Minutes of the 708th meeting of the State Level Expert Appraisal Committee held on 16th October through Video Conference (VC) on National Informatics Centre (NIC).

The agenda of the present meeting was mailed to expert Committee in advance and a Video conference meeting on NIC was organized in this regard on 16/10/2023 at 13.00 hrs.

The 708th meeting of the State Level Expert Appraisal Committee (SEAC) was held online by Video conferencing on 16th October 2023 at 13.00 hrs.

Following members joined the meeting:

1.	Shri Akshay Kumar Saxena, Chairman, SEAC
2.	Dr. S. C. Pant, Vice Chairman, SEAC
3.	Shri D. C. Chaudhari, Member, SEAC
4.	Shri J. K. Vyas, Member, SEAC
5.	Shri Anand Zinzala, Member, SEAC
6.	Shri B. M. Tailor, Member, SEAC
7.	Shri D.M. Thaker, Member Secretary, SEAC

The Committee considered the applications made by project proponents, additional details submitted as required by the SEAC/SEIAA and details furnished in the Form-1, PFR, EMP reports etc.

The agenda of Category 8 (a), 8 (b), were taken up during the meeting. The applicants made presentation on the activities to be carried out along with other details furnished in the Form-1, Form-1A & Conceptual Plan.

Sr No.	Proposal	Name of the Project	Remarks
1	SIA/GJ/INFRA2/400455/2022	SGH Realty LLP F .P NO.: 1+2, RS NO. 94/A+B+C+D T .PS. NO. 1 (Thaltej)	EC-Expansion
• This office has received an application for Environment Clearance for expansion of the above project vide proposal no. SIA/GJ/INFRA2/400455/2022 dated: 17.01.2023.			

- The project proponent has obtained Environmental Clearance obtained vide order SEIAA/GUJ/EC/8(a)/1209./2018 Dated: 01.11.2018.
- This is a proposed Commercial building construction project having net plot area of 20881.00 m2, FSI area of 52,659.37 m2 and the proposed built-up area of the project is 119084.7 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 13-02-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

- Committee deliberated on the following:
    - ✓ It was discussed that the proponent has applied for amendment as the 5th floor is being converted to the food court.
    - ✓ Impacts on building due to inclusions of food court instead of showrooms shall be submitted.
    - ✓ PP were asked to submit Details of floor wise BUA in earlier EC vs Proposed floorwise BUA in tabular form and details of BUA Approved vs Construction Completed on site vs Proposed BUA in tabular form.
    - ✓ Committee was of the view that the no. of visitors in shops and food court will be different and so parking provisions should be readdressed and worked out accordingly.
    - ✓ Due to inclusion of food court the committee was of the view that there is increase in fire hazard and PP was asked to assess the same.
    - ✓ Additional provisions of fire and safety in the project shall be submitted.
    - ✓ Details of additional cost of proposed expansion was asked from the PP.
    - ✓ Changes in CER and EMP according to the change in project cost and proposed changes shall be submitted.
    - ✓ Water Consumption and waste water generation details were reviewed. PP was asked to increase the capacity of Proposed STP.PP was asked to submit details of proposed changes in water consumption and w.w.g due to proposed changes.
    - ✓ Change in generation of solid waste due to proposed changes.
    - ✓ Details of power consumption due to proposed changes shall be submitted.
    - ✓ Increase in staircase and lifts due to change in project shall be submitted.
    - ✓ Details of solar power generation in the project.
    - ✓ It was observed that he BUA approved in previous EC was 13741.15 m2 and revised BUA proposed is 13763.96 m2 (higher than the earlier approved). It was observed that the higher basement area is already been constructed on site. PP was asked to justify why the area of basement is increased after completion of construction.

- Complaint is received against the project with major contentions as under:

- ✓ Earlier EC obtained by the pp is in Infra 1 while amendment application has been done in Infra 2.
- ✓ The developer has proposed to increase the BUA by about 5.7 % and has also proposed to have 25 food court now, which were not in original plan. It is matter of common knowledge that food court ar ethe biggest draws for a mall and attracts highest density of crowd within mall. So, the visitors travel longer through the mall and which increases the probabilities of other shopping. Increase in area and inclusion of food court will increase the number of visitors by 30%. The developer has failed to account for facilities for more parking, additional staircase, additional lifts and higher disaster response system.

- ✓ Foor courts require much more water thus developer has failed to account for such increased water requirement and disposal mechanism. Comprehensive water audit and waste disposal audit needs to be done.
- ✓ Comprehensive analysis needs to be done for traffic management due to increased traffic.
- ✓ Form 4 uploaded by the developer has been submitted incomplete. Developer has not submitted final layout plan and floor wise breakup of areas across floors.
- ✓ Builder has already made physical changes to the project that is violation of EC.
- ✓ The developer may be allowed amendment only after comprehensive study and analysis of issues raised in the complaint.

After Detailed Deliberation Committee unanimously decided to consider the case only after satisfactory submission of the following:

1. Impacts on building due to inclusions of food court instead of showrooms shall be submitted
2. PP were asked to submit Details of floor wise BUA in earlier EC vs Proposed floor wise BUA in tabular form and details of BUA Approved vs Construction Completed on site vs Proposed BUA in tabular form.
3. Committee was of the view that the no. of visitors in shops and food court will be different and so parking provisions should be readdressed and worked out accordingly.
4. Additional provisions of fire and safety in the project shall be submitted.
5. Details of additional cost of proposed expansion was asked from the PP.
6. Changes in CER and EMP according to the change in project cost and proposed changes shall be submitted.
7. Water Consumption and waste water generation details were reviewed. PP was asked to increase the capacity of Proposed STP.PP was asked to submit details of proposed changes in water consumption and w.w.g due to proposed changes.
8. Change in generation of solid waste due to proposed changes.
9. Details of power consumption due to proposed changes shall be submitted.
10. Increase in staircase and lifts due to change in project shall be submitted.
11. Details of solar power generation in the project.
12. It was observed that the BUA approved in previous EC was 13741.15 m2 and revised BUA proposed is 13763.96 m2 (higher than the earlier approved). It was observed that the higher basement area is already been constructed on site. PP was asked to justify why the area of basement is increased after completion of construction.

- **PP replied Parivesh Portal and meeting was scheduled on 07-07-2023.**

- Committee deliberated on the following:

  - ✓ PP presented that additional plot has been leased for 1 year for the parking purpose to which committee asked for some long term planning for additional parking.

- ✓ Structure stability after proposed expansion was discussed.
- ✓ Details of completed construction vs approved construction in EC vs change in area
  /purpose in tabular form to be submitted.
- ✓ Fire and safety measures provided was discussed, PP were asked to submit fire safety measures details of existing area and additional measures taken for expansion.
- ✓ EMP was discussed and was not found satisfactory, PP were asked to submit revised fund allocation for EMP and submit details of existing EMP and proposed additional EMP.
- ✓ PP was asked to revise CER details.

- **<u>Complaint is received against the project vide letter dated: 14-06-2023 received on 07-07-2023.</u>**

  - ✓ As per complaint the contentions made are as under:

  - ✓ Mall came to operation without Grant of EC Amendment.
  - ✓ Due to food courts the no. of visitors will go up and SGH Realty has failed to account for facilities of more parking, an additional staircase, additional lifts and a higher level of disaster response system required for increased visitor flow.
  - ✓ Extreme fire risks associated; the evacuation of visitors has to be designed to avoid a stampede situation in case of any inferno. Detailed analysis of safety is required considering food court on 5th floor.
  - ✓ The water consumption and sewage generation shall proportionately increase. Developer has failed to account for such increased water requirement and increased necessity of bigger disposal mechanism for sewerage system and solid waste. Comprehensive water audit and waste disposal audit needs to be done because of the huge environmental issues involved.
  - ✓ Expected increase in visitor will proportionate increase in road traffic around mall.
  - ✓ Absence of adequate parking in mall because of increase in visitors will likely increase parking in nearby lanes exacerbating the distress of traffic jams. Details submitted by developer, it appears that no comprehensive analysis has been done on this aspect of increased traffic and hence this aspect merits proper study and deliberation of issues arising due to increased traffic.
  - ✓ Substantial changes in mall compared to dimensions on which EC was granted.
  - ✓ Form 4 uploaded by developer the details submitted are interestingly shocking and no EC has been granted for said amendments made by developer. The submission in response to clause (c) of form 4 it is seen that revised buildup area is substantially different from approved one. There has been increased in almost 11.5 % of total area from 107220.29 to 119084.7. It is pertinent to note that said increase has not been granted EC as of now.
  - ✓ In original plan wherein EC was granted there was a small fifth floor, however the same came to be included via amendment for which no EC is yet granted.
  - ✓ There is notable increase in size of 5th floor upon which food courts are situated. There is no EC granted for the amendments proposed by developer and carried out despite of which developer has been allowed to open and operate the project. The above revisions are made in built-up area without any kind of authorization from authorities.
    Contention has been made that the developer has already made the physical changes to the project in violation of EC and now is attempting to regularize the construction by suppressing this suppressing this relevant and material fact before the competent authority.
  - ✓ Physical inspection of project and detailed study of earlier plans and amendment ones along with an appraisal of other relevant facts shall necessarily bring out the truth.

- ✓ Developer is using more than sanctioned freshwater limit.
- ✓ Developer has not registered their project on RERA.
- ✓ Adoption of water conservation methods by employing rain water harvesting measures.
- ✓ Mall has 228 stores and parking facility provided for 750 cars only and form 1 and 1-A states parking for 2120 cars.
- ✓ Height of ground floor is hardly about 1 mts above ground, which clearly reflects that about rest has been disposed in contravention to the condition no. 53 stipulated in the EC.
- ✓ Trees have been cut from the plot before EC and earth excavation has been done and soil is removed from the site which is contravention to condition no. 53 of the EC.

- ✓ Complaint received was discussed and reply wrt the contentions made shall be submitted by the PP.

After detailed deliberation committee unanimously decided to consider the project after satisfactory submission of the following:

1. Compliances to the contentions made in the complaint.
2. Details of completed construction vs approved construction in EC vs change in area /purpose in tabular form.
3. Documentary proof for provision of additional long term parking facility.
4. Structure stability after proposed expansion.
5. Fire safety measures details of existing area and additional measures taken for expansion.
6. Revised fund allocation for EMP and submit details of existing EMP and proposed additional EMP.
7. Revise CER details.
8. Details of EV charging and Fire and safety details in SEAC format.
9. No of trees to be increased to 522 and accordingly fund allocation in EMP.

