility followed by MEE & RO
Mode of Disposal & Final meeting point	Industrial & Domestic: Effluent generated shall be treated in ETP consisting of primary, secondary and tertiary treatment facility followed by RO & MEE Unit. Final Treated effluent shall be sent to GIDC effluent pipeline for final disposal into deep sea.
Reuse/Recycle details	In Existing Scenario 80.5 KL/day industrial (from Process & Domestic) wastewater is treated in existing Effluent Treatment Plant and discharged into deep sea via GIDC drain & 36.5 KL/day industrial wastewater (from Washing, Boiler, Cooling, DM & Softening plants) is sent to MEE Plant for treatment and reuse. After proposed expansion i.e. 102 KL/day Industrial wastewater (from Process & Washing) & 7 KL/day of (RO Reject Stream) will be sent to MEE and condensate released from MEE (i.e. 102 KL/day) will be mixed with 15 KL/day (Domestic Wastewater), so total 117 KL/day will be then treated in Effluent Treatment Plant and discharged into deep sea via GIDC drain. 43 KL/day industrial wastewater (from Boiler, Cooling, DM & Softening Plants) will be sent to RO for treatment and reuse.

Flue gas emission source from the existing activity is one NG/FO based steam boiler and one DG set. Unit has proposed NG/FO/HSD based TFH for the proposed expansion. Natural gas, Diesel and FO consumption after proposed expansion will be 7500 SCM/day, 600 Lit./hr and 1200 Kg/hr respectively.

Hazardous waste generation and management details is as under:

Sr. No.	Name Of Waste	Total Qty.			
		Existing	Additional Proposed	Total	
1	ETP Sludge	5 MT/Month	28 MT/Month	33 MT/Month	To TSDF site.
2	Used Oil	175 Lit./Month	991 Lit./Month	1166 Lit./Month	To Registered Reprocessors
3	Discarded Bags & Liners	3000 Nos./Month	17000 Nos./Month	20000 Nos./Month	To Registered

					Recyclers
	Used Drums & Bags	8000 Nos./Month	10000 Nos./Month	18000 Nos./Month	To Registered Recyclers
4	MEE Salt	130 MT/Month	136 MT/Month	266 MT/Month	To TSDF site.
5	Spent Carbon	-	10 Kg/Month	10 Kg/Month	To CHWIF or sent for Co- processing

There are no by-products from the existing as well as proposed products.

Discussions/Observations:

Technical presentation made during the meeting by project proponent. During the meeting, while discussing about the compliance of existing environmental clearance, PP could not reply satisfactorily. Upon asking about the permission for discharge of waste water into GIDC drainage, PP informed that they have applied for the same and it is under process. After deliberation, it was unanimously decided to consider the project for TOR/Scoping only after satisfactory submission of the following details.

1. 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.
2. Copies of Environmental Clearances obtained for the existing plant, its point wise compliance report.
3. Status of submission of Half yearly compliance report in respect of the stipulated prior Environmental Clearance terms and conditions.
4. Copy of Consent to Operate (CC&A) obtained along with point wise compliance status of all the conditions stipulated therein.
5. Copy of permission letter with quantity from the competent authority regarding confirmation with spare capacity available to take additional effluent load in GIDC drainage for final disposal to deep Sea.

18	SIA/GJ/THE/16977/2016	M/s: Torrent Power Ltd Plot No.872,613,616, Sabarmati Dist.: Ahmedabad	Screening & Scoping
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Project proponent remained absent for the above proposal. After deliberation, committee decided to defer the proposal in one of the upcoming SEAC meetings for further consideration.

19	SIA/GJ/IND2/17046/2016	M/s: Xylon Lab Plot no C1/10 GIDC Nadiad, Nadiad.	Screening & Scoping
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Project / Activity No.: 5(f)

- M/s: Xylon Lab (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/17064/2015 dated 24/08/2016.

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.	Name of the products	Quantity (MT/Month)		
		Existing	Proposed	Total
1	Diphenhydramine HCL IP	1.4	1.6	3.0
2	Lidocaine Base USP	0.8	4.2	5.0
3	Lignocaine HCL IP	0.8	2.2	3.0
4	Sodium Bromide Solution	2.4	2.1	4.5

The project falls under Category B of project activity 5(f) as per the schedule of EIA Notification 2006. Total plot area is 1000 sq. m & unit has proposed 200 sq mtr area for the green belt development/ Tree plantation. Expected project cost is INR. 10 Lakhs. Water consumption and waste water generation details is as under:

Water consumption (KL/day)	Total water requirement Existing: 3.55 KLD; Proposed: 5.45 KLD Total: 9 KLD
Waste water generation (KL/day)	Domestic: Existing: 0.8 KLD; Proposed: 0.8 KLD; Total: 1.6 KLD Industrial: Existing: Nil; Proposed: 0.6 ; Total: 0.6 KLD
Treatment facility	Domestic effluent is discharged in septic tank followed by soak pit. There is no industrial effluent generation in existing plant. After expansion, industrial effluent will be collected, treated in effluent treatment plant consists of primary treatment .Treated water water will be reused in cooling activities.
Reuse/Recycle details	Treated industrial effluent (condensate water) will be reused for cooling activities.

There is no use of any fuel in the existing as well as proposed project. Alkali and water scrubbers are provided for control of HBr and HCl Pollutants. Same scrubbing system will be used for proposed expansion. Hazardous wastes generated are ETP waste, Used oil, Discarded containers, Distillation residue and Off specification products.

Observations/Discussion:

Technical presentation made during the meeting by project proponent. This unit was established in the year 1989. While discussing about the management of Sodium Bromide solution which is generated from the scrubbing system, PP informed that Sodium Bromide solution is sold out to actual user industry namely M/s: Dwarkesh Chemicals, GIDC-Vatva. Committee noted that waste stream i.e Sodium Bromide solution generated from the manufacturing process shall be covered under the hazardous waste Rules 2011 and compliance of existing project shall be verified. After deliberation, it was unanimously decided to consider the project for TOR/Scoping only after satisfactory submission of the following details.

1. Management of Sodium Bromide solution with details of actual users along with copy of MoU and CC&A of end-users.
2. Copy of Consent to Operate (CC&A) obtained along with point wise compliance status of all the

conditions stipulated therein.

3. 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.

20	SIA/GJ/IND2/16866/2016	M/s: Primarius Custom Synthesis Pvt. Ltd. Plot no.48/3 GIDC Nandesari, Taluka: Vadodara, Dist: Vadodara	Screening & Scoping
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Project / Activity No.: 5(f)

- M/s: **Primarius Custom Synthesis Pvt. Ltd.** (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/16866/2016 dated 30/07/2016.

Project status: New

Project / Activity Details:

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

S. No.	Name of Products	Quantity MT /Month
Tetrazolium chloride and Tetrazolium Derivatives		
1.	Triphenyl Tetrazolium Chloride	0.2
2.	Nitro Blue Tetrazolium Chloride	
3.	Blue Tetrazolium Chloride	
4.	Iodo Nitro Tetrazolium Chloride	
5.	Thiozoly Tetrazolium Blue Bromide (MTT)	
Phenanthroline Derivatives		
6.	Neocuproine	0.5
7.	1,10 Phenanthroline	
Quinoline and Quinaldine Derivatives		
8.	8 Nitro Quinoline	0.5
Methylene Blue and its intermediates		
9.	Azure A	0.2
10.	Azure B	
11.	Methylene Blue	
Other Products		
12.	Di-Phenyl Iodonium Nitrate	0.1
13.	Dithizone	0.1
14.	Resazurin Sodium	0.1
15.	1,5 Di-Phenyl Carbazide	0.1
16.	1,5 Di-Phenyl Carbazole	0.1
TOTAL		1.9

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

Total plot area is 464.50 sq. m & unit has proposed sq m area for the green belt development/Tree plantation. Expected project cost is INR. 20 Lakhs. Water requirement for the proposed project will be 4.9 KL/day (1 KL for Domestic, 1 KL for Gardening, 2.9 KL for Industrial Purpose). Unit has proposed to reuse 0.3 KL/day of process effluent. Hence, fresh water requirement will be 4.6 KL/day which will be sourced from GIDC. Industrial waste water generation will be 2.9 KL/day, which will be treated in proposed Primary

treatment plant and treated waste water will be sent to CETP-Nandesari. Domestic waste water (0.7 KL/day) will be disposed off into septic tank/soak pit system. There will be no use of fuel hence no generation of flue gas. Process gaseous emissions will be as below:

Sr no	Source of emission (Name of Product)	Type of Emission	APCM
1	1,5 diphenyl carbazide	NH ₃	Acidic Scrubber
2	Tetrazolium derivatives	NO ₂	Alkali scrubber
3	Dithizone	H ₂ S	Alkali scrubber

Hazardous waste generation and management :

Sr. no.	Type/Name of Hazardous waste	Source of generation	Quantity (MT/Annum)	Disposal Method
1.	ETP Sludge	Waste Water Treatment	12.0 MT/Annum	TSDF site
2.	Process solid waste (inorganic salts)	Process	27.6 MT/Annum	TSDF site
3.	Process Residue	Process	25.2 MT/Annum	CHWIF site
4.	Discarded Containers/ bags	Raw material storage	12.0 MT/Annum	Authorized recyclers.

Observations/Discussion:

Technical presentation made during the meeting by project proponent. During meeting, Committee noted that there is a letter received from CETP of Nandesari regarding request to not give any permission to any Industry applying for Environmental Clearance without prior consent letter, treatability studies conducted by CETP GIDC Nandesari. Upon asking about such permission from the CETP NIA, PP informed that they will submit the same. After detailed deliberations the Committee sought following additional information for further consideration of the proposal:

1. Permission letter from CETP-NIA regarding your proposed project.

21	SIA/GJ/IND2/58002/2016	M/s: DIC Fine Chemicals Pvt. Ltd. Plot No. Z/3, Vill. Luvara, Ta. Vagra, Dist. Bharuch	Appraisal
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Project / Activity No.: 5(f)

- M/s: DIC Fine Chemicals Pvt. Ltd. (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/58002/2016 dated 01/08/2016.
- Earlier, Project was considered in the SEAC meeting dated 07/05/5016.
- During the meeting, looking to the no increase in water pollution, use of natural gas as a fuel and location of the project in SEZ-Dahej, the project was categorised as B2 project and the additional information was sought for appraisal of the project.

Project status: Existing unit

Project / Activity Details:

This is an existing unit engaged in manufacturing of Synthetic organic chemicals and now proposes for

addition of Wax & Additives without increase in total capacity of production quantity as tabulated below:

Sr. No.	Name of the Products	Capacity (MT/Month)
Existing		
1.	Printing Inks (Including Resins, Varnishes)	2500
Proposed (Total after expansion)		
1.	Printing Inks (Including Resins, Varnishes, Wax & Additives)	2500

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

As a part of a backward integration of the existing project, project proponent has proposed to produce Wax & Additive in-house for captive consumption as well as for their group companies which can reduce the cost of their product by 3-5 %.

Plot area is approx. 201291.84 sq. m. No additional land is required for the proposed expansion. Unit has proposed 50000 sq. m area for green belt/tree plantation. Estimated cost of proposed expansion is Rs. 10 Crores.

PP presented that production is not going to increase as it will be covered in existing approved EC/CTE/CCA: 2500 MT/Month) and the changes do not require reconfiguration of plant layout or equipment. Addition of Wax & Additives will be manufactured by Mixing and Blending operation only and no chemical reaction will be involved for the same. Fresh water requirement (252 KL/day) and waste water generation (92 KL/day- 40 KL Domestic & 52 KL Industrial) after proposed change in product mix will not be increased. Waste water generation is mainly from scrubbing system (27 KL/day), Boiler (10 KL/day) and cooling (15 KL/day). Unit has provided ETP having Primary, Secondary & Tertiary Treatment Facility. The treated industrial effluent is utilized on land within premises for irrigation/plantation/gardening (by drip irrigation method for reuse of treated industrial effluent). Domestic waste water (40 KL/day) is disposed off into septic tank/soak pit system. At present Natural gas (8470 SCM/Hr) is used in one Boiler (2.8 TPH) and one TFH (10 Lac Kcal/Hr). Unit has proposed one TFH (2 Lac Kcal/hr) for proposed expansion. Natural gas will be used as a fuel for TFH. HSD (10 KL/day) is used as a fuel for existing two DG sets (1063 KVA). Unit has provided Dust filters and vapor water scrubber in series with Varnish manufacturing area to control dust, SO₂, NO_x & NH₃. No additional process stack is envisaged.