- **PP replied Parivesh Portal and meeting was scheduled on 16-10-2023.**

1. Proposed Changes Due to Expansion:

List	As per previous EC	Proposed changes
Scope of Building Block	238 Showroom, 18 Shops and 10 multiplex	Parking + 208 Show Rooms + 25 Food Court + 09 Multiplex+ 09 Office Total = 251 Units
Built up area for construction project	108750.94 Sq. m.	125664.07 Sq. m.

2. Details of the Application:

2.1. Type of application:	EC-Expansion
2.2. Proposal no.	SIA/GJ/INFRA2/400455/2022
2.3. Category of Project :	8(a)
2.4. Date of application accepted by SEAC :	17.01.2023
2.5. Documents Submitted by Project Proponent(PP)	Form -1,Form-1-A, Conceptual plan, EMP, Layouts, Land Documents
2.6. TOR No. & Date :	Not applicable as project is categorized as B2
2.7. Technical expert / Environmental Consultant Name :	In Situ Enviro Care
2.8. SEAC Meeting No. and Date:	Scheduled in 708th SEAC meeting and 16.10.2023
2.9. ADS vide letter dated :	11.08.2023
2.10. Reply Submitted by PP dated:	13.10.2023
2.11. Revised Consideration SEAC Meeting No. and Date:	Scheduled in 708th SEAC meeting and 16.10.2023

3. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/400455/2022
2.	Name of the project	F.P No.: 1+2, RS NO. 94/A+B+C+D T.P.S NO. 1(Thaltej)
3.	Address of the project	Plot No. F.P No.: 1+2, RS NO. 94/A+B+C+D T.P.S NO. 1(Thaltej), Village: Thaltej, Tehsil: Ahmadabad City, District: Ahmedabad, Gujarat
4.	Name of Developer	SGH Realty LLP, bsafal House, Behind Mirch Masala Restaurant, Off. S. G. Highway, Bodakdev, Ahmedabad.

<table>
<tr><td>5.</td><td>Estimated Project Cost (Rs. In Crores)</td><td>Original project cost was Rs 500 Crores. Additional cost Rs 50 Crores will be incurred in expansion work.</td></tr>
<tr><td>6.</td><td>Whether construction work has been initiated at site? If yes, details thereof And if No, Date up to which construction has not started.</td><td>Yes, construction work has been initiated at site</td></tr>
<tr><td>7.</td><td>Site coordinates</td><td>(with all coordinates of the polygon)
<table>
<tr><th>Corner Point</th><th>Longitude</th><th>Latitude</th></tr>
<tr><td>1</td><td>72°31'18.51"E</td><td>23° 3'29.57"N</td></tr>
<tr><td>2</td><td>72°31'16.11"E</td><td>23° 3'25.22"N</td></tr>
<tr><td>3</td><td>72°31'12.52"E</td><td>23° 3'26.20"N</td></tr>
<tr><td>4</td><td>72°31'14.14"E</td><td>23° 3'31.67"N</td></tr>
</table></td></tr>
<tr><td>8.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 20881.00
• FSI area (m^2): 72,793.36
• Total BUA (m^2): 125664.07
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area(m^2)</td><td>83524</td><td>72,793.36</td></tr>
<tr><td>Ground Coverage(m^2)</td><td>--</td><td>12,351.23</td></tr>
<tr><td>Common Plot Area(m^2)</td><td>20881.00</td><td>20881.00</td></tr>
<tr><td>Max. building height(m)</td><td>120.0</td><td>44.99</td></tr>
</table></td></tr>
<tr><td>9.</td><td>In case of Expansion project</td><td>
<table>
<tr><td>Reason of the Expansion</td><td colspan="2">Increase in built-up area.</td></tr>
<tr><td>Details of earlier EC obtained for the project</td><td colspan="2">SEIAA/GUJ/EC/8(a)/1209./2018 Dated: 01.11.2018</td></tr>
<tr><td>Compliance of the earlier EC</td><td colspan="2">Submitted</td></tr>
<tr><td>Status of construction completed on site</td><td>Built up area constructed:</td><td></td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td>No. of blocks and floors constructed:</td><td>1 blocks and 3 basements & 3 floors constructed</td></tr>
<tr><td></td><td></td><td>If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority</td><td>Name of the Authority</td><td>AMC</td></tr>
<tr><td></td><td></td><td></td><td>Date of order</td><td>11 Jan 2019</td></tr>
<tr><td></td><td></td><td></td><td>Built-up area granted</td><td>107220.2 Sq.m</td></tr>
<tr><td></td><td></td><td>Documentary proof submitted for supporting the expansion of the project.</td><td colspan="2">Availability of Additional FSI, TDR, Revision in CGDCR etc</td></tr>
<tr><td>10.</td><td>In case of Expansion/ Amendment</td><td colspan="3">Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.
<table>
<tr><td>Condition No.</td><td>Details as per EC Granted</td><td>Details require by the PP</td></tr>
<tr><td></td><td>238 Showroom, 18 Shops and 10 multiplex</td><td>Parking + 208 Show Rooms + 25 Food Court + 09 Multiplex+ 09 Office
Total = 251 Units</td></tr>
<tr><td></td><td>108750.94 Sq. m.</td><td>125664.07 Sq. m.</td></tr>
</table></td></tr>
<tr><td>11.</td><td>Building Details</td><td>No. of Buildings:</td><td colspan="2">1</td></tr>
<tr><td></td><td></td><td>No. of Blocks:</td><td colspan="2">1</td></tr>
<tr><td></td><td></td><td>Scope of buildings/blocks:</td><td colspan="2">3 level basement + ground floor + 8 floors</td></tr>
<tr><td></td><td></td><td>No. & size of Residential Units:</td><td colspan="2">NA</td></tr>
<tr><td></td><td></td><td>No. & type of Commercial Units:</td><td colspan="2">Parking + 208 Show Rooms + 25 Food Court + 09 Multiplex+ 09 Office
Total = 251 Units</td></tr>
</table>

<table>
<tr><td></td><td></td><td>Details of amenities if any:</td><td>NA</td></tr>
<tr><td>12.</td><td>No. of expected residents / users</td><td colspan="2">21673 (occupants and visitors)</td></tr>
<tr><td>13.</td><td>Water & waste water details during construction phase and operation phase</td><td colspan="2">
<table>
<tr><td colspan="2">CONSTRUCTION PHASE</td></tr>
<tr><td>Water requirement (KL/day):</td><td>9.75</td></tr>
<tr><td>Source of water:</td><td>water supply from water tankers</td></tr>
<tr><td>Waste water generation quantity (KL/day):</td><td>5.03</td></tr>
<tr><td>Mode of disposal:</td><td>Septic tank & soak pit</td></tr>
<tr><td>Details of reuse of water, if any: washing water of construction equipments will be reused for curing</td><td>1.2 KLD for curing</td></tr>
<tr><td colspan="2">OPERATION PHASE</td></tr>
<tr><td>Total water requirement(KL/Day)</td><td>423.96 KLD (The remaining water is purchased from market in tanker)</td></tr>
<tr><td>Fresh water requirement (KL/day):</td><td>171.08</td></tr>
<tr><td>Source of water:</td><td>Water supply from Ahmedabad Municipal Corporation</td></tr>
<tr><td>Waste water generation quantity (KL/day):</td><td>352.65</td></tr>
<tr><td>Mode of disposal:</td><td>Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening & flushing purpose within premises and remaining quantity of treated sewage will be discharged into the drainage line of AMC.</td></tr>
</table>
</td></tr>
</table>

		In case of STP provision, capacity of STP:		Yes, 420 KLD	
		STP Technology:		STP with electrolysis process.	
		Purposes for treated water utilization:		Gardening & Flushing	
		Quantity of treated water to be reused:		1.Gardening (KL/day): 9.06 KLD 2. Flushing (KL/day): 243.82 KLD 3. HVAC and Road wash (KL/day): 29.24 KLD	
		Provision of dual plumbing system (Yes/No):		Yes	
		Quantity and type (treated/untreated)of water to be discharged:		Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be used for gardening, flushing and HVAC purpose within premises and remaining quantity of treated sewage will be discharged into the drainage line of AMC.	
14.	Status of water supply and drainage line	AMC water supply and drainage lines are available at site.			
15.	Solid waste Management	**Construction Phase**:			
			Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
		Top Soil	4,875.0	4,875.0	Reuse for greenbelt development.
		Other excavated earth	79,070.20	15,250.0 m3 of excavated earth	63,820.20 m3 of other excavated earth will be utilized for other project after

				will be used within premises for back filling.	payment of necessary royalty, if any.
		Construction debris	200	100	Will be used in low lying areas and outer road development.
		Steel scrap	12	0	Sold to vendors
		Discarded packing materials	8	0	Sold to vendors
		Operation Phase:			

Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
Dry waste	1327.8	White bins	Sold to vendors
Wet waste	331.95	Green bins	AMC bins
STP Sludge			
Details of segregation if to be done:		Green bins for bio degradable	

<table>
<tr><td></td><td></td><td></td><td>waste & white bins for non-biodegradable waste</td></tr>
<tr><td></td><td></td><td>Capacity and no. of community bins to be placed within premises:</td><td>495 bins provided with 20 to 80 ltr. capacity will be provided.</td></tr>
<tr><td></td><td></td><td>Landfill site where waste will be ultimately disposed by local authority:</td><td>Landfill site where waste will be ultimately disposed by local authority: At the nearby waste collection point of AMC</td></tr>
<tr><td>16.</td><td>Details on staircase:</td><td colspan="2"><table><tr><td>Type & no. of buildings</td><td>No. of floors</td><td>Area for each Floor (m^2)</td><td>No. of staircase</td><td>Width of the staircase (m)</td><td>No of Lifts</td><td>Travel distance (m)</td></tr><tr><td>1</td><td>3B+G+8</td><td>32.17 (Stair for basement)</td><td>7 staircases & 6 escalators</td><td>2.05</td><td>16 (10 lifts + 6 fire lifts)</td><td>< 25.0</td></tr></table></td><td></td></tr>
<tr><td>17.</td><td>Parking Details</td><td>As below:</td><td>Sq. mtrs.</td><td>CPS</td></tr>
<tr><td></td><td colspan="2">Total parking area requirement for the project as per GDCR:</td><td>36,396.68</td><td></td></tr>
<tr><td></td><td colspan="2">Parking area requirement for residential units as per GDCR:</td><td>NA</td><td>--</td></tr>
<tr><td></td><td colspan="2">Parking area requirement for commercial units as per GDCR:</td><td>36,396.68</td><td></td></tr>
</table>