Hazardous waste generation from the existing facility is Spent Oil (2 MT/Annum), ETP Sludge(9 MT/Annum), Discarded Drums/ Containers/Barrels, Liners (1200 Nos./Month), Jumbo Bags (1 Nos./Month), Empty Tins/Plastic Tins (5 Nos./Month), Empty Paper Bags/Plastic/Box/Pitch Board etc.(13 MT/Annum),Waste Ink Spillage Waste/Waste Varnish Spillage (1 MT/Annum),Contaminated Cotton Waste (360 MT/Annum),Filter Bags Socked with Ink and Varnish (34 MT/Annum), Cartridge(0.5MT/Annum). There is no any increase in hazardous waste quantity after the proposed change in product mix.

Observations & Discussions:

Technical presentation made during the meeting by project proponent. While discussing about the waste water management, Committee noted that there is no additional waste water generation from the proposed activity and existing mode of disposal i.e. reuse for plantation/gardening will be continue. However, Committee suggested to explore the possibilities to use treated effluent for industrial purpose to which PP

was agreed upon. After detailed deliberations the Committee sought following additional information for further consideration of the proposal:

1. Explore the possibilities to use treated waste water for industrial purpose instead of using it for gardening / plantation.
2. Proposal for Sewage treatment plant for 40 KLD domestic waste water and its management.
3. Detailed plan to manage treated trade effluent and 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.
4. Revised water balance diagram including above points and its relevant details.

22	SIA/GJ/IND2/57735/2016	M/s: B & B Industries Plot no.11, Village Antaliya, Ta- Gandevi, Dist. Navsari.	Appraisal
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Project / Activity No.: 5(f)

- M/s: B&B Industries (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/57735/2016 dated 05/08/2016 along with additional details sought regarding grant of Environmental Clearance.
- 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.
- Earlier, the project proponent was called for brief presentation and discussion in the meeting of the SEAC held on 24/02/2016.
- During the meeting dated 25/02/2016, PP informed that water requirement is 9 KL/day. Fuel requirement is 0.55 MT/day and Chemicals to be used are not covered in MAH category. Hence, the proposed products of Resin fall under Category B of project activity 5(f) as per the EIA Notification 2006. Looking to the small scale of the project, low pollution potential and the details presented during the meeting, after detailed discussion, the project was categorized as B2 and additional information was sought from the project proponent for appraisal of the project:

Project status: New

Project / Activity Details:

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

Sr.no.	Name of Products	Quantity MT/Month
1	Phenol Formaldehyde Resin	15
2	Melamine Formaldehyde Resin	15
3	Urea Formaldehyde Resin	170

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

Total plot area is 469.48 sq. m & unit has proposed 157 sq m (33%) area for the green belt development/Tree plantation. Aerial distance of nearest residential area of Village Antalia is @ 0.92 km from the project site. Expected project cost is Rs. 0.70 Crores. Total water consumption for proposed project will be 9 KL/day (0.35 KL for Domestic, 0.4 KL for Gardening, 8.25 KL for Industrial) which will be sourced from Bore well water supply. Industrial waste water generation will be 0.55 KL/day, which will be treated in proposed Primary, treatment plant and treated waste water will be evaporated. Domestic waste water (0.31 KL/day) will be disposed off into soak pit system. It is proposed to install one steam Boiler (1TPH). Briquettes of Bio coal (0.55 MT/day) will be used as fuel for Boiler. Dust collector followed by Bag filter is proposed as APCM. Unit has proposed one DG set (50 KVA) in which Diesel (9.3 ltrs/hr) will be used as fuel.No process gas emission is envisaged. Hazardous waste generated from the manufacturing activity will be ETP sludge (0.009 MT/Month), Discarded containers/Bags/Liners (0.146 MT/Month) and used oil (50 Lit/Month). 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/vendors after decontamination. Used oil will be sold only to the registered recyclers.

Observations & Discussions:

Technical presentation made during the meeting by project proponent. Committee observed that there is no discharge of waste water from the premises and zero liquid discharge status will be maintained. Committee was satisfied with the reply submitted by project proponent. After deliberations on various aspects, the committee decided to recommend the project to SEIAA, Gujarat for the grant of Environmental Clearance.

23	SIA/GJ/IND2/57864/2016	M/s: Prime Polymers Plot No.3346, GIDC Chhatral, Phase-IV, Vill- Chhatral, Ta. Kalol, Dist. Gandhinagar.	Appraisal
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Project / Activity No.: 5(f)

- M/s: Prime Polymers herein after Project Proponent – PP) has submitted application for new project vide their online proposal no. SIA/GJ/IND2/57864/2016 dated 28/07/2016.
- Earlier proposal was considered for screening and scoping during SEAC meeting held on 23.03.2016.
- Looking to the small scale of the project, technical aspects of the project, low pollution potential and the details presented during the meeting, after detailed deliberation, the project was categorized as B2 category project and the additional information was sought for appraisal of the project.

Project status: New

Project / Activity Details:

This is a new project and proposed products are as below:

Sr. No.	Name of the Product	Quantity (MT/ Month)
1	Unsaturated Polyester Resins	600

2	Saturated Polyester Resins	
3	Alkyd Resin	
4	Vinyl Ester Resin	100
Total		700

The proposed production activity falls in the project/activity 5(f) as per the schedule of the EIA Notification-2006. Total plot area is 1325 m². Green belt area is 400 m². Total cost of project is Rs. 1.25 Crores. Total water requirement is 3.25 KL/day. Unit has proposed to recycle 0.75 KL/day of treated water (Condensate water) for cooling purpose. Hence, fresh water requirement from the GIDC will be 2.5 KL/day. Waste water generation is 2.3 KLPD (From industrial use, cooling tower rejection:0.06, Condensate: 1.44 KLPD and domestic waste water: 0.8 KLPD). Domestic wastewater will be disposed off in to soak pit via septic tank. Condensate waste water: 1.44 KLPD and cooling tower rejection 0.06 KLPD will be treated in ETP and 0.75 KLPD waste water will be recycled in cooling tower and rest quantity of 0.75 KLPD will be evaporated in evaporator of capacity 125 litre per hour. Total 1500 Lit/day of effluent will be generated during the manufacturing process. The effluent is generated as high TDS and low TDS. The high TDS and low TDS effluent will be collected in separate collection tank. The effluent will be transferred in to Neutralization Tank. The neutralize effluent will be passed through the filtered notch. The filtered treated effluent will be collected in to the final collection tank. The treated effluent from the final collection tank will be reused/evaporate in cooling tower/ evaporator depends up on the TDS. Unit has proposed a TFH with stack height 12 meter and one DG Set of 65 KVA(Diesel: 7 litre per hour).There is no process gas emission. Natural gas (0.3 MT/day) is proposed to be used as fuel.

Hazardous waste generation details is as under:

Sr. No.	Name of the Waste Generated	Source of Waste Generation	Quantity of Total Waste	Mode of disposal
1	Spent Oil	Machineries Pump	30 L/Year	Sold to recycler or used as lubricant in machineries)
2	ETP Sludge	ETP	80 Kg/Month	To TSDF site
3	Discarded Drums/Containers	Industrial (Raw Material Packing)	50 No./Month	Reuse/ send back to supplier or Sold to recycler
	Bags		10000 No./Month	Sold to recycler
4	Evaporation Residue	Condensate	30 Kg/Month	To TSDF site

Observations & Discussions:

Technical presentation made during the meeting by project proponent. While discussing about the management of waste water, Committee observed that there will be no discharge of waste water from the project premises and complete zero liquid discharge status will be maintained.. Upon asking about the

hazardous chemicals storage and handling, PP informed that there will be no need to install storage tanks for storage of raw materials and products as raw materials will be stored in drums/barrels or bags. While reviewing the additional details submitted by project proponent, Committee observed that PP has not submitted proper details of fugitive emission sources & its mitigation measures and solvent management system. After detailed deliberations the Committee sought following additional information for further consideration of the proposal:

1. List of sources of fugitive emissions like Crushing, Pulveriser, Drying sections etc. and its mitigation measures. Give complete outline of source equipments and APCM. (Line diagram shall be included).
2. Point no. 22 regarding Solvent management details.

24	SIA/GJ/IND2/57239/2016	M/s: Kroma Paints Survey no.582,Vill. Dhamatwan, Ta.: Dascroi, Dist.: Ahmadabad.	Appraisal
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Project / Activity no.: 5(h)

- M/s: Kroma Paints herein after Project Proponent – PP) has submitted application for EC vide their online proposal no. SIA/GJ/IND2/57239/2016 dated 20/08/2016.
- Earlier, proposal was scheduled for screening/scoping on the SEAC meeting held on 09/09/2015 and committee asked certain information regarding location of the proposed unit for expansion and decided to consider the proposal after submission of the additional details sought.
- PP submitted the details asked by the committee on 08/12/2015. Proposal was considered for screening and scoping during SEAC meeting held on 23.03.2016.
- Looking to the small scale of the project, technical aspects of the project, low pollution potential and the details presented during the meeting, after detailed deliberation, the project was categorized as B2 category project and the additional information was sought for appraisal of the project.

Project status: Expansion

Project / Activity Details:

This is an existing project for making of decorative and industrial paints by ball mill and PP has proposed to expand for proposal of making resin. The proposed production activity falls in the project/activity 5(h) as per the schedule of the EIA Notificaiton-2006.Total plot area is 19,439 m2. Land available for Proposed Resin Plant is 7055 m2. Green belt area is 2330 m2. Total cost of project is Rs. 2.50 Crores. Details of products are as under:

Sr. No.	Name of Products	Proposed Quantity	Total Quantity
1	Quick Drying Alkyd resin	550 MT/Month	550 MT/Month
2	Alkyd resin for Decorative Product		
3	Poly Urethane Resin		

4	Epoxy Resins	50 MT/Month	50 MT/Month
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Details of existing products:

Sr. no.	Name of Products	Existing Quantity	Total Quantity
1	Decorative Paints & Industrial Paints (By Ball Mill)	2500 KL/Month	2500 KL/Month

The source of water for the proposed project will be from bore well. Total water requirement for the proposed project will be 5.1 m³ /day and after proposed project it will be 15.5 m³ /day . The total waste water generation after proposed project from Industrial will be 2.6 m³ /day. 1.3 m³ /day Domestic effluents will be disposed through septic tank& soak pit. Industrial waste water of 2.60 m³ /day will be treated in ETP and passed the treated effluent through RO system from where 2.0 m³ /day permeate will be reused in washing and cooling tower and rejected of the RO @ 0.6 m³ /day will be evaporated. The proposed ETP is shown below: After the reuse of treated RO permeate effluent @ 2 m³ /day to Cooling Tower the water consumption shall reduce to 13.5 m³ /day. Unit has proposed one DG set (65 KVA) as stand-by facility.

Source of flue gas emission is as under:

Sr. no.	Description	Type of Fuel	Quantity
1.	Steam Boiler (0.5 TPH)	LDO	50 Lit/hr
2.	Thermic Fluid Heater (4 lacs kcal/hr)	LDO	50 Lit/hr
3.	Evaporator	-	-
4.	D. G. Set – 65 KVA (Stand by)	Diesel	10 Lit/hr

No process gaseous emission is envisaged. Hazardous waste generation and management details is as under:

Sr. No.	Type/Name of Hazardous waste	Source of generation	Quantity	Disposal Method
1	ETP Sludge	ETP Plant	4.80 MT/Annum	Disposal at TSDF site
2	Evaporation Residue	Evaporator	1.2 MT/Annum	Disposal at TSDF site
3	Used Oil	Machineries	0.36 MT/Annum	Sell to Registered Re processor
4	Discarded Drum	Material Storage	8400 Nos/Annum	Sold to Registered Recycler
	Discarded Bags	Material Storage	6000Nos/Annum	

Observations & Discussions:

Technical presentation made during the meeting by project proponent. While discussing about the management of waste water, Committee observed that there will be no discharge of waste water from the project premises and complete zero liquid discharge status will be maintained. The additional details submitted by project proponent were found satisfactory. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

25	SIA/GJ/IND2/17066/2015	M/s: Precision Wires India Limited Plot No.3, GIDC-Palej, Dist.: Bharuch	Appraisal
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Project / Activity No.: 5(f)

Project status: New

Chronology of EC Process:

- M/s: **Precision Wires India Limited** (herein after Project Proponent – PP) has submitted an application vide their online proposal no. SIA/GJ/IND2/17066/2015 dated 27/08/2016 along with final EIA report regarding grant of Environmental Clearance.
- Earlier the project was considered for TOR finalization in the meeting of the SEAC held on 12/05/2015 and TOR issued to the proposed project.
- Final EIA Report prepared by M/s: Aqua-Air Environmental Engineers Pvt. Ltd., Surat submitted by project proponent vide dated 07/09/2016.

Project / Activity Details:

This is a new unit proposes the manufacturing of following items.

Sr. No.	Product	Production Capacity (MT/Annum)		
		Existing	Additional	Total
1	Winding Wires made of Copper/Aluminium	3000	--	3000
2	Polyesterimide (PEI)	720	1080	1800
3	Polyamide Imide (PAI)	300	420	720
4	Polyester	360	120	480
5	Polyvenyl Acetal (PVA)	--	660	660
6	Epoxy (Self bond)	--	180	180
7	Polyurethane	--	120	120
8	Aromatic Polyamide	--	60	60
	TOTAL	4380	2640	7020

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

Plot area is approx. 59605 sq.m. Unit has proposed 29900 sq. m area for green belt development. Estimated cost of proposed expansion is Rs. 6 Crores. Fresh water requirement after proposed expansion will be increased from 42.5 KL/day to 44.5 KL/day (12.5 Domestic, 20 KL Industrial & 12 KL Gardening) which will be supplied by the GIDC. Wastewater generation after the expansion will be increased from 15.62 KL/day [0.42 KL/day industrial + 11.8 KL/day Domestic] to 16 KL/day [0.70 KL/day industrial + 11.8 KL/day Domestic]. Industrial waste water generation will be from process (0.2 KL/day), Boiler blow down (0.25 KL/day) and from Cooling blow down (0.25 KL/day). Industrial effluent will be sent to Common Effluent Treatment Plant (M/s. Ankleshwar Cleaner Process Technology Centre Ltd.) through tankers after given primary treatment in ETP

Details of flue gas emission is as below:

Sr. No.	Stack Attached to	Fuel Consumption	APCM
Existing			
1.	Boiler & Thermo pack Boiler	LDO: 250 liter/day	Adequate stack height is provided
2.	Heating Oven	Electricity: 60 KW	Adequate stack height is provided
Total after Proposed expansion			
1.	Boiler & Thermo pack Boiler	LDO: 400 liter/day	Adequate stack height is provided
2.	Heating Oven	Electricity	Adequate stack height is provided
3.	Thermopack (2 Lacks Kcal/Hr)	LDO/HSD: 400 liter/day	Adequate stack height shall be provided
4.	Thermopack/Steam Boiler (100 kg steam/Hr)	LDO/HSD: 100 liter/day	Adequate stack height shall be provided
5.	Thermopack: Solid Fuel (6 Lacks Kcal/Hr)	Wood waste: 2750 kg/day Or Coal: 1900 kg/day Or Lignite: 2750 kg/day	Multi Cyclone Separator & Bag Filter

No process gaseous emission is envisaged.

Hazardous waste to be generated are ETP waste (3 MT/Month), Discarded containers (6 MT/Year), Used Oil (1.8 MT/Year), Spent Solvent – Methanol (72 MT/day) and Waste & Waste residue (6 MT/Year). 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 vendors after decontamination. Used oil will be sold only to the registered recyclers. Waste & waste residue will be sent to CHWIF for incineration. Spent solvent will be sold to authorized distillation units. Spent solvent is covered under Prohibition & Excise Dept. and therefore can be given to industry having permission from Prohibition & Excise Dept. only. M/s. Amidhara, Survey no. 638 to 641, Block no. 638, Ramangam Road, Village: Pariyaj- 388180, Tal: Matar, Dist: Kheda or M/s. Alex Industries, Plot No. 9109/4, GIDC Estate, Ankleshwar, Dist: Bharuch (both industries having valid CCA from GPCB for receipt of spent solvent (Methanol) for recovery as well as permission from Prohibition & Excise Dept.).

Observations & Discussions:

Technical presentation made during the meeting by project proponent. Technical presentation made during the meeting by project proponent. The baseline environmental quality has been assessed for various components of the environment viz. air, noise, water, biological and socioeconomic. The baseline environmental study has been conducted for the study area of 5 km radial distance from project site for the period November 2015 to January 2016. Ambient Air Quality monitoring was carried out for PM10, PM2.5, SO2, NOx, VOC and CO at Six locations, including the project site. Values conform to the prescribed standards for Ambient Air Quality. The incremental Ground Level Concentration (GLC) has been computed using ISCST – 3 model. The resultant concentrations are within the NAAQS. Committee noted that there are no by-products and no spent acids generated from the proposed project. PP has submitted compliance status of existing activity. Committee found that EIA report covering compliance of ToR submitted by project proponent was found satisfactory. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

26	SIA/GJ/IND2/17082/2015	M/s: Hercules Pigments Pvt. Ltd. Plot No. 1704, GIDC, Sarigam, Dist.: Valsad	Appraisal
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Project / Activity No.: 5(f)

Project status: New

Chronology of EC Process:

- M/s: **Hercules Pigments Pvt. Ltd.** (herein after Project Proponent – PP) has submitted an application vide their online proposal no. SIA/GJ/IND2/17082/2015 dated 29/08/2016 along with final EIA report regarding grant of Environmental Clearance.
- Earlier the project was considered for TOR finalization in the meeting of the SEAC held on 03/02/2016 and TOR issued to the proposed project.
- Final EIA Report prepared by M/s: Eco chem. Sales & Service, Surat was submitted by project proponent vide dated 07/10/2016.

Project / Activity Details:

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

Sr. no.	Name of Products	Quantity
	Organic Azo Pigments (Orange/Yellow/Red)	150 MT/Month

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

Total plot area is 4306 sq. m & unit has proposed 980 sq m area for the green belt development/Tree plantation. Expected project cost is INR. 7 Crores and the capital cost for environmental protection measures is proposed as INR. 50 Lakhs. The annual recurring cost towards the environmental protection measures is proposed as INR. 5. Lakhs/Year. Total water consumption for proposed project will be 260 KL/day (5 KL for Domestic, 1 KL for Gardening, 254 KL for Industrial) which will be sourced from GIDC water supply. Industrial waste water generation will be 250.2 KL/day, which will be treated in proposed Primary & Secondary treatment plant (Capacity 300 KL/day) and treated waste water will be sent to CETP of Sarigam. Domestic waste water (4 KL/day) will be disposed off into soak pit system. It is proposed to install one steam Boiler (2.5TPH) and one Hot Air Dryer. Natural gas (1700 SCM/day for Boiler and 800 SCM/day for HAG) will be used as a fuel. Drying of pigments will be carried out in tray dryers. Pulverization of pigments will be carried out in a closed circuit grinding equipment. Unit has proposed one DG set (200 KVA) in which HSD (40 ltrs/hr) will be used as fuel. No process gas emission is envisaged. Hazardous waste generated from the manufacturing activity will be ETP sludge (50 MT/Year), Discarded containers/Bags/Liners (1 MT/Year) and used oil (0.005 MT /Year). 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/vendors after decontamination. Used oil will be sold only to the registered recyclers.

Observations/Discussion:

Technical presentation made during the meeting by project proponent. The baseline environmental quality has been assessed for various components of the environment viz. air, noise, water, biological and socioeconomic. The baseline environmental study has been conducted for the study area of 10 km radial distance from project site for the period March 2016 to May 2016. Ambient Air Quality monitoring was carried out for PM10, PM2.5, SO2, NOx, NH3, VOC and CO at Seven locations, including the project site. Values conform to the prescribed standards for Ambient Air Quality. The incremental Ground Level Concentration (GLC) has been computed using ISCST – 3 model. The resultant concentrations are within the NAAQS. Committee noted that there are no by-products and no spent acids generated from the proposed project. Committee found that EIA report covering compliance of ToR submitted by project proponent was found satisfactory. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

27	SIA/GJ/IND2/58715/2016	M/s: Apex Enterprise Plot No. Opp. GIDC, N.H. No. 08, Kabilpore, Village Sisodra (Ganesh), Ta- Navsar0, Dist. Navsari.	Appraisal
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Project / Activity No.: 5(f)

- M/s: Apex Enterprise (herein after Project Proponent – PP) has submitted application vide their proposal no. SIA/GJ/IND2/58715/2016 dated 30/08/2016 along with additional details sought regarding grant of Environmental Clearance.
- 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.
- Earlier, the project proponent was called for brief presentation and discussion in the meeting of the SEAC held on 24/02/2016.
- During the meeting dated 24/02/2016, PP informed that water requirement is 17.06 KL/day. Fuel requirement is LDO-100 Lit./hr and Chemicals to be used are not covered in MAH category. Hence, the proposed products of Resin fall under Category B of project activity 5(f) as per the EIA Notification 2006.
- Looking to the small scale of the project, low pollution potential and the details presented during the meeting, after detailed discussion, the project was categorized as B2 and additional information was sought from the project proponent for appraisal of the project:

Project status: Existing

Project / Activity Details:

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

Sr. no.	Name of Products	Existing Capacity MT/Month	Additional MT/Month	Total after proposed expansion
1	Optical Whitening Agent 1,4 – Bis [O-Cyano Styryl] Benzene	7		
2	Dilution of Optical Whitening agent (45 %) from 1, 4 Bis (o-Cyano styryl) Benzene (Produced from Existing production)	--	60	
3	Dilution of Optical Whitening agent (45 %) from 1-(2 Cyano Styryl) 4-(4 C- Cyano Styryl) Benzene (To be Purchased-ready from Market)	--	40	

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

At present unit is engaged in manufacturing of 1,4 – Bis [O-Cyano Styryl] Benzene (Crude whitening agent). Unit has obtained CC&A from GPCB for existing product. Total plot area is 6475 sq. m & unit has

proposed 200 sq. m area in addition to existing 2339.03 sq. m area for the green belt development/tree plantation. Expected project cost for project expansion is Rs. 0.25 Crores. Fresh water requirement after proposed expansion will be increased from 11.70 KL/day to 17.06 KL/day (4.35 KL Domestic, 3.86 KL Industrial & 8.85 KL Gardening) which will be sourced from the Bore well. Industrial wastewater generation for existing activity is 0.5 KL/day [0.075 KL from utilities + 0.2 KL from process, 0.2 KL from washing & 0.025 KL from Scrubber]. Unit has provided ETP for 0.5 KL/day of industrial waste water and treated waste water is used for gardening and plantation within premises. There will be no waste water generation for proposed expansion. Now unit has proposed evaporator (Electric evaporator – 500 Lit./day) after ETP and zero liquid discharge will be maintained. Domestic waste water (4.35 KL/day) will be disposed off into septic tank/soak pit system. At present unit has provided 0.2 TPH steam boiler in which LDO is used as a fuel. Unit has proposed one DG set (10 KVA) as a stand-by facility. HSD will be used as a fuel for DG set. Unit has provided two Stage Alkali Scrubber for control of process gas emission of HCl & CL₂. There will be no additional fuel consumption and no additional process gaseous emission from the proposed expansion. Hazardous wastes generated at present are ETP waste (5 Kg/Month), Evaporation residue (10 Kg/Month), Carbon & Hyflow powder (39 Kg/Month), Discarded containers (100 no.s/Month), Process residue (5 Kg/Month), Scrubbing Salt (0.5 Kg/Month) and used oil. ETP waste, Evaporation residue, Carbon & Hyflow powder will be generate & disposed them to TSDF Site. ETP waste, Process residue and Scrubbing Salt 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 recyclers.