	Parking area requirement as per GDCR for (specify in case of any other):			-	-
	Total number of CPS requirement for the project as per NBC			-	-
	Total parking area provided (m^2) & No. of CPS:			36,507.26	1200
	Parking area provided in basement (m^2) & No. of CPS:			31680.02	990
	Parking area providedin hollow plinth(m^2) & No. of CPS:			-	-
	Parking area provided as open surface (m^2) & No. of CPS:			4827.24	210
18.	Traffic Management	Width of adjacent public roads:	60 m, 18 m, 12 m.		
		Number of Entry & Exit provided on approach road/s:	3 gates will be provided		
		Number of Entry and Exit ramp tothe basement:			
		Width of Entry & Exit provided on approach road/s:	6.0 m wide entry and 6.0 m wide exit		
		Width of the Roads:	Permissible	Proposed	
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:		6.0	
		Width of all internal roads:		6.0	
19.	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 lighting in open and landscape areas, roof-top thermal insulation, rain water harvesting & ground water recharge through 06 nos. of percolating wells etc.			
20.	Energy Requirement,	Power supply:			
		Maximum demand: Connected load:	4600 KVA --		

	Source and Conservation	Source:	Torrent Power Ltd.	
		Energy saving measures:	~30% by use of LEDs, solar lights and star rated energy efficient electronic consumer durables	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	1%	5.5% (250 KW)
		No. of solar panels with Capacity of each Solar cell		About 250 KW i.e 5.5 % of total power demand will be through solar power generation (roof top area) and will be utilized in common power requirement like basement lighting, lifts, common area and landscape area etc. Thus it helps in energy conservation for the project.
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and	

			Outdoor Lighting	
			Total Solar Power Utilization for Water Pump	
			Total Solar Power Utilization for Electric Vehicles Charging Station	
			Other usage	
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:		2 x 380 KVA HSD, 65 litre/hr each
21.	Electric vehicle charging provision	Parking area designated for EV Charging parking	Ground area & basement area will be having EV Charging Points.	
		Total proposed EV charging capacity	We will provide additional power load equivalent to the power required for all charging points to be operated simultaneously, with Safety factor of 1.25	
		Total power requirement to charge Electric Vehicle in kWh/day	240 KWh/day	
		Availability of power	Out of 240 KWh/day of power requirement for Charging of Electric Vehicles, 200 kWh/day will be utilized from solar power	

			generation and remaining 40 KWh/day will be utilized from Local supply.
22.	Fire and Life Safety Measures	**During the 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.
		Fall Protection	Protection through Personal Protective Equipment's (PPEs)
		Foot Protection	Protection through Personal Protective Equipment's (PPEs)
		Head Protection	Protection through Personal Protective Equipment's (PPEs)
		Noise Protection	Ear muffs and acoustic enclosure of machineries.
		Eye Protection	Use of goggles
		Ladders and Stairs	It will be ensured that ladder will be on a flat, stable surface and the ladder is in good condition. Use a ladder that includes ladder safety devices like leg levelers, anti-slip gutter guards and stabilizers. Maintaining three points of contact when climbing or descending the ladder. It will be ensured that no loads or objects in either hand that can

			interfere with a firm grip on the ladder will be carried.
		Scaffolds	Keeping the workplace organized Keep the work site clean and tidy to avoid slipping, tripping, and falling. Identifying hazards before work starts and work is being done, Proper training of scaffolders , Site reviewing and Avoid overloading
		Access to Scaffolds -	
		Trenching and Excavation	No entry in an unprotected trench, Trenches deeper than 5 feet will have a protective system in place unless they are made of stable rock. No standing near any vehicle being loaded or unloaded. Keep heavy equipment away from trench edges.
		Electrical Safety	Prevent electrical equipment from contacting wet areas Keep water and other liquids at least 5 feet away from electrical equipment and sources of electricity. Ensuring safe use when unplugging and Install properly and tidy electrical cords.
		Cranes	Check and level ground conditions, Use appropriate spread mate size, Fully extend outriggers and no overloading.

		Occupational Noise Exposure	Ear muffs and acoustic enclosure of machineries with regular monitoring	
		Welding and Cutting	--	
		During the operation phase" (including capacity of underground water tank and terrace water tank capacity) :	Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system, automatic sprinkler system in entire building, underground static water storage tank-360 KL capacity, terrace tanks -210 KL capacity (total capacity), pump near underground static water storage tank (fire pump) with minimum Pressure of 3.5 kg/cm2 at terrace level – two electric and one diesel pump of capacity 2,280 lit/min and one electric pump of capacity 180 lit/min etc.	
		Status of fire opinion obtained for the project	---	
		Nearest fire station, distance & time required for the fire tender to reach at the project site :	Bodakdev fire station. 2.50 km About 10 minutes.	
23.	Rain Water Harvesting (RWH)	Level of the Ground water table:		
		RWH/Percolation well details:	Required	Provided
		No. & dimensions of RWH tank(s) :		6 Nos. of 300 mm dia.

		No. and depth of percolations wells :		6 nos. and 80 m in depth.
		Details on Pre-treatment facilities :		De-silting cum filter chamber
24.	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2) :		610.50
		Area covered by shrubs and bushes (m^2):		875.10
		Lawn covered area (m^2):		1,213.0
		Total Green Area (m^2):		2,698.6
		Green Area % of plot area:		12.92%
		No. of trees and species to be planted:		523 number of trees in premises.
25.	Basic 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.		
26.	Environment Management plan			

Sr. No	**Head**	**Basis for cost estimates**	**Total Capital cost (Rs. In lacs) (Construction and operation phase)**	**Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)**
1.	Air	Dust Mitigation Measures : Regular water sprinkling	2.0	0.5

				Stack and DG room, its capacity - 2 Set of 380 KVA				
		2.	Noise Control	Noise control measures like provision of acoustic enclosures, ear muffs,	2.0	0.5		
		3.	Water	420 KLD – SBR Type STP, Area Require – 400 Sq. m.,	20.0	5.0		
		4.	Solid and hazardous waste management	1659.75 Kg/Day – Automatic OWC-Yes Area require – 200 Sq.m.	5.0	1.0		
		5.	Environment monitoring	The recurring cost would be incurred on hiring of consult- ants and payment of various statutory fees to regulatory agencies.	--	1.5		
		6.	Rain water	Collection system, treatment and recharge well – 6 nos. P. W.C.	21.0	1.5		
		7.	Green belt	**523 nos**. Trees and Lawn Area Development	6.5	3.0		
		8.	Solar Energy	Roof Top Solar – 250 KW	15.0	2.0		
		9.	Fire & Safety	Provide Fire Fighting Systems as per Fire Opinion from SMC and Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.	3.0	1.5		
		10.	CER	Need based activities to be carried out under CER	25.0	13.0		
		11.	Amenities/ Occupational health center	Providing of amenities facility for worker	1.0	0.5		

		Total		**100.5**	**30.0**

Corporate Environment Responsibility (CER)

Sr. No.	**Activity**	**Capital Fund Allocation (Rs. In Lacs)**	**Recurring Fund Allocation (Rs. In Lacs)**	**Basis considered for selection of the activity**
1.	Plantation around the site or a suitable place with collaboration and assistance with Ahmedabad Municipal Corporation.	10.0	5.0	Aesthetics and good environment value
2.	Solar Street light-mall and nearby area (Conversion of conventional streetlights into solar lights through installation of solar plates	10.0	5.0	Energy conservation through use of alternative source of energy.
3.	Conducting blood donation camps and medical check-up camps in Thaltej area.	5.0	3.0	Promoting basic and essential health care service.
	Total Fund	**25.0**	**13.0**	

27.	Details of EIA report	• EIA report prepared by: • Study period: • Study area: • Environmental attributes considered for EIA study: • Observations: • Details of any other study carried out:	NA

- **Committee deliberated on the following:**

  - ✓ Committee observed that Pointwise reply submitted for the ADS points raised by the Committee was not technically satisfactory.
  - ✓ Details of Floor wise completed construction vs approved construction in EC vs change in area /purpose in tabular form was asked from the PP.

- ✓ PP was asked to submit the Fire Opinion Compliance, EV charging Details, Revised Parking Details considering the footfall in the Mall, Increase Fire water tank Storage Capacity, Submit Disaster Management Plan, Structure Stability Certificate with details of Structure Engineer with Registration details, Power Load Calculation.

- **After detailed deliberation Committee unanimously decided to consider this project only after satisfactory submission of the Following:**

1. Floor wise completed construction vs approved construction in EC vs change in area /purpose in tabular form.
2. Submit the Fire Opinion Compliance.
3. EV charging Details in proper Format.
4. Revised Parking provisions details considering the footfall in Mall.
5. Submit Disaster Management Plan.
6. Structure Stability Certificate with details of Structure Engineer with Registration details.
7. Power Load Calculation.

2	**SIA/GJ/INFRA2/400455/2022**	**SGH Realty LLP** **F .P NO.: 1+2, RS NO. 94/A+B+C+D T .PS. NO. 1 (Thaltej)**	**EC- Expansion**

- This office has received an application for Environment Clearance for expansion of the above project vide proposal no. SIA/GJ/MIS/400455/2022.
- The same application has been done twice by the proponent and thus it is scheduled twice.
- After detailed deliberation it was decided that decision taken in the Duplicate Application at Sr no. 1 of this MoM shall be considered.
- It was observed that the project is duplicate of the project Scheduled in SEAC VC meeting dated 16-10-2023 at SR No 1 of this MoM.
- **The committee unanimously decided to consider the decision taken in the SR NO 1 of SEAC VC Meeting dated 16-10-2023.**

3	**SIA/GJ/INFRA2/438382/2023**	**High-rise residential construction project (G+15) by Bharatkumar D. Undhad at block 166, Moje: Vesu, Behind Mahavir College, Tal- Surat City, Dist.- Surat**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/438382/2023 dated: 01/09/2023 .
- The project proponent has obtained Terms of Reference for project vide no. SEIAA/GUJ/ToR/8(b)/929/2023 dated 20-07-2023.
- This is a proposed Residential building construction project having net plot area of 28,740 m2, FSI area of 1,14,935.11 m2 and the proposed built-up area of the project is 1,86,452.80

m2, As the built-up area is >1,50,000 m2, it falls in the category 8(b) of the Schedule of EIA Notification, 2006.

- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New
1.2. Proposal no.	SIA/GJ/INFRA2/438382/2023
1.3. Category of Project:	8(b) B1
1.4. Date of application accepted by SEAC	01/09/2023
1.5. Documents Submitted by Project Proponent (PP)	EIA report, TOR, Land Documents, NA Certificate, Building Plans, Layout, Airport NOC, Zoning certificate, Firefighting opinion etc.
1.6. TOR No. & Date	SEIAA/GJ/ToR/8(b)/929/2023 dtd. 20 July 2023
1.7. Technical expert / Environmental Consultant Name:	Globus Environment Engineering Services Nabet /EIA/ 2124/RA 0245 Valid up to 24 August 2024.
1.8. SEAC Meeting No. and Date:	708th SEAC Meeting dtd 16th Oct.2023

2. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/438382/2023
2.	Name of the project	High-rise residential construction project (G+15) by Bharatkumar D. Undhad
3.	Address of the Site	R.S. No. 166, Moje: Vesu, Behind Mahavir College, Tal- Surat City, Dist.- Surat.

<table>
<tr><td>4.</td><td>Name of Developer</td><td>Bharatkumar D. Undhad</td></tr>
<tr><td>5.</td><td>Estimated Project Cost (Rs. In Crores)</td><td>243.79 Cr</td></tr>
<tr><td>6.</td><td>Whether construction work has been initiated at site? If yes, details thereof
And if No, Date up to which construction has not started.</td><td>No, affidavit has been submitted for no violation done.</td></tr>
<tr><td>7.</td><td>Details of Undertaking stating current status of construction at site.</td><td>No Construction at site, notarized undertaking submitted</td></tr>
<tr><td>8.</td><td>Whether NA permissions of all survey Nos have been obtained, details there of</td><td>NA for all survey no. has been obtained vide letter no. 1852/22/20/051/2023 dtd 19/04/2023</td></tr>
<tr><td>9.</td><td>Site coordinates</td><td>(with all coordinates of the polygon)
<table>
<tr><th>Corners</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>A</td><td>21°08’02.16” N</td><td>72°47’27.54” E</td></tr>
<tr><td>B</td><td>21°08’05.98”N</td><td>72°47’26.31”E</td></tr>
<tr><td>C</td><td>21°08’10.16”N</td><td>72°47’33.81”E</td></tr>
<tr><td>D</td><td>21°08’03.44”N</td><td>72°47’34.45”E</td></tr>
<tr><td>Centre</td><td>21° 08'05.02"N</td><td>72°47'30.61"E</td></tr>
</table></td></tr>
<tr><td>10.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 28,740 m2
• FSI area (m^2):1,14,935.11 m2
• Total BUA (m^2):1,86,452.80 m2
• Parking Area: 50,325.61 m2
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area(m^2)</td><td>114960</td><td>114935</td></tr>
<tr><td>Ground Coverage(m^2)</td><td>-</td><td>10481.67</td></tr>
<tr><td>Common Plot Area(m^2)</td><td>2874</td><td>2907.27</td></tr>
<tr><td>Max. building height(m)</td><td>64.61</td><td>52.4 m</td></tr>
</table></td></tr>
<tr><td>11.</td><td>Airport NOC</td><td>SURA/WEST/B/100722/701592 dtd 18/11/2022</td></tr>
<tr><td>12.</td><td>~~In case of Expansion project/ Amendment project~~</td><td>
<table>
<tr><td>~~Reason of the Expansion~~</td><td>-</td></tr>
<tr><td>~~Details of earlier EC obtained for the project~~</td><td>~~SEIAA/GUJ/EC/8(a)/..../.... Dated:.....~~</td></tr>
<tr><td>~~Compliance of the earlier EC~~</td><td>~~Not applicable~~</td></tr>
<tr><td rowspan="3">~~Status of construction completed on site~~</td><td>~~Built up area constructed:~~</td><td></td></tr>
<tr><td>~~No. of blocks and floors constructed:~~</td><td></td></tr>
<tr><td></td><td>~~Name of the Authority~~</td><td></td></tr>
</table></td></tr>
</table>

		~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~	~~Date of order~~	
			~~Builtup area granted~~	
		~~Documentary proof submitted for supporting the expansion of the project.~~	~~Availability of Additional FSI, TDR, Revision in GDCR etc~~	

13.	~~In case of Expansion/ Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~

~~Condition No.~~	~~Details as per EC Granted~~	~~Details require by the PP~~

14.	Building Details	No. of Buildings:	11 Nos. (A to K + Club House)
		No. of Blocks:	11 + Club
		Scope of buildings/blocks:	Residential 2 Basement + Hollow plinth+15 floors
		No. & size of Residential Units:	312 dwelling units
		No. & type of Commercial Units:	NA
		Details of amenities if any:	Club House (for residents only), lawn, play area, etc.
15.	No. of expected residents / users/	Residents: 1716 Visitors: 514	
16.	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE**	
		Water requirement (KL/day):	18 KL/Day
		Source of water/Supply from-	SMC
		CGWA Permission details (if applicable)	NA
		Waste water generation quantity (KL/day):	6.4 KL/Day
		Mode of disposal:	Septic tank/soak pit system
		Details of reuse of water, if any:	-
		OPERATION PHASE	

		Total water Consumption (KL/day):	257.8 KL/Day
		Fresh water requirement (KL/day):	162.1 KL/Day
		Recycle of treated w/w, KL	95.7 KL/Day
		A. Gardening area	18.5 KL/Day
		B. Flushing	77.2 KL/Day
		C. Sprinklers (Nos in premises, with pipeline details)	24 Nos. gardening water sprinklers connected with 32 mm size pipeline will be provided in land scaping area while Drip irrigation type 32 mm size PVC/PE pipeline will be laid on periphery of gardening area which will be connected with treated sewage line.
		D. Storage tank details for storage of treated domestic waste water in premises	Treated Water Storage Tank: 01 Nos. Capacity: 120 m^3
		Source of water:	SMC
		Total Waste water generation quantity (KL/day):	191.44 KL/Day
		Treated Waste water to be reused	95.7 KL/Day
		Quantity and type (treated/untreated) of water to be discharged:	95.74 KLD Treated Water is disposed through underground drainage sewer line of SMC.
		In case of STP provision, capacity of STP:	250 KLD
		STP Technology:	MBBR

<table>
<tr><td></td><td></td><td colspan="4"><table><tr><td>Provision of dual plumbing system (Yes/No):</td><td>Yes</td></tr></table></td></tr>
<tr><td>17.</td><td>Status of water supply and drainage line and its permission/acknowledgement details</td><td colspan="4">SMC pipeline already in place</td></tr>
<tr><td>18.</td><td>Solid waste Management</td><td colspan="4">Construction Phase:
<table>
<tr><th>Particulars</th><th>Generation (m^3)</th><th>Quantity to be reused (m^3)</th><th>Mode of Disposal / Reuse</th></tr>
<tr><td>Top Soil</td><td>22000</td><td>22000</td><td>For green belt/garden/lawn by manual filling</td></tr>
<tr><td>Other excavated earth</td><td>1,95,000</td><td>1,95,000</td><td>Manual at site for backfilling</td></tr>
<tr><td>Construction debris</td><td>1100</td><td>1100</td><td>Manual at site for foundation /Murom</td></tr>
<tr><td>Steel scrap</td><td>150</td><td>-</td><td>Sold to scrap dealer</td></tr>
<tr><td>Discarded packing materials</td><td>220</td><td></td><td>For green belt/garden/lawn by manual filling</td></tr>
</table>
Operation Phase:
<table>
<tr><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td>Dry waste</td><td>240</td><td rowspan="2">Door to door collection</td><td rowspan="2">OWC for wet waste and dry waste will be disposed to SMC landfill site at Khajod.</td></tr>
<tr><td>Wet waste</td><td>103</td></tr>
<tr><td colspan="2">Details of segregation if to be done:</td><td colspan="2">Dry and Wet waste bins</td></tr>
<tr><td colspan="2">Capacity and no. of community bins to be placed within premises:</td><td colspan="2">50 kg bins of green and blue colour</td></tr>
<tr><td colspan="2">Landfill site where waste will be ultimately disposed by local authority:</td><td colspan="2">Khajod Landfill site operated by SMC</td></tr>
</table></td></tr>
</table>

19.	Details on staircase:	Type & no. of buildings	No. of floors	Area for each Floor (m^2)- Max	No. of staircase	Width of the staircase (m)	Total No of Lifts	Travel distance (m)	No of fire lift
		A	15	748.21	2	2 m	3	15	1
		B	14	610.76	2	2 m	3	15	1
		C	14	744.71	2	2 m	3	15	1
		D	13	606.57	2	2 m	3	15	1
		E	13	842.19	2	2 m	3	15	1
		F	14	842.19	2	2 m	3	15	1
		G	14	512.98	2	2 m	3	15	1
		H	14	747.90	2	2 m	3	15	1
		I	15	561.60	2	2 m	3	15	1
		J	15	844.96	2	2 m	3	15	1
		K	15	844.96	2	2 m	3	15	1
		Club House	GF	1609.75	-	-	-	GF	-

20.	Parking Details	As below:	Sq. mtrs.	CPS
	Total parking area requirement for the project as per GDCR:		22987.02 m^2	-
	Parking area requirement for residential units as per GDCR:		22987.02 m^2	-
	Parking area requirement for commercial units as per GDCR:		-	-
	Parking area requirement as per GDCR for (specify in case of any other):		-	-
	Total number of CPS requirement for the project as per NBC		-	717
	Total parking area provided (m^2) & No. of CPS:		50325.61 m^2	1591
	Parking area provided in basement (m^2) & No. of CPS:		46063.91 m^2	1439
	Parking area provided in hollow plinth (m^2) & No. of CPS:		4261.70 m^2	152
	Parking area provided as open surface (m^2) & No. of CPS:		-	-
	Number of Visitor parking provided in the project (No. of CPS):		-	160

21.	Traffic Management	Width of adjacent public roads:	18 m and 45 m approach road	
		Number of Entry & Exit provided on approach road/s:	2 Nos.	
		Number of Entry and Exit ramp to the basement:	2 Nos.	
		Width of Entry & Exit provided on approach road/s:	6.17 m	
		Width of the Roads:	Permissible	Proposed