Observations & Discussions:

Technical presentation made during the meeting by project proponent. During the meeting, waste water management and methodology for achieving zero liquid discharge was discussed. Committee asked project proponent to provide adequate evaporation system to achieve ZLD. The additional details submitted by project proponent were found satisfactory. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

28	SIA/GJ/MIS/11362/2016	M/s: Good Earth Maritime Jakhau Port, Jakhau, Abadasa, Dist.: Kutch	Appraisal
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Project proponent remained absent for the above proposal. After deliberation, committee decided to defer the proposal in one of the upcoming SEAC meeting for further consideration.

29	SIA/GJ/IND2/16971/2015	M/s: Viswaat Chemicals Plot no. D-III/10, Dahej-III, GIDC, Dist.: Bharuch	Appraisal
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Project / Activity No.: 5(f)

Project status: New

Chronology of EC Process:

- M/s: **Viswaat Chemicals** (herein after Project Proponent – PP) has submitted an application vide their online proposal no. SIA/GJ/IND2/16971/2015 dated 11/08/2016 along with final EIA report regarding grant of Environmental Clearance.
- Earlier the project was considered for TOR finalization in the meeting of the SEAC held on

10/03/2015 and TOR issued to the proposed project.

- Public Hearing was conducted by Gujarat Pollution Control Board on 08/07/2015 at project site.
- Final EIA Report prepared by M/s: Jyoti Om Chemical Research Centre Pvt. Ltd., Vadodara was submitted by project proponent vide dated 22/08/2016.

Project / Activity Details:

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

Sr. no.	Name of the Products	Quantity (MT/Month)
1.	Ethylene Oxide /Propylene Oxide based Surfactants & Specialty Products	4000
2.	Sulphonated Products (Textile, Leather Chemicals)	1000
3.	Esters	1000
4.	TrisHydroxy Ethyl IsoCyanurate (THEIC) and Derivatives.	650
5.	Distilled Products (Phenoxy Ethanol, Ethers, Specialty Amines and its homologue)	650
6.	Polymerisation Products (Leather, Textile, Construction Chemicals, Paints emulsions, Fibre Glass industry Applications)	1000
7.	Formulated Products (Leather, Process Chemicals, Construction Chemicals specialty Amines, Glycols)	1500
	Total	9800

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

Total plot area is 42284 sq. m & unit has proposed 14719 sq. m area for green belt development. Total cost of the project is Rs.100 Crores and the capital cost for environmental protection measures is proposed as INR. 6.5 Crores. The annual recurring cost towards the environmental protection measures is proposed as INR. 3.08 Crores per Annum. Total water consumption for proposed project will be 300 KL/D (5 KL for Domestic, 15 KL/day for Gardening & 280 KL for Industrial) which will be sourced from GIDC water supply. Industrial waste water generation (45 KL/day) will be treated in proposed ETP (Cap. 45 KL/day) comprises of Primary, Secondary & Tertiary treatment plant and treated waste water will be sent to RO system (Capacity 60 KL/day). RO permeate stream (30 KL/day) will be recycled. RO reject stream (15 KL/day) will be sent to 2 stage MEE (Capacity 20 KL/day). Condensate generated from MEE (14 KL/day) will be recycled. Total reuse of recovered water will be 44 KL/day. Hence, actual water requirement will be 256 KL/day. Boiler blow down water (6 KLD) will be reused for spraying in coal and fly ash. Cooling tower blow down water (5 KLD) will be reused for drum and barrels cleaning. DM water plant blow down water (5 KLD) will be reused for bags and barrels cleaning. Domestic waste water (5 KL/day) will be disposed off into soak pit system. Unit has proposed two Boilers (6 TPH each), one TFH (10 Lac Kcal/hr) and two DG sets (500 KVA each). Unit has proposed Coal-1000 MT/Month for Boilers. One 6 TPH boiler will be kept as

stand-by. LDO (60 MT/Month) will be used as fuel for TFH. Diesel (10 KL/Month for each G set) will be used as fuel for two DG sets (Capacity 500 KVA each). Unit has proposed ESP for Boilers as APCM. Process gases (HCL, VOCs etc.) will be emitted from different reactors viz. Ethoxylation/Propoxylation Reactor, Chloro Sulphonation Reactors, Esterification Reactor, Polymerisation Reactor, Distillation unit/Condensor Vents & THEIC (2-Tris Hydroxy Ethyl Iso Cynurate). Unit has proposed Alkali Scrubber with carbon adsorption tower as APCM for control of VOC and gaseous emissions of HCl. Dilute HCl generated will be in small quantity, which will be sent to ETP for treatment. There is no solvent recovery in the project. Methanol is used and goes along with the product. ETP waste (25 MT/Month) will be disposed off at the Common TSDF site. Process waste (0.5 MT/Month) will be disposed off at the CHWIF or sent for co-processing. 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 recyclers. Unit has obtained membership of integrated Common Hazardous waste management facility of BEIL-Ankleshwar.

Observations/Discussion:

Technical presentation made during the meeting by project proponent. The baseline environmental quality has been assessed for various components of the environment viz. air, noise, water, biological and socioeconomic. The baseline environmental study has been conducted for the study area of 10 km radial distance from project site for the period March 2015 to May 2015. Ambient Air Quality monitoring was carried out for PM₁₀, PM_{2.5}, SO₂, NO_x, HCl, Cl₂, NH₃, VOC and CO at eight locations, including the project site. Values conform to the prescribed standards for Ambient Air Quality. The incremental Ground Level Concentration (GLC) has been computed using ISCST – 3 model. From the dispersion modeling studies conducted, it was observed that the maximum ground level concentration occurs in the North East direction. The maximum incremental increase in concentration for SO₂, NO_x and PM is 2.0 µg/m³, 0.96 µg/m³ and 2.33 µg/m³ respectively at a distance of about 1 km in the North East direction. Whereas, the maximum incremental increase in concentration for HCl is 0.1 µg/m³ at a distance of about 1 km in the East direction. The Committee deliberated upon the issues raised during the Public Hearing / Public Consultation meeting conducted by GPCB. The issues were raised regarding local employment, CSR, Green belt development etc. The Committee noted that issues have satisfactorily been responded by the project proponent and incorporated in the final EIA-EMP report.

Committee noted that project proponent has proposed two options for waste water treatment and its disposal viz. ZLD and discharge of treated waste water into GIDC drainage. Committee asked project proponent to go for Zero liquid discharge (ZLD) to which project proponent agreed upon. Committee noted that there is no by-products and no spent acids generated from the proposed project. While discussing about the health and safety issues, PP informed that there will be provision of PPE, antidotes, periodic inspection & testing of pressure vessels, equipments, machineries, pre-employment medical checkup, periodic health checkup, training of firefighting, work permits system, first aid, safe handling of hazardous chemicals and integrating safety. Further he informed that Hazardous processes will be operated by trained workers and will be supervised by qualified & experienced staff. Committee found that EIA report covering compliance of ToR submitted by project proponent was found satisfactory. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

30	SIA/GJ/IND2/16965/2015	M/s: Rhythm Chemicals Pvt. Ltd Plot no. A1-441/1, 8208/4, A2 – 441 /9,GIDC -Sachin, Ta.: Chorasi, Dist.: Surat	Appraisal
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Project / Activity No.: 5(f)

- This office has received an application vide their online proposal no. SIA/GJ/IND2/16965/2015 dated 15/07/2016 regarding grant of Environmental Clearance.
- Project proponent has submitted EIA Report prepared by M/s: Aqua-Air Environmental Engineers Pvt. Ltd. on the TOR prescribed to the project in SEAC meeting dated 17/11/2015.

Project status: Expansion**Project / Activity Details:**

This is an existing unit engaged in distillation of used solvents and decontamination of discarded containers and resale and now unit proposes the manufacturing of bulk drugs tabulated as below:

Sr. no.	Name of the Products	Existing	Proposed
1.	Distillation of Solvent	400 MT/Month	800 MT/Month
	(i). Recovered Solvent And/or		
	(ii). Acetone And/or		
	(iii). Ethyl Deetate And/or		
	(iv). IPA And/or		
	(v). MDC And/or		
	(vi). EDC		
2.	Receipt, Storage, Rinsing by Solvent, Drying, Denting, Paint and resale of discarded empty MS & HDPE drums, Barrels, Carboys etc.	450 MT/Month i. e. 45,000 Nos/Month	450 MT/Month i. e. 45,000 Nos/Month
3.	Receipt, Storage, Treatment of contaminated Inner Bag / Outer Bag or Liners	50 MT/Month	50 MT/Month
	4-Hydroxy Cumerine	NIL	0.5 MT/Month
5.	Trimethyl ortho benzoate	NIL	2 MT/Month
6.	Tri alkyl Ortho Alkonates	NIL	0.55 MT/Month
7.	2,4-thiazolidinedione	NIL	0.55 MT/Month
8.	1-(2-Hydroxy ethyl) pyrrolidine	NIL	0.5 MT/Month
9.	1-Alkyl Piperazine		
	1-Benzyl Piperzaine	NIL	0.5 MT/Month
	1 - methyl Piperazine	NIL	0.5 MT/Month
	1-Formyl Piperazine	NIL	0.5 MT/Month

10.	1-Aryl Piperazine		
	1-(2-Chloro Phenyl)piperazine	NIL	0.5 MT/Month
	1-Phenyl Piperazine	NIL	0.5 MT/Month
11.	1-Benzyl-4-piperidone	NIL	0.5 MT/Month
12.	3-methoxy propiophinone	NIL	0.5 MT/Month
13.	4-chloro butyraldehyde dimethyl acetal	NIL	0.5 MT/Month
14.	1-(4-Rphenyl)-2-piperidone	NIL	0.5 MT/Month
15.	2-Piperidone(2-PD)	NIL	0.5 MT/Month
16.	Dimethyl Formamide Dimethyl Acetal	NIL	9 MT/Month
17.	1-methyl-4-piperidone	NIL	9 MT/Month
18.	1-Hydroxy benzotriazole	NIL	9 MT/Month
Total		990 MT/Month	1026.6 MT/Month

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

Plot area is approx. 7241 sq. m. Unit has proposed 792 sq. m area for tree plantation and green belt area development. Estimated cost of proposed expansion is Rs. 4.5 Crores. The capital cost of the project is INR. 4.5 Crores and the capital cost for environmental protection measures is proposed as INR. 1.0 Crores. The annual recurring cost towards the environmental protection measures is proposed as INR. 1.25 Crores.

Fresh water requirement after proposed expansion will be increased from 4.8 KL/day to 73 KL/day (5 KL Domestic & 68 KL Industrial) which will be supplied by the GIDC. Wastewater generation after the expansion will be increased from 1.7 KL/day [1.4 KL/day industrial + 0.3 KL/day domestic] to 25 KL/day [20 KL/day industrial + 5 KL/day domestic]. Industrial waste water will be sent to Solvent stripper followed by ETP including Phanton treatment, RO system and Distillation column. RO permeate and distilled water will be reused for utility and process respectively. Unit has proposed complete zero discharge and there will be no discharge of waste water. Unit has proposed ETP (Capacity 30 KL/day) comprises of primary treatment plant including Phenton treatment & SBT followed by RO Plant (Capacity 25 KL/day). RO permeate (16 KL/day) will be reused for utilities. RO reject (4 KL/day) will be sent to existing distillation column. Again distillate water (3.5 KL) will be reused for utilities. Domestic waste water (5 KL/day) will be disposed off into septic tank/soak pit system. At present Natural gas (200 SCM/Hr for each) is used in one Boiler (1 TPH) and one TFH (4 Lac Kcal/Hr). Two DG sets (85 & 100 KVA) are installed for emergency purpose in which LDO/HSD is used as fuel. Unit has proposed one steam boiler of 2 TPH in which Natural gas (600 SCM/Hr) will be used as fuel. At present NG (200 SCM/day for Boiler and 200 SCM/day for TFH) is used as a fuel for existing Boiler and TFH. At present unit is having a two DG set of capacity 100 KVA and 85 KVA. Unit has proposed to remove the existing DG set having capacity 100 KVA and will install new DG set having

capacity of 250 KVA. At present there is no process gaseous emission from the existing activities. Unit has proposed two stage scrubber with reaction vessel to control HCL & NH₃ emission. ETP waste (4.5 MT/Month) will be disposed off at the Common TSDF site. Distillation residue (12 MT/Month) will be sent to CHWIF or sent for co-processing. Carbon Residue (0.5 MT/Month) will be sent to TSDF site. Used oil will be sold only to the registered recyclers. Discarded barrels / containers / Liner bags & Outer bags / liners will be either reused or returned back to suppliers or sold only to the authorized vendors after decontamination. Unit has obtained membership of integrated Common Hazardous waste management facility of SEPPL. Spent solvents (Mixed Solvents, Toluene, Methanol, Piperazine, MDC, THF, Propionic Acid, Chloro Benzene will be subjected to in-house distillation unit for recovery of solvent. Recovered solvent will be sent to actual users. Sodium sulphate (1.4 MT/Month), HCl - 32% shall be sold out to actual end-users.

Observations/Discussion:

Technical presentation made during the meeting by project proponent. The baseline environmental quality has been assessed for various components of the environment viz. air, noise, water, biological and socioeconomic. The baseline environmental study has been conducted for the study area of 5 km radial distance from project site for the period October 2015 to December 2016. Ambient Air Quality monitoring was carried out for PM₁₀, PM_{2.5}, SO₂, NO_x, HCl, NH₃ and VOC at eight locations, including the project site. Values conform to the prescribed standards for Ambient Air Quality. The incremental Ground Level Concentration (GLC) has been computed using ISCST – 3 model. The resultant concentrations are within the NAAQS. During the meeting compliance of existing activity was discussed. Upon asking, PP informed that there is no SCN or legal notices issued by GPCB and they are complying the environmental conditions stipulated in CC&A of GPCB. Committee found that EIA report covering compliance of ToR submitted by project proponent was found satisfactory. After detailed discussion, it was decided to recommend the project to SEIAA, Gujarat for grant of Environmental Clearance.

Following cases were also considered during the meeting.

1.	M/S.SRF Limited,	Plot no. D2/1, Phase-II, GIDC- Dahej, Suva, Ta.:Vagra, Dist.:Bharuch	Reconsideration
M/S SRF Limited, Plot no. D2/1, Phase-II, GIDC- Dahej, Suva, Ta.:Vagra, Dist.:Bharuch applied for environmental clearance for expansion of existing specialty chemicals and fluoro chemicals from 1,75,000 MTPA to 5,87,177 MTPA and captive power plant from 25 MW to 75 MW and the SEAC recommended for grant of environmental clearance to the project vide this office letter no. EIA-10-2014-5829-1851 dated 05/08/2016.			
Proposal was scheduled in SEIAA meeting held on 06/08/2016 and was referred back to SEAC vide letter No: SEIAA/GUJ/EC/5(f),4(d) & 1(d)/540/2016 dated 29/08/2016 dated for the following reasons:			
<ol style="list-style-type: none"> 1. To clarify the requirement of amended TOR with respect to revised application. 2. To verify the status of compliance of previous environment clearance granted in line to circulars published vide F.no. J-11011/618/2010-IA-II(I) dated 30/05/ 2012 and J-11013/41/2006-IA-II(I) dated 20/10/2009 by MoEF&CC. 3. To verify the details of AAQM with respect to TOR. 4. Details of end users of Hydrogen Bromide solution. 5. To verify the details of water consumption, waste water generation and its disposal thereof. 6. To verify the details of accreditation of EIA consultant. 			

Project proponent submitted reply on 20/09/2016 which is attached herewith. Reply was considered in the SEAC meeting held on 21/09/2016.

Point 1: Committee noted that PP submitted application for TOR on 16/05/2014 and TORs were accorded during meeting held on 14/10/2014 for various products, raw materials, fuel and resources mentioned in an application. Proposal was appraised during SEAC meeting held on 17/11/2015. Subsequently revised EIA was submitted on 05/05/2016. Revised EIA comprised of change in product matrix under similar category without change in total production capacity with similar unit processes mentioned in proposal for TOR application (Namely Amination, Bromination, Chlorination, Fluorination and Hydrogenation). Revised EIA was appraised during SEAC meeting held on 18/05/2016. It was noted that all the raw materials, utilities, fuel and resources mentioned in revised EIA submitted on 05/05/2016 have already been included in the original application submitted for TOR for which worst case scenario to evaluate environmental impact is studied. Hence it is clarified that amendment in TOR with respect to revised application is not required.

Point 2: PP has submitted compliance of previous environment clearance granted in line to circulars published vide F.no. J-11011/618/2010-IA-II(I) dated 30/05/2012 and J-11013/41/2006-IA-II(I) dated 20/10/2009 by MoEF&CC which is annexed as Annexure III.

Point 3: AAQ monitoring as per TOR is carried out by the PP during the months Dec-2014 to Feb 2015 and during Feb 2016 to March 2016 at six locations which include upwind and downwind sites with reference to the project location. Parameters monitored includes PM10, PM2.5, SO₂, NO₂, HCl, Cl₂, Br₂, HC, NH₃, HF, VOC, CO and it is concluded that all the parameters for all 6 ambient air quality monitoring stations were found within range of permissible limits.

Point 4: PP has proposed not to send Hydrogen Bromide solution to end users and proposed to recover Bromine inhouse. Adequacy report of Schedule I auditor is submitted (Annexure V). Inorganic salt generated after the recovery will be sent to authorized TSDF facility. Committee deliberated on the issue and agreed to the proposal of the PP for Bromine recovery from spent Hydrogen Bromide solution.

Point 5: Revised water consumption, waste water generation and its disposal is submitted by the PP and details are as under

Water Consumption: Total Water Requirement will be 36393 KLPD, This requirement shall be fulfilled from GIDC & recycled water quantities will be 17933 KLPD & 18460 KLPD respectively. For proposed expansion, additional freshwater requirement is 5135 KLPD (17933 KLD (Total Fresh Water) - 12798 KLD (existing CC&A permission). Requirement of 18460 KLPD will be fulfilled by recycled water through RO & UF/RO plants. For gardening, 865 KLPD water requirement will be fulfilled by fresh water of 215 KLPD and treated sewage of 650 KLPD. Water balance diagram is annexed as Annexure VI.

Wastewater Generation: Wastewater generation will be 25199 KLPD (Domestic : 650 KLPD, Utility effluent: 21718 KLP, industrial waste water: 2831 KLPD). Out of 25199 KLPD waste water, 650 KLPD of treated sewage will be reused in Gardening, 2831 KLPD of industrial waste water will be treated in MEE/ETP and 2614 KLPD of industrial waste water will be disposed to the GIDC underground line.

Total 21718 KLPD of utility effluent will be taken in RO Plant. About 18460 KLPD Permeate will be used for (1) Process: 11481 KLPD, (2) Cooling tower make up: 5235 KLPD, (3) D M back wash: 1744 KLPD. Out of 3258 KLPD of RO reject, 100 KLPD will be used for ash quenching and rest 3158 KLPD will be further taken for reverse Osmosis. Further 1895 KLPD RO rejects will be discharged to GIDC line along with discharge of 2614 KLPD of industrial waste water. RO permeate

of 1263 KLPD will be used for boiler feed.

Thus, treated effluent (treated from Bio-logical plant and reject from UF/RO plant) of 4509 KLPD (1895 KLPD Ro reject+ 2614 KLPD Treated W/W) will be disposed to sea through GIDC drainage line.

Point:6: J M Infranet has submitted that stay order from the Hon'ble high court of Rajasthan, Jaipur is continue and case is to be listed on 05/12/3016 before the hon'ble high court.

After deliberation, committee unanimously decided to recommend the proposal to SEIAA with addition of following conditions in continuation to the conditions mentioned in recommendation letter no.:EIA-10-2014-5829-1851 dated 05/08/2016.

Specific Conditions:

1. Unit shall operate Bromine recovery plant from spent HBr in efficient way and shall comply all the recommendation mentioned by Schedule I auditor in a letter and spirit.
2. Unit shall not sale spent HBr solution to end users.
3. Emergency storage facility for treated waste water shall be provided by the Project proponent during maintenance/ damage to the pipeline conveying waste water to the deep sea. There shall be no sale of spent HBr solution to the end users.

Additional Condition:

Under the Hazardous/ Solid waste, condition No: 22, Sr. No: 11 shall be read as under:

S. No.	Name of Hazardous and Other Waste	Proposed Waste Category No as per Rule 2016	UOM	Waste Generating Step	Existing Hazardous Waste	Total Proposed Hazardous Waste Quantity MTPA	Mode of disposal
11	Chemical sludge from waste water treatment (MEE / ATFD Salt)	35.3	MTA	MEE / ATFD Process	0	73858 + 1800 (From Bromine recovery plant)= 75,658	Collection, Storage, Transportation, disposal at TSDF.

In view of the above, Proposal is recommended to SEIAA for grant of environmental clearance with stipulation aforementioned conditions in addition to that mentioned in recommendation letter no.:EIA-10-2014-5829-1851 dated 05/08/2016 with no change in rest of the conditions:

2.	M/S. Deepak Nitrite limited M/S. Deepak Phenolics limited,	Plot No.:12/B, GIDC Industrial Estate Dahej, Taluka Vagra, District Bharuch, Gujarat	Reconsideration
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➤ M/S. Deepak Nitrite limited

M/S. Deepak Phenolics limited Plot No.:12/B, GIDC Industrial Estate Dahej, Taluka Vagra, District Bharuch, Gujarat applied for amendment in environmental clearance and the SEAC recommended for grant of amendment to environmental clearance of the project vide SEAC's recommendation letter no.:EIA-10-2015-513-E-1412 dated 13/06/2016 and SIA/ GJ/ IND-2/3570/3277/2014-1974 dated 24/08/2016

- Proposal was scheduled in SEIAA meeting held on 14 September 2016 and was referred back to SEAC vide letter SEIAA/GUJ/EC/5(f),4(d) & 1(d)/562/2016 with request to provide the details of bifurcation of the environmental clearance conditions in standard format.
- Kindly note that Project Proponent has been accorded Environmental Clearance vide letter NO: SEIAA/GUJ/EC/5(f),4(d).1(d)/131/2012 dated 15/05/2012 with amendments vide letter Nos: SEIAA/GUJ/EC/ SEIAA/GUJ/EC/5(f), 4(d).1(d)/ 120/2014 dated 06/08/2014 and SEIAA/GUJ/EC/5(f),4(d).1(d) /272/2014 dated 28/10/2014.
- The letter no. SEIAA/GUJ/EC/5(f),4(d) & 1(d)/562/2016 dated 14 Sept 2016 of SEIAA was considered in SEAC meeting held on 21/09/2016. After detailed deliberation, committee decided to recommend grant of amendment in EC to SEIAA with following details :
- Details of bifurcation of the environmental clearance conditions as desired is mentioned below:

A) SPECIFIC CONDITIONS:

S. No.	Conditions	DNL	DPL
Specific Condition			
1	No fresh water shall be used for dilution of industrial effluent in any case.	Yes	Yes
	The unit shall install three MEE (1X 20 KL/Hr. & 2X 21 KL/Hr. capacities) for OBA plant and three MEE (1X32 KL/Hr. & 2X21 KL/Hr. capacities) for DASDA Plant for salt recovery.	Yes	NA
A.1 WATER			
2	No ground water shall be used for the project. Fresh water requirement of 7,656 KL/day shall be met only through the GIDC water supply	5608 KL/day	2048 KL/day
3	The waste water generation from the project shall not exceed 6131.5 KL/day [including 3,319 KL/day (3,233.4 industrial + 85.6 KL/day domestic) to be treated in ETP and	5182.5 KLPD (Ind: 5107.90 KLPD, Dom: 74.60 KLPD Ind w/w to be treated in ETP: 2369.60 KLPD	949 KLPD (Ind: 938 KLPD, Dom: 11.00KLPD), Ind w/w to be treated in ETP: 949 KLPD