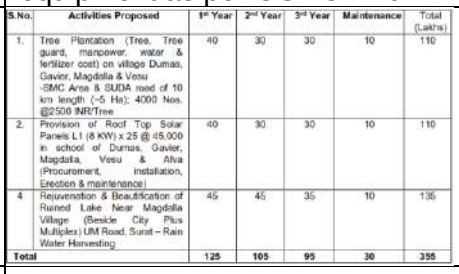
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) *i.e.* peripheral width:	6.0	7.0
		Width of all internal roads:	6.0	7.0
22.	Details of Green Building measures proposed.	• Fly ash-based blocks, and other eco-friendly building materials. • Solar system will be installed • Measures will be taken for No heat island will be generated surrounding area. On-site rainwater recharging systems for storm water control and non- potable water uses etc. • Provision of efficient lamps, luminaries and control devices. • Use of light colors for the walls and ceiling to reduce the UV absorption. • Selection of building materials, having lower U-value and the insulating material having higher R-value for optimum energy performance. • Energy audit of buildings to identify the areas where wastage of energy occurs and for devising measures of energy conservation. • Use of only variable frequency motor drives in the project.		
23.	Energy Requirement, Source and Conservation	Power supply:	DGVCL	
		Maximum demand: Connected load: Source:	1500 KW 1600 KW (2000 KVA) DGVCL	
		Energy saving measures:	Solar Panels and T5/T8 and CFL/LED lighting fixtures for internal common area lighting, maximum use of natural lighting through architectural design for the building & adequate window size.	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	-	160 KW
		No. of solar panels	-	296
		Capacity of each Solar cell	500 W	540 W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	50
			Total Solar Power Utilization for Water Pump	60

			Total Solar Power Utilization for Electric Vehicles Charging Station	50
			Other usage	--
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	--	2 Sets of 250 KVA Fuel: HSD, 135 L/hr
24.	Electric vehicle charging provision	Total no. of EV Charging points provided	472	
		Parking area designated for EV Charging parking	Electric car charging stations will be provided for 472 of the required CPS.	
		Total proposed EV charging capacity	472	
		Total power requirement to charge Electric Vehicle in kWh/day	778.8 KWh	
		Availability of power	*Out of 780 Wh/day of power requirement for Charging of Electric Vehicles, 500 kWh/day will be utilized from solar power generation and remaining 280 kWh/day will be utilized from DGVCL.*	
25.	Fire and Life Safety Measures	**During the construction phase**:		
		Fall Protection	Safety belt will be provided for each worker working at height. Safety net & adequate safety railing will also provide with having strong support.	
		Foot Protection	Safety shoes will be provided to all workers.	
		Head Protection	Safety helmet provided to all workers to protect from falling object related incident	
		Noise Protection	Noise mask provide to respective workers Ear Plugs Provided to all worker to reduce Noise.	
		Eye Protection	Safety goggles provided to respective workers	
		Ladders and Stairs	Staircases and ladder for safe access with hand rails	
		Scaffolds	Cup lock type scaffold provided and inspection done by competent scaffolder. After inspection tag system implemented for safe working	
		Access to Scaffolds	Ladder provided up to platform for safe access as per norms	

		Trenching and Excavation	Permit to work system for excavation work is implemented. Provided Hard barricading and step cutting /shoring for excavation work and also maintain slope 1:4. Necessary signages fixed at site in local language.	
		Electrical Safety	Electrical shock proof hand gloves provided to electrician. IP 65 panel board used at site. 30 mA ELCB/RCCB provided in all panel board. Regularly inspection of earth pit & ELCB. FRP ladder for electrical work. Permit to work system implemented.	
		Cranes	All lifting & tool tackles inspection (TPI) from govt. authorized competent person and regularly inspection of limit switches & maintained	
		Occupational Noise Exposure	Half yearly noise level inspection & monitoring as noise level	
		Welding and cutting	Follow hot work guidelines and provided welding and cutting related PPE. Permit to work system is implemented for hot work.	
		Others	-	
		During the operation phase	Fire safety measures	Fire extinguisher, hose reel, Yard Hydrant, wet riser, automatic sprinkler system in basement, manually operated electric fire alarm system, Automatic detection and alarm system.
			Capacity of Underground fire water tank	2 x 200 KL
			Capacity of Overhead fire water tank	120 KL
		Status of fire opinion obtained for the project, submit details	FES/OUTWARD/NOC/027 dtd. 15/03/2023	
		Nearest fire station, distance & time required for the fire tender to reach at the project site:	Vesu Fire Station at 3.00 km Majura Fire Station, 5.26 km NE	
26.	Rain Water Harvesting (RWH)	Level of the Ground water table:	10.8 m	

		RWH/Percolation well details:	**Required**	**Provided**
		No. of RWH tank(s)	8	8
		Dimensions of RWH tank(s):	-	2x2x2 m
		No. of percolations wells:	8	8 nos. of percolating well, depth will be kept 5m above ground level water table.
		Depth of percolations wells :	-	45 m x 250 mm dia
		Details on Pre-treatment facilities	-	A de-silting chamber will be provided to de-silt and remove floating material through bar screen
27.	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2)	-	2000 m2
		Area covered by shrubs and bushes (m^2):		-
		Lawn covered area (m^2):		2023.6 m2
		Total Green Area (m^2):		4023.6 m2
		Green Area % of plot area:	10%	14%
		No. of trees and species to be planted:	431	720 Neem Tree, Ashoka, Gulmohor etc.
28.	Basic amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, welfare facilities as per the Gujarat Building & Other Construction Workers Rules.		
29.	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**	
		Air	• Stack emissions from DG set to be optimized monitored. • Exhaust from vehicles to be minimized by use of fuel-efficient vehicles and well-maintained vehicles having PUC certificate. • Vehicle trips to be minimized to the extent possible.	

		Noise Control	• Machinery used for construction will be of high standard of reputed make and will adhere to international standards. • Provision of PPE to working staff.
		Water	• No untreated discharge to be made to surface water, groundwater or soil. • Take care in disposal of wastewater generated such that soil and groundwater resources are protected • Sprinkler and drip irrigation system will be used to minimize water requirement.
		Solid and hazardous waste management	• Implement waste management plan that identifies and characterizes every waste arising associated with proposed activities and which identifies the procedures for collection, handling and disposal of each waste arising. • Collection and segregation of MSW and STP sludge • OWC will be provided for wet waste collection.
		Environment monitoring	Ambient air monitoring: Once in three months (within premises) During each season (1 within premise and 04 station outside premises) Ground water sample: Once in each season Inlet & Outlet sample of STP: Once in month Ambient Noise level (day & night): Once in six months (within & surrounding 01 km area)
		Rain water	08 pockets Recharging and harvesting
		Green belt	14% of total plot area, 720 trees will be planted.
		Solar Energy	• Provision of Solar Panel (10% of total load) • Energy usage for air -conditioning and other activities to be minimized • Conduct annual energy audit for the buildings
		Fire & Safety	• To obtain Fire NOC, getting insurance policy for entire infrastructure, Fire protection and safety measures to take care of fire and explosion, to be assessed and steps taken for their prevention.

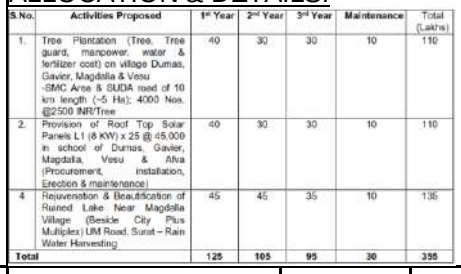
			• Provision of fire and safety equipment as per CGDCR 2017.
		CER	

S.No.	Activities Proposed	1st Year	2nd Year	3rd Year	Maintenance	Total (Lakhs)
1.	Tree Plantation (Tree, Tree guard, manpower, water & fertilizer cost) on village Dumas, Gavier, Magdalla & Vesu -SMC Area & SUDA road of 10 km length (~5 Ha); 4000 Nos. @2500 INR/Tree	40	30	30	10	110
2.	Provision of Roof Top Solar Panels L1 (8 KW) x 25 @ ₹5,000 in school of Dumas, Gavier, Magdalla, Vesu & Afva (Procurement, installation, Erection & maintenance)	40	30	30	10	110
4	Rejuvenation & Beautification of Ruined Lake Near Magdalla Village (Beside City Plus Multiplex) UM Road, Surat – Rain Water Harvesting	45	45	35	10	135
Total		125	105	95	30	355

		Amenities/ Occupational health center.	• Adequate drinking water facilities, lateral & urinal facilities, rest shelters, children playing rooms, Lunch Space, First-Aid box, free medicines etc. • Construction Worker's health check-up, insurance under the BOCW Act 1996.

30. Budgetary provision of Environment Management plan

S. No	Head	Basis for cost estimates	Total Capital cost (Rs. In lacs) (Construction and operation phase)	Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)	Implementation Plan For Capital Expenditure
1.	Air	Dust Mitigation Measures (Provisions of barricades etc.)	2	0.2	Implement during Construction & operation phase
		Stack and DG room, its capacity	1	0.1	
2	Noise Control	Noise control measures like provision of PPEs, Lubrication in Construction Machinery, Provision of acoustic enclosures and vibration sheet at D.G set	2	0.1	
3.	Water	250 KLD – MBBR Type STP, Area Require – 100 Sq. m.	36.5	0.5	
4.	Solid and hazardous waste management	343.2 Kg/Day – Automatic OWC Area requires – 65 Sq.m.	5.5	0.21	

		5.	Environment monitoring	The recurring cost would be incurred on hiring of consult- ants and payment of various statutory fees to regulatory agencies.	5	0.1	
		6.	Rain water	Collection system, treatment and recharge well - 8 nos. P. W.C.	5	0.2	
		7.	Green belt	720 nos. of Trees and Lawn Area Development	15	0.4	Greenbelt at Periphery of project (Construction phase Within 1 year) & Greenbelt at Except Periphery of project (operation phase within one year)
		8.	Solar Energy	Roof Top Solar – 160 KW; Terrace Space require –1114 Sq.m.	75	0.50	Implement during Operation phase (Within one year)
		9.	Fire & Safety	Provide Fire Fighting Systems as per Fire Opinion from SMC and Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.	162	1.3	Implement during Construction phase & before Operation phase
		10.	CER	List out detailed activities to be carried out under CER with <u>YEAR WISE AMOUNT ALLOCATION & DETAILS.</u> 			During Construction phase CER Activity will be carried out within 3 years
			1	Tree Plantation (Tree, Tree guard, manpower, water & fertilizer cost) on village Dumas,	110	-	

S.No.	Activities Proposed	1st Year	2nd Year	3rd Year	Maintenance	Total (Lakhs)
1.	Tree Plantation (Tree, Tree guard, manpower, water & fertilizer cost) on village Dumas, Gavier, Magdalla & Vesu -SMC Area & SUDA road of 10 km length (~5 Ha); 4000 Nos. @2500 INR/Tree	40	30	30	10	110
2.	Provision of Roof Top Solar Panels L1 (8 KW) x 25 @ 45,000 in school of Dumas, Gavier, Magdalla, Vesu & Alva (Procurement, installation, Erection & maintenance)	40	30	30	10	110
4	Rejuvenation & Beautification of Ruined Lake Near Magdalla Village (Beside City Plus Multiplex) UM Road, Surat – Rain Water Harvesting	45	45	35	10	135
Total		125	105	95	30	355

				Gavier, Magdalla & Vesu -SMC Area & SUDA road of 10 km length (~5 Ha); 4000 Nos. @2500 INR/Tree			
			2.	Provision of Roof Top Solar Panels L1 (8 KW) x 25 @ 45,000 in school of Dumas, Gavier, Magdalla, Vesu & Afva (Procurement, installation, Erection & maintenance)	110	-	
			3	Rejuvenation & Beautification of Ruined Lake Near Magdalla Village (Beside City Plus Multiplex) UM Road, Surat – Rain Water Harvesting	135	-	
		11.	Amenities / Occupational health center	Providing of amenities facility for worker	5.0	0.50	Implement during Construction phase
		Total			669	4.11	

- Committee deliberated on the following:

  - ✓ PP was asked to Submit Point wise compliance of Fire opinion.
  - ✓ PP was asked to submit Revised CER.
  - ✓ PP was asked to submit updated Land Documents of all the survey nos. in name of Applicant.
  - ✓ ToR points and its compliances were reviewed by the Committee.