	2812.9 KL/day to be evaporated in MEE	2812.90 KLPD	NA
4	The treated effluent conforming to the GPCB norms shall be ultimately disposed off into the deep sea through GIDC line. Treated effluent discharge from the unit shall not exceed 3,319 KL/day in any case	2369.60 KLPD	949 KLPD
5	The effluents generated from various plants [except DASDA Plant] shall be treated separately in the ETP of the respective plants. All the ETPs shall be provided with final treated effluent tanks for storage of treated effluent before sending it to main GIDC pit via pipeline.	Yes	Yes
6	The unit shall provide adequate ETPs for respective plants as mentioned in the EIA Report of the project and these ETPs shall be operated regularly and efficiently so as to achieve GPCB norms at the outlet.	Yes	Yes
7	The treated effluent conforming to the GPCB norms shall be ultimately disposed of into the deep sea through GIDC line. Treated effluent discharge from the unit shall not exceed 3319 KL/day in any case.	Yes	Yes
8	The unit shall continuously strive to reduce, recycle and reuse their effluent in order to reduce effluent discharge from the unit	Yes	Yes
9	The unit shall provide the online monitoring system at final outlet of the ETP for monitoring of pH, TOC & flow; with an arrangement to reflect the monitored data on the company's server, which can be accessed by the GPCB on real time basis. The unit shall also maintain	Yes	Yes
10	The unit shall also provide metering facilities at the inlets and outlets of the ETPs, maintain records of the same and furnish it to the GPCB from time to time	Yes	Yes
11	Proper logbooks of ETP operation also showing quantity and quality of effluent discharged, chemical consumed, power consumed etc. shall be maintained.	Yes	Yes
	Proper logbooks of MEE operation also showing quantity and quality of effluent at inlet and outlets of MEE, quantity and quality of condensate water, salt generation etc. shall also be maintained	Yes	NA
12	Regular performance evaluation of the ETP shall be undertaken every year to check its adequacy, through credible institutes like NPC, NEERI, L.D. College of	Yes	Yes

	Engineering or such other institutes of similar repute, and its records shall be maintained.		
13	The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC, GPCB or any such authority created for this purpose by the Govt. / GIDC.	Yes	Yes
A.2 AIR			
14	PNG (25 Sm ³ /Hour) shall be used as a fuel in vent gas incinerator. FO (14.25 kg/Hour) shall be used as fuel in the Thermic fluid Heater for chlorination Plant. Saw dust (125 kg/Hour) shall be used as fuel in Caustic scrubber for FBRS of DASDA Plant. HSD- 100 Lit/Hr. shall be used as fuel in DG Sets (1500 kVA X 2 nos.)	FO-14.25 kg/Hour, Saw dust -125 kg/Hour, HSD- 500 Lit/Hr	PNG- 25 Scm/Hour, HSD- 500 Lit/Hr
15	Indian Coal/ Imported Coal (Total 34.84 MT/Hour / 23 MT/Hour) shall be used as fuel in Hot air Generating unit of OBA plant as well as Boilers [Total 5 no. (i) 22TPH for Hydrogenation, Nitration, Chlorination Plants, (ii) 32 TPH for DASDA Plant, (iii) 16 TPH for OBA Plant, (iv)125 TPH for Phenol & Cumene Plant & (v) 100 TPH for Cogen Plant]. Indian Coal (0.23 MT/Jour) shall be used as a fuel in Thermic Fluid Heater for DASDA Plant.	Indian Coal/ Imported Coal- 12.11 MT/hr./9.55 MT/hr. for 22TPH for Hydrogenation, Nitration, Chlorination Plants, 32 TPH for DASDA Plant, 16 TPH for OBA Plant, Ind. Coal :0.23 MT/Hr for DASDA plant	Indian Coal/ Imported Coal- 22.73 MT/hr./13.45 MT/hr. for 125 TPH for Phenol & Cumene Plant & 100 TPH for Cogen Plant)
16	High efficiency Electro Static Precipitator (ESP) shall be installed as air pollution control system for each of the aforesaid Boilers & Thermic Fluid Heater and it shall be operated efficiently to achieve the norms prescribed by theGPCB at stack outlets. There shall be provision of one extra field in the ESP to ensure that even though one field goes out of order, the efficiency of the ESP would not be affected.	Yes	Yes
17	The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the	Yes	Yes

	company.		
18	Adequate scrubbing systems as mentioned in the EIA Report of the project shall be installed and efficiently operated for control of process emissions from (i) Hydrogenation Reactors, (ii) Nitration Reactors, (iii) Chlorination Reactors, (iv) Drowning Reactors, (v) Oxidation Vats, (vi) OBA Plant Reactors, (vii) HCl Synthesis & Off Gas Treatment Incinerator, (viii) Hydrogen Treatment, (ix) HCl Synthesis Unit and (x) Chlorine Treatment.	Yes	Yes
19	Adequate stack height as per prevailing norms shall be provided for the flue gas and process emissions.	Yes	Yes
20	Online monitoring system shall be installed on the flue gas and process stacks to monitor the pollutant concentrations. An arrangement shall also be made for reflecting the online monitoring results on the company's server, which can be accessed by the GPCB on real time basis.	Yes	Yes
21	The online monitoring system of the Co-gen Plant shall be interlocked with plant DCS in such a manner that if concentration of particulate matter in flue gas emission exceed the prescribed limit, utilization of boiler capacity shall reduce accordingly in order to bring down the particulate matter concentration below the prescribed limit.	Yes	Yes
22	All the vessels used in the manufacturing process shall be close to reduce the fugitive emission. Adequate ventilation system shall be provided in work areas.	Yes	Yes
23	The unit shall undertake measures for solvent recovery and Chilled Brine Secondary Condensers shall be provided for control of evaporation of low boiling solvents.	Yes	Yes
24	Spent solvent recovery shall not be less than 95 percent	Yes	NA
25	Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.	Yes	Yes
26	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from	Yes	Yes

	<p>time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission:</p> <ul style="list-style-type: none"> • Enclosure shall be provided at coal loading and unloading operations. • Coal conveyance through covered coal conveyors only. • Water shall be sprayed on coal stock piles periodically to retain some moisture in top layer and also while compacting to reduce the fugitive emission. • All transfer points shall be fully enclosed. • Accumulated dust on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping. • Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. • Air borne coal dust shall be controlled with water sprinklers at suitable locations in the plant. • Coal shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only 		
27	<p>Regular performance evaluation of the air pollution control systems shall be undertaken every year to check its adequacy, through credible institutes like NPC, L. D. College of Engineering, or other such other institutes of similar repute, and its records shall be maintained.</p>	Yes	Yes
28	<p>Regular monitoring of ground level concentrations of SO₂, NO_x, HCl, Cl₂, PM₁₀ and PM_{2.5} shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.</p>	Yes	Yes
A.3 HAZARDOUS / SOLID WASTE			
29	<p>The unit must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2008.</p> <p>Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous</p>	Yes	Yes

	wastes.		
30	The hazardous wastes shall be stored in separate designated hazardous waste storage facility with impervious bottom and leachate collection facility, before its disposal	Yes	Yes
31	ETP sludge and spent carbon shall be sent to the common TSDF for its disposal.	Yes	Yes
	Sodium sulphate salt recovered from MEEs of the DASDA Plant shall be sold only to the end consumers. Salt recovered from the MEEs of the OBA and ECH Plants shall be either reused or sent to the common TSDF.	Yes	NA
32	Process waste and waste residue shall be sent to the Common Hazardous Waste Incineration facility for its disposal by incineration.	Yes	NA
33	Iron sludge shall be sold out to cement manufacturer or sent to the TSDF for its disposal.	Yes	NA
34	Spent catalysts shall be reused after its regeneration.	Yes	Yes
35	The discarded containers / barrels / liners / bags shall be either reused or sold only to the registered recyclers after its decontamination.	Yes	Yes
36	Used oil shall be sold only to the registered recyclers / reprocesses	Yes	Yes
37	Entire quantity of spent sulphuric acid (70%) to be generated from nitration plant shall be concentrated to 95% in the Spent Acid Regeneration (SAR) Plant and the recovered concentrated sulphuric acid shall be completely recycled back in process. In no case, spent sulphuric acid shall be sold outside as per the notarized undertaking submitted to the SEAC	Yes	NA
38	The dilute hydrochloric acid shall be sold only to the end consumes. Transportation of Hydrochloric Acid shall be done only through dedicated tankers registered with the GPCB and equipped with GPS system. Manifest system as depicted in the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008 shall be followed for sell of dilute hydrochloric acid and its records shall be maintained and furnished to the GPCB at regular intervals	Yes	NA

39	For storage of fly ash, closed silos of adequate capacity shall be provided. No ash pond shall be constructed in the project.	Yes	Yes
40	The ash shall be supplied to the manufacturers of ash based products such as cement, concrete blocks, bricks, panels etc. The unit shall strictly comply with the Fly Ash Notification under the E.P. Act, 1986 and it shall be ensured that there is 100% utilization of ash to be generated from the unit.	Yes	Yes
A.4 SAFETY			
41	Necessary prior permissions from various statutory authorities like PESO-Nagpur, Factory Inspectorate and others shall be obtained.	Yes	Yes
42	The project management shall strictly comply with the provisions made in Manufacture Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals.	Yes	Yes
43	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic, explosive, flammable and combustible chemicals; especially solvents such as benzene, toluene, cumene, xylene etc..	Yes	Yes
44	Storage and use of hazardous chemicals shall be minimized to the extent possible	Yes	Yes
45	Hazardous materials storage shall be at an isolated designated location, bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	Yes	Yes
46	Storage of hazardous chemicals shall be in multiple small capacity tanks / containers instead of one single large capacity tank to reduce the risk.	Yes	Yes
47	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Close handling system for chemicals shall be provided. Double mechanical seals shall be provided for pumps /agitators for reactors for reduction of fugitive emissions and leakages. Solvent traps shall be installed wherever necessary.	Yes	Yes
48	Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised	Yes	Yes

49	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity at all the times	Yes	Yes
50	Necessary tie up with the nearby doctor qualified for occupational health shall be made to ensure that the medical treatment is given within the shortest possible time in case of any adverse condition	Yes	Yes
51	Training shall be given to all workers on safety and health aspects of handling chemicals	Yes	Yes
52	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act and Rules. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirements	Yes	Yes
53	The project management shall prepare On-site and Off-site Emergency Management Plans for the project as per the guidelines from Directorate of Industrial Safety and Health.	Yes	Yes
54	All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act & Rules	Yes	Yes
55	All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.	Yes	Yes
A.5 NOISE			
56	<p>To minimize the noise pollution the following noise control measures shall be implemented:</p> <ul style="list-style-type: none"> ➤ Selection of any new plant equipment shall be made with specification of low noise levels. ➤ Manufacturers / suppliers of major noise generating machines / equipments like air compressors, feeder pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible before supply and installation to mitigate the noise generation and to comply with the national / international regulatory norms with respect to noise generation for individual units ➤ Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact. ➤ Noise suppression measures such as enclosures, buffers and / or protective measures shall be provided. ➤ Employees shall be provided with ear protection measures like earplugs or earmuffs. 	Yes	Yes

	<ul style="list-style-type: none"> ➤ Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipments to reduce noise generation. ➤ Construction equipment generating minimum noise and vibration shall be chosen. ➤ Ear plugs and/muffs shall be made compulsory for the construction workers working near the noise generating activities / machines / equipment. ➤ Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate. ➤ Construction equipment meeting the norms specified by EP Act, 1986 shall only be used. ➤ Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas. ➤ Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment 		
57	<p>The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures, vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules</p>	Yes	Yes
A.6 WASTE MINIMISATION			
58	<p>The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB</p>	Yes	Yes
59	<p>The company shall undertake various waste minimization measures including :</p> <ul style="list-style-type: none"> a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw materials substitutes in other process. c) Use of automated and close filling to minimize spillages. d) Use of close feed system into batch reactors. 	Yes	Yes

	<p>e) Venting equipment through vapour recovery system.</p> <p>f) Use of high pressure hoses for equipment cleaning to reduce wastewater generation.</p> <p>g) Sweeping / mopping of floor instead of floor washing to avoid effluent generation.</p> <p>h) Regular preventive maintenance for avoiding leakage, spillage etc.</p>		
A.7 GREENBELT AND OTHER PLANTATION			
60	The unit shall develop green belt in 33% of the plot area as per the CPCB guidelines. Native and fast growing species shall be planted in the green belt.	Yes	Yes
61	Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Yes	Yes
62	<p>The unit shall also take up adequate plantation at suitable open land on road sides and other open areas within the</p> <p>Dahej estate or in nearby locality or schools in consultation with the GIDC / GPCB / Gram Panchayat and submit an action plan of plantation for next three years to GPCB.</p>	Yes	Yes
B) GENERAL CONDITIONS			
63	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved	Yes	Yes
64	<p>The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for</p> <p>Environment Protection (CREP) published by the Central Pollution Control Board, as may be applicable</p>	Yes	Yes
65	The company shall vigorously implement all the suggestions / recommendations made in the EIA / EMP report of the project and the undertakings submitted by the project proponent.	Yes	Yes
66	During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic wastewater or storm	Yes	Yes

	water.		
67	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Yes	Yes
68	Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly	Yes	Yes
69	A separate Environment Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environment Management and Monitoring functions.	Yes	Yes
70	The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not be any diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported.	Yes	Yes
71	The company shall carry out socio-economic developmental / community welfare activities in consultation with the District Development Officer / District Collector.	Yes	Yes
72	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the REIA report and as proposed by them.	Yes	Yes
73	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Yes	Yes
74	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Yes	Yes
75	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven	Yes	Yes

	<p>days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>		
76	<p>It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.</p>	Yes	Yes
78	<p>The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board</p>	Yes	Yes
79	<p>The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p>	Yes	Yes
80	<p>The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.</p>	Yes	Yes
81	<p>This Environmental Clearance is valid for five years from the date of issue</p>	Yes	Yes

- In view of the above, committee decided to recommend grant of amendment in Environmental Clearance of M/S Deepak Nitrite limited for bifurcation into M/S. Deepak Nitrite limited and M/S. Deepak Phenolics limited for the activities mentioned in recommendation no: EIA-10-2015-513-E-1412 dated 13/06/2016 to SEIAA with details of bifurcation of EC conditions in standard format as mentioned above.

3. **M/s: Meghmani Industries Limited,**
Plot no. Z-6, SEZ, Dahej, Ta.: Vagra,
Dist.: Bharuch

A letter received from M/s: Meghmani Industries Limited, Plot no. Z-6, SEZ, Dahej, Ta.: Vagra, Dist.: Bharuch regarding use of baseline data for preparation of EIA report was considered during meeting.

Earlier this project was issued TOR in the 297th meeting of SEAC held on 13/07/2016 at sr. no. 20 and was communicated to project proponent vide letter no. EIA-10-2016-7551-E/2001 dated 26/08/2016.

Project proponent vide their letter dated 16/09/2016 requested to allow them to use the baseline data that has been collected earlier by another unit located in the vicinity for preparation of the EIA report for their project. As they have requested to allow them to use baseline data, it was considered by the committee with condition that baseline data shall not be older than 3 years and decided to accord the ToR with this amendment.

Kanaiya Industries (Hadmatiya Bauxite Mine), S.No.121/P (lease area 25.14 ha.), Village: Hadmatiya, Ta: Kalyanpur, Dist: Jamnagar.

The proposal was deliberated during the meeting with reference to the letter dated 20/05/2016 received from State Level Environment Impact Assessment Authority referring back the project to SEAC for the following reason:

“To verify the status of operation of mining in last 3 years”

It was noted by the committee that the inspection report of regional office Jamnagar of GPCB dated 14/06/2016 mentions that there is no mining activity since last 3 years.

Considering above it was unanimously decided to recommend the project again to SEIAA Gujarat for grant of Environmental Clearance with all the details & conditions same as mentioned in the previous recommendation.

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.

1. The Boulevard at F.P.No.:65, O.P.No.:76, Block No.: 349, T.P.S.No.: 14 (Pal), At Pal, Surat proposed by Mr. Ashvinbhai Balubhai Babariya.
2. Sky View at Survey No. 551, Vill.Argama, Ta. Vagra, Dist. Bharuch proposed by Mr. Imtiyaz Ibrahim Patel.
3. Twin Star at Plot No.R.S. No.26/2, 27/p, Plot No. 1+1 & 2, F.P. No.31/4, 29/2, T.P. Scheme No. 7, O.P. No. 29,31/p, Viil. Nanamava, Dist. Rajkot proposed by M/s Evercon Developers.
4. AL Madina Heights at R.S. No.1013/1,1013/2,1014, O.P.No.60, F.P. No.60, D.T.P.S.No.3 (Dahegam), Ta.: Dahegam , Dist.: Gandhinagar proposed by Mr. Alpeshkumar P. Amin.

The project was appraised during the meeting of SEAC held on 13/07/2016 & during the meeting held on 13/07/2016, the project proponent was suggested to increase the parking area provision in view of the increasing traffic congestion and parking problems resulting in deteriorated ambient air quality in developed areas of cities in present scenario, the projects coming in the developing areas should also try to provide adequate parking spaces in order to avoid the recurrence of the same situation in the developing areas. After detailed discussion, it was decided to consider the project only after submission of the following:

1. Project plan showing provision of two staircases in the buildings having floor area more than 500 m².
2. Authentic supporting documents revealing that the water supply & drainage connection of Dehgam Nagarpalika will be available to the project.
3. Revised details on increased parking area provision for the project along with the parking plans &

backup calculation.

Project proponent submitted the above mentioned details vide their letters dated 31/08/2016 & 15/09/2016. They have submitted a copy of receipt obtained from Ahmedabad Urban Development Authority (AUDA) against various charges paid by them for betterment charges, drainage connection charges, solid waste management fee, amenities fees etc. Hence water supply & drainage connection of AUDA will be available to the project. They have submitted a project plan with floor area table showing that all the building blocks are having floor area less than 500 m² on each floor. It is proposed to provide parking space of 6,899.39 m² [3,190.72 m² in hollow plinth + 3,708.67 m² as open surface parking] equivalent to 274 CPS.

The said submission of the project proponent was considered by the committee during the meeting. It was observed that from the total 312 residential units, only 24 flats are having built up area more than 100 m², 96 flats having built area of about 97 m² and remaining 192 nos. of flats are having built up area less than 90 m². As per the NBC norms the parking requirement for the project becomes 248 CPS (216 CPS for residential units & 32 for commercial units). As the parking area provision for the project is more than the requirement of NBC norms as well as the project is located outside the city limits and as the other details submitted by the project proponent was found satisfactory, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

5. "Polaris Textile City" at B.No.77, F.P.No.63 (as per draft), F.P.No.82 (as T.R.), O.P.No.58, T.P.S.No.19 (Parvat-Magob), Moje: Parvat, Ta: Choryasi, Dist: Surat proposed by M/s Sankalp Associates.

The project proponent vide proposal no.SIA/GJ/NCP/3240/2015 dated 17/10/2015 applied for obtaining Environmental Clearance for the above mentioned project.

Based on the application made by the project proponent, the project was appraised during the meeting of SEAC held on 27/01/2016. Project proponent vide their letter dated 22/06/2016 submitted the additional details regarding the project, which was sought during the meeting of SEAC held on 27/01/2016. The additional information submitted by the project proponent was considered by the committee during the meeting held on 13/07/2016 and based on the decision taken during the meeting of SEAC held on 13/07/2016, the project was recommended by the SEAC vide letter No. EIA-10-2015-7222-E-1943 dated 22/08/2016. Based on the recommendation of the SEAC, the project was taken up in the meeting of SEIAA dated 03/09/2016. As per the decision taken during the meeting of SEIAA dated 03/09/2016, the project was referred back to SEAC vide letter No. SEIAA/GUJ/EC/8(a)/553/2016 dated 14/09/2016 for the following reason:

"To verify the adequacy of the parking area provided"

The project was discussed during the meeting with reference to the adequacy of parking area provided for the project. The committee observed that actual parking area requirement for the project as per the NBC norms is 491 CPS and the project proponent has proposed to provide total parking space of 36,263.0 m² [35,155.0 m² in basement + 2,108.0 m² as open surface parking] which is equivalent to 1,160 CPS. The committee found that the parking area provided by the project proponent is more than the parking requirement of the NBC norms and it was decided to recommend the project again to the SEIAA Gujarat for grant of Environmental Clearance with all the conditions same as mentioned in the recommendation letter no. EIA-10-2015-7222-E-1943 dated 22/08/2016.

6. "Raj Textile Market" Block No. 87, O.P.No.49, F.P.No.54 (as per draft), Block No.87/A, O.P.No.49/1, F.P.No.69 (as per preli.), T.P.S.No.19 (Parvat-Magob), Ta: Choryasi, Dist: Surat proposed by M/s Arihant Associates.

The project proponent vide proposals no.SIA/GJ/NCP/2357/2015 dated 28/09/2015 and SIA/GJ/

NCP/16694/2015 dated 08/07/2016 applied for obtaining Environmental Clearance for the above mentioned project.

Based on the application made by the project proponent, the project was appraised during the meeting of SEAC held on 29/12/2015. Project proponent vide their letter dated 14/03/2016 submitted the additional details regarding the project, which was sought during the meeting of SEAC held on 29/12/2015. The project proponent submitted revised application along with Form – I & Form- IA to this office on 08/07/2016. The additional information submitted by the project proponent as well as revised application was considered by the committee during the meeting held on 13/07/2016 and based on the decision taken during the meeting of SEAC held on 13/07/2016, the project was recommended by the SEAC vide letter No. EIA-10-2015-7212-E-1947 dated 22/08/2016. Based on the recommendation of the SEAC, the project was taken up in the meeting of SEIAA dated 03/09/2016. As per the decision taken during the meeting of SEIAA dated 03/09/2016, the project was referred back to SEAC vide letter No. SEIAA/GUJ/EC/8(a)/555/2016 dated 14/09/2016 for the following reason:

“To verify the adequacy of the parking area provided”

The project was discussed during the meeting of SEAC held on 21/09/2016 with reference to the adequacy of parking area provided for the project. The committee observed that actual parking area requirement for the project as per the NBC norms is 188 CPS and the project proponent has proposed to provide total parking space of 13,933.0 m² [13,209.0 m² in basement + 441.0 m² in hollow plinth + 283.0 m² as open surface parking] which is equivalent to 440 CPS. The committee found that the proposed parking area provision by the project proponent is more than the parking requirement of the NBC norms and it was decided to recommend the project again to the SEIAA Gujarat for grant of Environmental Clearance with all the details & conditions same as mentioned in the recommendation letter no. EIA-10-2015-7212-E-1947 dated 22/08/2016.

7. Commercial Building Construction Project at S No.190,191/B,207, T.P.S.No.84/B, Makarba, Ahmedabad proposed by M/s Kish Developers.

The project proponent vide proposal no.SIA/GJ/NCP/10864/2016 dated 26/03/2016 applied for obtaining Environmental Clearance for the above mentioned project.