- PP replied vide their email dated 16-10-2023 and submitted the following:

  1. Point wise compliance of the Fire opinion.
  2. Revised CER details.
  3. Updated 7/12(Land Document) showing the name of Bharatkumar D Undhad of Avadh Buildcraft LLP.

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on

08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 11 nos of buildings [2 Basement + Hollow plinth+15 floors].
3. The height of the building shall not be higher than 52.4 mts.
4. The Peripheral margin shall be 07 mts and Internal roads shall be 07 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 18 KLD and it shall be met through SMC . No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through Septic tank/soak pit system.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 257.8 KLD, out of which fresh water requirement of 162.1 KLD shall be met through SMC and the remaining 95.7 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 191.44 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of SMC.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 8 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (2 X 250 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.
23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to

vendors whereas the other garbage shall be disposed off properly as per the provisions made by the SMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
26. Firefighting facilities like Fire extinguisher, hose reel, Yard Hydrant, wet riser, automatic sprinkler system in basement, manually operated electric fire alarm system, Automatic detection and alarm system, terrace water tanks of 120 KL capacity, 2 underground water tank of 200 KL each , etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)- Max	No. of staircase	Width of the staircase (m)	Total No of Lifts	Travel distance (m)	No of fire lift
A	15	748.21	2	2 m	3	15	1
B	14	610.76	2	2 m	3	15	1
C	14	744.71	2	2 m	3	15	1
D	13	606.57	2	2 m	3	15	1
E	13	842.19	2	2 m	3	15	1
F	14	842.19	2	2 m	3	15	1
G	14	512.98	2	2 m	3	15	1
H	14	747.90	2	2 m	3	15	1
I	15	561.60	2	2 m	3	15	1
J	15	844.96	2	2 m	3	15	1
K	15	844.96	2	2 m	3	15	1
Club House	GF	1609.75	-	-	-	GF	-

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 50325.61 m^2 (1591 CPS) [46063.91 m^2 in Basement + 4261.70 m^2 in Hollow Plinth] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 160 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 4023.6 m2 comprising of 2000 m2 tree covered area with 720 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 669 Lakhs and Recurring cost of Rs 4.11 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 355 Lakhs as committed before SEAC for activities like Tree Plantation (Tree, Tree guard, manpower, water & fertilizer cost) on village Dumas, Gavier, Magdalla & Vesu -SMC Area & SUDA road of 10 km length (~5 Ha); 4000 Nos. @2500 INR/Tree, Provision of Roof Top Solar Panels L1 (8 KW) x 25 @ 45,000 in school of Dumas, Gavier, Magdalla, Vesu & Afva (Procurement, installation, Erection & maintenance) , Rejuvenation & Beautification of Ruined Lake Near Magdalla Village (Beside City Plus Multiplex) UM Road, Surat – Rain Water Harvesting.
39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation

and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

4	**SIA/GJ/INFRA2/438411/2023**	**Blue Ocean (Residential & Commercial building construction project)** **Survey No. 266, FP No. 134, of Preliminary TPS No. 83 (Vejalpur-Gyaspur-Maktampur), Village Gyaspur, Tal. Vatva, Dist. Ahmedabad &** **Survey No. 79/2, FP No. 71/1, of Preliminary TPS No. 84/A (Makarba), Village Makarba, Tal. Vejalpur, Dist. Ahmedabad.**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/438411/2023 dated: 01/09/2023.

- This is a proposed Residential cum commercial building construction project having net plot area of 6744.62 m2, FSI area of 14,932.82 m2 and the proposed built-up area of the project is 24,505.40 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New/~~Expansion/Amendment~~
1.2. Proposal no.	SIA/GJ/INFRA2/438411/2023
1.3. Category of Project:	8(a)
1.4. Date of application accepted by SEAC	01-09-2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1,Form-1-A, Conceptual plan, EMP, NA Permissions, Airport NOC, Firefighting opinion etc.
1.6. TOR No. & Date:	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant Name:	Envisafe Environment Consultants
1.8. SEAC Meeting No. and Date:	708th SEAC meeting dated 16/10/2023

2. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	**SIA/GJ/INFRA2/438411/2023**
2.	Name of the project	Blue Ocean
3.	Address of the Site	Survey No. 266, FP No. 134, of Preliminary TPS No. 83 (Vejalpur-Gyaspur-Maktampur), Village Gyaspur, Tal. Vatva, Dist. Ahmedabad & Survey No. 79/2, FP No. 71/1, of Preliminary TPS No. 84/A (Makarba), Village Makarba, Tal. Vejalpur, Dist. Ahmedabad.

<table>
<tr><td>4.</td><td>Name of Developer</td><td>Aryanparv warehousing</td></tr>
<tr><td>5.</td><td>Estimated Project Cost (Rs. In Crores)</td><td>129.38</td></tr>
<tr><td>6.</td><td>Whether construction work has been initiated at site? If yes, details thereof
And if No, Date up to which construction has not started.</td><td>No
Construction work will be started after obtaining EC</td></tr>
<tr><td>7.</td><td>Details of Undertaking stating current status of construction at site.</td><td>Uploaded on Parivesh portal in additional documents section – Undertaking</td></tr>
<tr><td>8.</td><td>Whether NA permissions of all survey Nos have been obtained, details there of</td><td>Yes. NA permission is attached as Annexure 1 of the conceptual plan
Uploaded on Parivesh portal in additional documents section – Annexure - LPD</td></tr>
<tr><td>9.</td><td>Site coordinates</td><td>
<table>
<tr><td>A</td><td>22°59'22.68"N</td><td>72°30'49.81"E</td></tr>
<tr><td>B</td><td>22°59'22.96"N</td><td>72°30'49.78"E</td></tr>
<tr><td>C</td><td>22°59'22.97"N</td><td>72°30'49.55"E</td></tr>
<tr><td>D</td><td>22°59'23.95"N</td><td>72°30'49.36"E</td></tr>
<tr><td>E</td><td>22°59'24.07"N</td><td>72°30'50.07"E</td></tr>
<tr><td>F</td><td>22°59'24.37"N</td><td>72°30'49.92"E</td></tr>
<tr><td>G</td><td>22°59'24.26"N</td><td>72°30'49.31"E</td></tr>
<tr><td>H</td><td>22°59'24.58"N</td><td>72°30'49.24"E</td></tr>
<tr><td>I</td><td>22°59'24.89"N</td><td>72°30'50.52"E</td></tr>
<tr><td>J</td><td>22°59'25.91"N</td><td>72°30'50.04"E</td></tr>
<tr><td>K</td><td>22°59'26.18"N</td><td>72°30'52.06"E</td></tr>
<tr><td>L</td><td>22°59'23.86"N</td><td>72°30'52.97"E</td></tr>
</table>
</td></tr>
<tr><td>10.</td><td>Project Details</td><td>• Land / Plot Area (m^2) – 6744.62
• FSI area (m^2):14,932.82
• Total BUA (m^2):24,505.40
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area(m^2)</td><td>12,140.32</td><td>20,200.26</td></tr>
<tr><td>Ground Coverage (m^2)</td><td>--</td><td>1576.65</td></tr>
<tr><td>Common Plot Area(m^2)</td><td>674.46</td><td>766.93</td></tr>
<tr><td>Max. building height(m)</td><td>55.83</td><td>49.96</td></tr>
</table>
</td></tr>
<tr><td>11.</td><td>Airport NOC</td><td>NOC no AHME/WEST/B/050223/755687</td></tr>
<tr><td>12.</td><td>~~In case of Expansion project/ Amendment project~~</td><td>~~Reason of the Expansion~~
~~Details of earlier EC obtained for the project~~
~~NOT APPLICABLE~~</td></tr>
<tr><td>13.</td><td>~~In case of Expansion/ Amendment~~</td><td>~~NOT APPLICABLE~~

~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~</td></tr>
</table>

		~~Condition No.~~	~~Details as per EC Granted~~	~~Details require by the PP~~
14.	Building Details	No. of Buildings:	3 Buildings of residential apartments + commercial	
		No. of Blocks:	1 Block	
		Scope of buildings/blocks:	Basement + Ground floor/ Hollow plinth + 13 floors	
		No. & size of Residential Units:	132 nos. of 2 BHK apartments	
		No. & type of Commercial Units:	51 no. of Shops	
		Details of amenities if any:		
15.	No. of expected residents / users/	**Residents: 999** **Visitors: 631**		
16.	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE**		
		Water requirement (KL/day):	• Domestic - 70 (workers) x 0.45. KLD/Person **= 3.5 KLD** Others – **43 KLD** (dust suppression, washing of equipment, concrete curing and mixing)	
		Source of water/Supply from-	Private tankers	
		Waste water generation quantity (KL/day):	• Domestic - 3.5 KLD x 80% = 3 **KLD** Washing – **10.0 KLD (to be reused)**	
		Mode of disposal:	Septic tank / soak pit	
		Details of reuse of water, if any:	10.0 for concrete handling, mixing & curing	
		OPERATION PHASE		
		Total water Consumption (KL/day):	121.0	
		Fresh water requirement (KL/day):	73.0	
		Recycle of treated w/w, KL	48.0	
		A. Gardening area, m2	3.0 KLD for 838 sq.m.	

B. Flushing	45 KLD
C. Sprinklers (Nos in premises, with pipeline details)	20 no. of sprinklers for lawn area Drip irrigation system for trees
D. Storage tank details for storage of treated domestic waste water in premises	40 KLD
Source of water:	AMC supply
Total Waste water generation quantity (KL/day):	95.0
Treated Waste water to be reused	Gardening (KL/day): 3 KLD Flushing (KL/day): 45 KLD
Quantity and type (treated/untreated) of water to be discharged:	Total sewage generated will be 95 KLD, out of which @48 KLD will be reused in gardening & flushing purpose and remaining balance quantity 47 KLD will be discharged into AMC drainage line.
In case of STP provision, capacity of STP:	105 KLD
STP Technology:	MBBR
Provision of dual plumbing system (Yes/No):	Yes There will be treated sewage tank of 40 KL capacity and each block will have overhead treated sewage tank of 10 KL capacity

17.	Status of water supply and drainage line and its permission/ acknowledgement details	Water supply and drainage connection will be provided by AMC. The charges toward water supply connection and drainage connection will be paid along with submission of drawings for plan passing.			
18.	Solid waste Management	**Construction Phase**:			
			Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
		Top Soil	2100	2100	For developing green cover.
		Other excavated earth	15,100	15,100	Backfilling on the project site wherever required or in the nearby low laying area with prior permission of landowner.
		Construction debris	200	200	
		Steel scrap	10 T	10 T	Will be sold to scrap dealers/ recycler
		Discarded packing materials	5 T	5 T	
		Others	--	--	
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	95	Door to door collection by separate dustbins	sell to scrap vendors
		Wet waste	217		Process in onsite organic waste converter & Manure will be used in gardening
		STP Sludge	5.0	--	
		Used Oil (KL/Annum)	0.1	-	Collection, Storage & Sell to Registered

										Reprocessors.
				Details of segregation if to be done:						Dry and waste will be collected in separate bins
				Capacity and no. of community bins to be placed within premises:						26 community bins of 80 L Capacity
				Landfill site where waste will be ultimately disposed by local authority:						Dumping site @Pirana
19.	Details on staircase:	Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)	
		2 BHK – Block A	B+G +13	1334.34 - 1380.96	1	2.05	2	1	18.51	
		2 BHK – Block B			1	2.05	2	1	18.74	
		2 BHK – Block C			1	2.05	2	1	18.92	
		Commercial Shops - Block A+B+C	B+G +2	1094.19 - 1482.92	2	1.55	2	1	23.60	
20.	Parking Details			As below:				Sq. mtrs.		CPS
	Total parking area requirement for the project as per GDCR:							4,002.73		--
	Parking area requirement for residential units as per GDCR:							2,309.12		--
	Parking area requirement for commercial units as per GDCR:							1,693.61		--
	Parking area requirement as per GDCR for Visitor parking):							570.00		--
	Total number of CPS requirement for the project as per NBC							--		155
	Total parking area provided (m^2) & No. of CPS:							6,401.16		258
	Parking area provided in basement (m^2) & No. of CPS:							5,207.23		204
	Parking area provided in hollow plinth (m^2) & No. of CPS:							368.06		18
	Parking area provided as open surface (m^2) & No. of CPS:							825.87		36
	Number of Visitor parking provided in the project (No. of CPS): in OPEN SURFACE							686.15		29
21.	Traffic Management			Width of adjacent public roads:				60 m on South and 7.5 m on West		
				Number of Entry & Exit provided on approach road/s:				1 Nos of separate entry and exit (each of 6.0 m)		

		Number of Entry and Exit ramp tothe basement:	Single Ramp of 6.0 m width	
		Width of Entry & Exit provided on approach road/s:	6.0 m	
		Width of the Roads:	Permissible	Proposed
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	--	6.0 m
		Width of all internal roads:	--	6.0 – 9.03 m
22.	Details of Green Building measures proposed.	**Following are the Green Building Measures:** • 125 solar panels with power generation capacity of 67 KW. • Rainwater harvesting system having 2 percolation wells, RWH tank with 100 KL capacity. • Energy conservation measures (point no. 22)		
23.	Energy Requirement, Source and Conservation	Power supply:	Torrent Power Ltd.	
		Maximum demand: Connected load: Source:	700 KW	
		Energy saving measures:	• Efficient lamps, luminaries and control devices will be provided. • Solar Panels will be installed. • Time switches will be installed for automatic switching off lighting of buildings and street lighting of roads. • The transformers and motors will be provided having minimum efficiency of 85%. • Use of light colors for the walls and ceiling to reduce the UV absorption and minimize the associated cooling requirement. • The building materials, having lower U-value and the insulating material having higher R-value will be selected for optimum energy performance.	
		Power Generation:	Required	Provided
		Solar power generation	35	67

		(Capacity in KW):		
		No. of solar panels	--	125
		Capacity of each Solar cell	535 W	
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	6 kw
			Total Solar Power Utilization for Water Pump	41 KW
			Total Solar Power Utilization for Electric Vehicles Charging Station	20 KW
			Other usage	--
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	--	1 Nos. of 100 KVA
24.	Electric vehicle charging provision	Total no. of EV Charging points provided	**50**	
		Parking area designated for EV Charging parking	Electric car charging stations will be provided for 50 nos. of the required CPS	
		Total proposed EV charging capacity	250KWh	
		Total power requirement to charge Electric Vehicle in kWh/day	500KWh (considering 100 nos. of cars to be charged daily)	
		Availability of power	*Out of 500KWh/day of power requirement for Charging of Electric Vehicles, 50 kWh/day will be utilized from solar power generation and remaining 450 kWh/day will be utilized from Torrent Power Ltd. grid*	
25.	Fire and Life Safety Measures	**During the construction phase**:		
		Fall Protection	• Provision of portable ladders with grab rails.	

			• Provision of guardrails or some other means for protecting people from falling into the trench/excavation. • Provision of safety net for preventing accidental fall of people or objects from the site
		Foot Protection Head Protection Noise Protection Eye Protection	• Provision of personal protective equipment like Helmets, Safety Shoes, Hand Gloves, Goggles, Clothing, earplugs, earmuffs, face shields etc. as per the requirements during construction works. • Provision of adequate Eye protection (safety glasses and goggles, face shields and welding helmets).
		Ladders and Stairs	• Provision of portable ladders with grab rails.
		Scaffolds Access to Scaffolds	• Installation & Use of certified Scaffolds • Use of scaffold by authorized person under adequate supervision
		Trenching and Excavation	• The area around the trench/excavation would be kept clear • Ensure no accumulation of water in excavation • Hard barricading and step cutting/shoring for excavation work will be provided • Ensure barriers or guardrails in place to protect people or equipment falling into the excavation or trench • Necessary signage will be placed
		Electrical Safety	• Use of electrical fittings/equipment with relevant IS standards. • Completion of all temporary wiring and electrical installations by licensed electrician only. • Protection of all extension cords for equipment or temporary wiring from being damaged or compromised
		Cranes	• Use of crane and activities under supervision of competent person

			• Before operating a crane and moving a load, check all parts of the cranes • Make sure safety features, such as latches on hooks/ hoists, and emergency disconnects, are in place. • Crane operators should also check there are no overhead power lines that could obstruct the operation • Sound a siren or other warning prior to starting
		Occupational Noise Exposure	• Engineering controls will be implemented to reduce noise • Hearing protection devices will be provided to workers. • Continuous exposure to high noise area to be avoided
		Welding and Cutting	• Provision of adequate Eye protection (safety glasses and goggles, face shields and welding helmets). • Provision of fire extinguisher near welding and burning activities. • Hot work guideline will be followed and training will be given to worker • Hot work operators would use proper personal protective equipment (i.e. welding helmet, burning goggles, face shield, welding gloves, and apron) • Signage will be placed • Specific CAUTION and DANGER signs are posted at all potential hazards
		Others	• Use of efficient equipment for construction activity. • To the greatest extent possible, working surfaces must be kept dry to prevent slips and falls • Training to all the workers on safety aspects • First aid box at identified places within premise, displaying of

			important telephone numbers like fire station, doctor, ambulance etc	
		During the operation phase"	Fire safety measures	Provision of 90 Nos of Type ABC and DCP fire extinguishers Provision of fire alarms, hose reels, external hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, first aid box, displaying of important telephone numbers etc
			Capacity of Underground fire water tank	100 KL
			Capacity of Overhead fire water tank	10 KL on each block A, B & C
		Status of fire opinion obtained for the project, submit details	Fire opinion obtained and attached as Annexure 5 of conceptual plan. Uploaded on Parivesh portal	
		Nearest fire station, distance & time required for the fire tender to reach at the project site:	Aslali fire station @ 2 Km distance, Time – 10 to 12 mins	
26.	Rain Water Harvesting (RWH)	Level of the Ground water table:	10 – 20 mbgl	
		RWH/Percolation well details:	Required	Provided
		No. of RWH tank(s)	1	1
		Dimensions of RWH tank(s):		50 KL each
		No. of percolations wells:	2	2

		Depth of percolations wells:	--	60 m
		Details on Pre-treatment facilities	--	--
27.	Green area details	Details:	Required as per prevailing Laws / policy / rule	Provided
		Tree covered area (m^2) :	--	338
		Area covered by shrubs and bushes (m^2):	--	499.8
		Lawn covered area (m^2):	--	
		Total Green Area (m^2):	--	837.8
		Green Area % of plot area:	No norms in GDCR	12.4
		No. of trees and species to be planted:	Considering 5 trees per 200 sq.m. area, 169 Nos. of trees	169
28.	Basic amenities to be provided to construction workers.	• Drinking water, sanitation facilities, • Medical facilities will be provided to all workers. • Free medicines, doctor service • PPEs will be provided to labours		
29.	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**	
		Air	**<u>During Construction phase:</u>** • Covering of stored construction materials • Covering of construction materials during transportation • Dust suppression by water sprinkling • Barricades around construction area • Use of PUC certified of construction equipment & vehicles. **<u>During Operation phase:</u>** • DG sets to comply with the applicable emission norms and to be operated during power failure only. • Adequate stack height for the DG set will be provided for natural dispersion of pollutants and use of low sulphur diesel • Adequate green area development toreduce the impact of Air pollution	