Based on the application made by the project proponent, the project was appraised during the meetings of SEAC held on 27/04/2016 & 22/06/2016. Project proponent vide their letter dated 05/07/2016 submitted the additional details regarding the project, which was sought during the meeting of SEAC held on 22/06/2016. The additional information submitted by the project proponent was considered by the committee during the meeting held on 13/07/2016 and based on the decision taken during the meeting of SEAC held on 13/07/2016, the project was recommended by the SEAC vide letter No. EIA-10-2015-960-E-1939 dated 22/08/2016. Based on the recommendation of the SEAC, the project was taken up in the meeting of SEIAA dated 03/09/2016. As per the decision taken during the meeting of SEIAA dated 03/09/2016, the project was referred back to SEAC vide letter No. SEIAA/GUJ/EC/8(a)/557/2016 dated 14/09/2016 for the following reason:

“To verify the adequacy of the parking area provided”

The project was discussed during the meeting with reference to the adequacy of the proposed parking area provision for the project. The committee observed that actual parking area requirement for the project as per the NBC norms is 1536 CPS and it is proposed to provide total parking space of 48,197.24 m² [22,423.66 m² in basement + 22,423.66 m² as mechanical parking in basements + 1,186.92 m² in hollow plinth + 2,163.0 m² as open surface parking] which is equivalent to 1536 CPS. The committee found that the proposed parking area provision for the project is as per the parking requirement of the NBC norms and it was decided to recommend the project again to the SEIAA

Gujarat for grant of Environmental Clearance with all the details & conditions same as mentioned in the recommendation letter no. EIA-10-2015-960-E-1939 dated 22/08/2016.

8. Sankalp In at S.No.722+799, F.P.No.67+82, T.P.S.No.216, Shilaj, Ahmedabad proposed by M/s Sankalp Recreation Pvt. Ltd.

The project proponent vide proposal no.SIA/GJ/NCP/49233/2016 dated 26/02/2016 applied for obtaining Environmental Clearance for the above mentioned project.

Based on the application made by the project proponent, the project was appraised during the meetings of SEAC held on 31/03/2016 & 06/06/2016. Project proponent vide their letter dated 07/06/2016 submitted the additional details regarding the project, which was sought during the meeting of SEAC held on 06/06/2016. The additional information submitted by the project proponent was considered by the committee during the meeting held on 13/07/2016 and based on the decision taken during the meeting of SEAC held on 13/07/2016, the project was recommended by the SEAC vide letter No. EIA-10-2016-7401-E-1973 dated 24/08/2016. Based on the recommendation of the SEAC, the project was taken up in the meeting of SEIAA dated 03/09/2016. As per the decision taken during the meeting of SEIAA dated 03/09/2016, the project was referred back to SEAC vide letter No. SEIAA/GUJ/EC/8(a)/559/2016 dated 14/09/2016 for the following reason:

“To verify the adequacy of the parking area provided”

The project was discussed during the meeting with reference to the adequacy of the proposed parking area provision for the project. The committee observed that actual parking area requirement for the project as per the NBC norms is 489 CPS and the project proponent has proposed to provide total parking space of 16,648.0 m² [9,268.0 m² in basement + 1,748.0 m² as open surface parking + 5,632.0 m² as mechanical parking in 2nd level basement] which is equivalent to 541 CPS. The committee found that the proposed parking area provision for the project is more than the parking requirement of the NBC norms and it was decided to recommend the project again to the SEIAA Gujarat for grant of Environmental Clearance with all the details & conditions same as mentioned in the recommendation letter no. EIA-10-2015-7401-E-1973 dated 24/08/2016.

9. “Phoenix Towers” at T.P.S.No.6, R.S.No. 299/1, O.P.No. 28/2, F.P.No.2, Village: Vesu, Ta:Choryasi, Dist:Surat proposed by M/s Someshwar Organizers.

The SEIAA, Gujarat has accorded environmental clearance to M/s ESS EN Organizers P. Ltd. for the commercial building construction project – “Someshwar Market & Hotel” at T.P.S.No.6, R.S.No.299/1, O.P.No.28/2, F.P.No.2, Village: Vesu, Ta:Choryasi, Dist:Surat vide order no. SEIAA/GUJ/EC/8(a)/67/2013 dated 16/04/2013 for the built up area of 26,174.16 m².

Project proponent in the name of M/s Someshwar Organizers vide their letter dated 24/03/2015 submitted revised Form I & Form IA and requested for amendment of Environmental Clearance order dated 16/04/2013 for the proposed changes in planning of the project.

With reference to the receipt of the above mentioned proposal, the project was considered during the meeting of SEAC held on 29/09/2015. The project was recommended for amendment of the Environmental Clearance order dated 16/04/2013 vide this office letter no. EIA-10-2015-7002-E-1116 dated 04/05/2016 based on the decision taken during the meeting of SEAC held on 31/03/2016.

The project was earlier referred back by SEIAA vide letter no. SEIAA/GUJ/EC/8(a)/ 331/2016 dated 20/05/2016 based on the decision taken in the meeting of SEIAA held on 06/05/2016. The project was

again recommended vide letter no. EIA-10-2015-7002-E-1657 dated 07/07/2016 based on the decision taken during the meeting of SEAC held on 06/06/2016. Based on the recommendation letter no. EIA-10-2015-7002-E-1657 dated 07/07/2016, the project was again taken up in the meeting of SEIAA dated 16/07/2016. Based on the decision taken in the meeting of SEIAA held on 16/07/2016 the project was again referred back to SEAC for the following reasons:

“1. To verify the supersession status of previous environmental clearance.

2. To verify the status of compliance of previous Environment Clearance granted in line to circulars published vide no. J-11011/618/2010-IA-II(I) dated 30/05/2012 and J-11013/ 41/ 2006-IA.II(I) dated 20/10/2009 by MoEF&CC”

Project proponent vide their letter dated 16/09/2016 submitted a point wise compliance report in respect of the stipulated terms and conditions in the Environmental Clearance order No. SEIAA/GUJ/EC/8(a)/67/2013 dated 16/04/2013 and a copy of the same has also been submitted to the Regional Office of MoEF & CC located in Bhopal.

The said submission of the project proponent was considered by the committee during the meeting of SEAC held on 21/09/2016 and as it was found satisfactory it was decided to recommend the project again to the SEIAA Gujarat for grant of Environmental Clearance with the proposed expansion by superseding the earlier Environmental Clearance order no. SEIAA/GUJ/EC/8(a)/67/2013 dated 16/04/2013.

10. “Millenium Textile House – 2” at T.P.S.No.7 (Anjana), O.P.No. 28/A/1, 28/A/2, 28/A/3, F.P.No.95, 96 & 97, S.No.56/p1, 56/p2, 56/p3, Surat proposed by M/s Shanti Residencies Pvt. Ltd.

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

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

Based on their application dated 02/12/2015, the project was appraised during the meeting of SEAC held on 18/02/2016. Additional details sought during the meeting of SEAC held on 18/02/2016 was submitted by the project proponent vide their letter dated 27/05/2016 which was considered during the meeting of SEAC held on 06/06/2016. Based on the decision taken during the meeting of SEAC held on 06/06/2016, the project was recommended by the SEAC vide letter No. EIA-10-2015-7290-E-1661 dated 07/07/2016. Based on the recommendation of the SEAC, the project was taken up in the meeting of SEIAA dated 16/07/2016. As per the decision taken during the meeting of SEIAA dated 16/07/2016, the project was referred back to SEAC vide letter No. SEIAA/GUJ/EC/8(a)/477/2016 dated 21/07/2016 for the following reason:

“To verify the status of compliance of previous Environment Clearance granted in line to circulars published vide no. J-11011/618/2010-IA-II(I) dated 30/05/2012 and J-11013/41/2006-IA.II(I) dated 20/10/2009 by MoEF&CC”

Project proponent vide their letter dated 12/09/2016 submitted a point wise compliance report in

respect of the stipulated terms and conditions in the Environmental Clearance order no. SEIAA/GUJ/EC/8(a)/154/2012 dated 29/05/2012 which was further amended vide order no. SEIAA/GUJ/EC/8(a)/73/2013 dated 16/04/2013 and a copy of the same has also been submitted to the Regional Office of MoEF & CC located in Bhopal.

The said submission of the project proponent was considered by the committee during the meeting of SEAC held on 21/09/2016 and as it was found satisfactory it was decided to recommend the project again to the SEIAA Gujarat for grant of Environmental Clearance for the proposed expansion by superseding the earlier Environmental Clearance order no. SEIAA/GUJ/EC/8(a)/154/2012 dated 29/05/2012 along with its amendment vide order no. SEIAA/GUJ/EC/8(a)/73/2013 dated 16/04/2013.

11. Recommendation to grant Environment Clearance for the Residential Building Construction Project - "Shree Thakornath Residency" at Old B.No.583 & New B.No.560/p, Village: Nandol, Ta: Dehgam, Dist: Gandhinagar proposed by M/s. Balaji Associates.

This is a residential building construction project "Shree Thakornath Residency" at Old B.No.583 & New B.No.560/p, Village: Nandol, Ta: Dehgam, Dist: Gandhinagar proposed by M/s Balaji Associates. The project proponent has applied for obtaining Environment Clearance of the above project on 26/05/2015. Based on the application made on 26/05/2015, the project was appraised during the meetings of SEAC held on 30/07/2015 & 16/12/2015. The additional details submitted by the project proponent with reference to the meeting dated 16/12/2015 was considered by the SEAC during the meeting held on 04/05/2016. Based on the decision taken during the meeting of SEAC held on 04/05/2016, the project was recommended by the SEAC vide letter No.EIA-10-2015-7082-E-1315 dated 26/05/2016. Based on the recommendation of the SEAC, the project was taken up in the meeting of SEIAA dated 27/05/2016. As per the decision taken during the meeting of SEIAA dated 27/05/2016, the project was referred back to SEAC vide letter No. SEIAA/GUJ/EC/8(a)/390/2016 dated 31/05/2016 for the following reason:

"To verify the details of parking area provided with respect to NBC guidelines & GDCR."

The project proponent was called during the meeting of SEAC held on 13/07/2016.

The project proponent along with their expert consultant attended the meeting of SEAC held on 13/07/2016 and it was presented that as per the NBC norms, parking requirement for the project is 280 CPS and they have proposed to provide total parking space of 8,963.90 m² [2,197.0 m² as open surface parking + 6766.90 m² in hollow plinth] which is equivalent to 338 CPS.

The committee was of the view that due to increasing traffic congestion and parking problems in developed areas of cities in present scenario, the projects coming up in the developing areas should also provide adequate parking spaces in order to avoid the recurrence of the same situation in the developing areas. After detailed discussion, the project proponent was suggested to increase the parking area provision for the project by providing basement, at least in half of the plot area, if not possible to provide full basement, in order to increase the parking space for the project. After discussing the matter, during the meeting, it was decided to consider the project only after submission of the following:

1. Revised details on increased parking area provision for the project by providing basement and revised project plans with revised built up area table, revised Form – 1 & 1A with revised project details in view of provision of the basement.

Project proponent vide their letter dated 08/09/2016 submitted that total parking area of 9,015.74 m² [6,927.0 m² as open surface parking + 6,766.90 m² in hollow plinth] equivalent to 542 CPS will be

provided against the parking requirement of 280 CPS as per NBC norms. It was mentioned that the proposed project, comprising of residential units having carpet area of 54 m² & 52.8 m² and built up area of 63 m² & 62 m², is an affordable housing scheme and eligible for Mukhya Mantri Gruh Yojna for which they will get subsidy of Rs. 2.20 lacs per flat.

The said submission of the project proponent was considered by the committee during the meeting and as the parking area provision for the project is more than the requirement of NBC norms as well as the project is located outside the city limits, it was decided to recommend the project to SEIAA Gujarat for grant of Environmental Clearance.

Meeting ended with thanks to the Chair and the Members.

Minutes approved by:

1.	<i>Shri T. P. Singh, Chairman, SEAC.</i>	
2.	<i>Shri V. C. Soni, Vice Chairman, SEAC.</i>	
3.	<i>Shri R. J. Shah, Member, SEAC</i>	
4.	<i>Dr. V. K. Jain, Member, SEAC</i>	
5.	<i>Dr. Mayuri Pandya, Member, SEAC</i>	
6.	<i>Shri Rajesh I Shah, Member, SEAC.</i>	