		Noise Control	**During construction phase:** • Proper maintenance of construction equipment & vehicles • Lubrication of noise generating machineries • Use of personal protective equipment by workers. • Vehicles and construction equipmentwith internal combustion engines without proper silencer will not be allowed to operate at the construction nsite. **During Operation phase:** • DG sets will be installed with in built acoustic enclosure to minimize noise. • Adequate parking, road signage and traffic management to avoid traffic congestion & noise.
		Water	**During construction phase:** • Efforts will be made to conserve the water • Appropriate sanitation facilities to be provided for the construction workers to reduce impact on surface water quality. • Entire wastewater will be disposed through septic tank • Spill prevention measures will be adopted at site. • Suitable drainage network would be made to ensure proper draining of w/w from construction site. **During Operation phase:** • The domestic wastewater generated will be treated in well-designed Sewage treatment plant • Water efficient fixtures will be installed for reduction of water consumption. • Rain Water Harvesting (RWH) system would be provided for rain water conservation
		Solid and hazardous waste management	**During construction phase:** • Waste management systems will be in place through Comprehensive Waste Management Plan. • Dust bins will be placed at requisite locations at construction site and there

			will be segregation of wastes before disposal • Hazardous waste such as used oil from DG set shall be collected and stored in leak proof containers and kept in isolated place and will be given to authorized recyclers. **<u>During Operation phase:</u>** • Adequate Green area will be developed and Sludge generated from STP will be used as manure for green belt development. • Dust bins will be placed at requisite locations and there will be segregation of wastes before disposal • Waste management systems will be in place to ensure the compliance with SWM, HWM through Comprehensive Waste Management Plan.
		Environment monitoring	• Third party Environment monitoring will be done during construction and operation phase
		Rain water	• 2 nos. of percolation well will be provided within site to recharge rainwater during rainy season. • An underground tank with for collection/reuse of rain water will be constructed
		Green belt	• Adequate Green area will be developed and Sludge generated from STP will be used as manure for green belt development.
		Solar Energy	• Solar panels will be installed to generate solar power which will be utilize for common lighting facility • Use of solar LED lights in the common areas
		Fire & Safety	• Adequate firefighting installations like wet risers, sprinklers, internal hydrants etc. will be provided as per the condition of fire opinion/fire NOC.
		CER	• Social upliftment activities will be carried our as part of CER activities. • Total Rs. 243.5 Lakhs is allocated for CER activities
		Amenities/ Occupational health center.	• Clean drinking water, Toilets and bathrooms, Sanitation facility (septic tank & soak pit), • Changing rooms will be provided to workers,

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- Adequate Personal Protective Equipment, First aid and emergency facilities,
- Place to eat food, snacks, tea,
- Solid waste collection and disposal facilities, medical facilities will be provided to all workers.
- Regular health check-up of the worker will be carried out by qualified doctors / medical practitioner.

</td></tr>
<tr><td>30.</td><td>Budgetary provision of Environment Management plan</td><td>
<table>
<tr><th>Sr. No</th><th>Head</th><th>Basis for cost estimates</th><th>Total Capital cost (Rs. In lacs) (Construction and operation phase)</th><th>Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)</th><th>Implementation Plan For Capital Expenditure</th></tr>
<tr><td>1.</td><td>Air</td><td>Dust mitigation measures (Barricading site, water sprinkler installation of rumble grids)</td><td>3.0</td><td>0.50</td><td>Construction phase</td></tr>
<tr><td></td><td></td><td>DG Set room and Stack</td><td>2.0</td><td>0.30</td><td>Operation phase</td></tr>
<tr><td>2</td><td>Noise Control</td><td>Provision of acoustic mufflers /enclosures in large machineries, Provision PPEs to workers, Implement good working Practices etc.</td><td>5.0</td><td>--</td><td>Construction phase</td></tr>
<tr><td></td><td></td><td>Provision of acoustic enclosure around DG Set, provision of traffic signage</td><td>3.0</td><td>--</td><td>Operation phase</td></tr>
</table>
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</table>

			within premises			
		3.	Water	Provision of Soak Pit and Septic Tank	1.0	--	Construction phase
				105 KLD capacity STP, Area 35sq.m.	70.0	1.8	Operation phase
		4.	Solid and hazardous waste management	Installation of OWC 100 kg/day, Area 20sq.m. Provision of collection bins and transportation cost	5.0	0.50	Operation phase
		5.	Environment monitoring	The recurring cost would be incurred on hiring of consultants and payment of various statutory fees to regulatory agencies.	--	0.50	Construction & Operation phase
		6.	Rain water	Collection system, treatment and recharge well 3 nos.	6.0	1.00	Operation phase
		7.	Green belt	169nos. Trees and Lawn Area Development	1.0	1.50	Construction & Operation phase
		8.	Solar Energy	Roof Top Solar – 67 KW; Terrace Space require – 373.62 Sq.m.	30.0	3.00	Operation phase

9.	Fire & Safety	Provide Fire Fighting Systems as per Fire Opinion from SMC and Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.	30.0	1.0	Operation phase
10.	CER	List out detailed activities to be carried out under CER with YEARWISE AMOUNT ALLOCATION & DETAILS.	243.5	5.0	Operation phase
11	Amenities/ Occupational health center	Providing of amenities facility for worker	4.0	1.0	Construction phase
12	EV Charging station	50 Nos. of EV charging points	35.0	--	Operation phase
Total			**438.5**	**16.1**	

Phase Wise Budgetary Allocation for CER

Sr. No	CER Field	Phase wise Budget Allocation, Rs. in Lakhs				% of total amt.
		1st Year	2nd Year	3rd Year	Total	
1.	Solar panel installation	30.0	35.0	35.8	100.8	**41.0**
2.	Water & Sanitation	24.0	25.0	21.0	70.0	**29.0**
3.	Green Belt Development	20.6	22.5	29.6	72.7	**30.0**
Total CER Budget		**74.6**	**82.5**	**86.4**	**243.5**	**100.0**

Activity wise Allocation for CER

Sr. No.	Name of Villages	Budget Allocation (Rupees)	CER Activities
1	Chaloda	15,00,000	Rain water harvesting structures (5 Nos.)
		20,60,000	Development of gardens & Tree plantation in reserved plots
		14,40,000	Solar panel installation in Primary Health Center (35 KW)
Total		**50,00,000**	
2	Makaraba	14,40,000	Solar panel installation in Government schools (35 KW)
		10,50,000	Rain water harvesting structure (3 Nos.)
Total		**24,90,000**	
3	Badrabad	10,50,000	Rain water harvesting structures (3 Nos.)
		12,00,000	Solar panel installation in Government schools (30 KW)
		12,00,000	Solar panel installation in Primary health center (30 KW)
Total		**34,50,000**	
4	Vanzar	15,15,000	Development of gardens & Tree plantation in reserved plots
		12,00,000	Solar panel installation in government schools (30 KW)
		10,00,000	Rain water harvesting structures (3 Nos.)
Total		**37,15,000**	
5	Lambha	18,70,000	Development of gardens & Tree plantation in reserved plots
		12,00,000	Rain water harvesting structures (4 Nos.)
		12,00,000	Solar panel installation in Public Health Center (PHC) - (30 KW)
Total		**42,70,000**	
6	Gyaspur	12,00,000	Rain water harvesting structures (4 Nos.)
		18,25,000	Development of gardens & Tree plantation in reserved plots
		24,00,000	Solar panel installation in Public Health Center and government schools (60 KW)
Total		**54,25,000**	
Grand Total		**2,43,50,000**	

- Committee deliberated on the following:

  - ✓ Existing Building Structures were observed in plot of the project and PP presented that it was a party lawn and the existing structure will be demolished.
  - ✓ PP was asked to Revise Details of parking for residential and commercial area with breakup of residential and visitor parking.

- ✓ PP was asked to submit Compliance of Fire opinion conditions.
- ✓ PP was asked to submit revised details of CER.

PP replied vide their email dated 20-10-2023 and submitted the following :

1. PP submitted that they will provide mechanical parking in basement area so as each residential unit will have availability of one CPS. The revised details of provision of residential and commercial parking along with visitor parking as per CGDCR requirement was submitted. PP submitted that it is evident from the submission that against 132 residential units, there will be provision of 195 ECS, whereas for 51 no. of commercial units, there will be provision of 63 ECS.
2. Fire Opinion has been obtained via No. OPN191601052023 dated 01/05/2023. Condition wise compliance of fire opinion was also submitted.
3. Revised CER activities along activity wise and village wise fund allocation was submitted. The recurring cost of CER activities is also included in EMP budget allocation and revised EMP cost was submitted
4. PP also submitted the Revised SEAC format with required changes.

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on 08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 3 nos of buildings [Basement + Ground floor/ Hollow plinth + 13 floors].
3. The height of the building shall not be higher than 49.96 mts.
4. The Peripheral margin shall be 6 mts and Internal roads shall be 6 – 9.03 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 46.5 KLD and it shall be met through tankers. No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through Septic tank / soak pit.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 121.0 KLD, out of which fresh water requirement of 73.0 KLD shall be met through AMC and the remaining 48.0 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 95.0 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of AMC.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.

18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 2 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (100 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.
23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the AMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
26. Firefighting facilities like Provision of 90 Nos of Type ABC and DCP fire extinguishers Provision of fire alarms, hose reels, external, hydrants & wet risers, automatic sprinkler system in basement, pumping arrangement system-riser with pressure pump, first aid box, displaying of important telephone numbers etc, terrace water tanks of 10 KL capacity each building , underground water tank of 100 KL, etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)
2 BHK – Block A	B+G+13	1334.34-1380.96	1	2.05	2	1	18.51

2 BHK – Block B			1	2.05	2	1	18.74
2 BHK – Block C			1	2.05	2	1	18.92
Commercial Shops - Block A+B+C	B+G+2	1094.19-1482.92	2	1.55	2	1	23.60

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 6,401.16 m^2 (258 CPS) [5,207.23 m^2 in Basement + 368.06 m^2 in Hollow Plinth + 825.87 m^2 in open area] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 67 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 837.8 m2 comprising of 338 m2 tree covered area with 169 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 438.5 Lakhs and Recurring cost of Rs 16.1 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 248.5 Lakhs as committed before SEAC for activities like Rain water harvesting structures (5 Nos.) Development of gardens & Tree plantation in reserved plots, Solar panel installation in Primary Health Center (35 KW) at Chaloda village. Solar panel installation in Government schools (35 KW), Rain water harvesting structure (3 Nos.) at Makaraba village. Rain water harvesting structures (3 Nos.), Solar panel installation in Government schools (30 KW), Solar panel installation in Primary health center (30 KW) at Badrabad village. Development of gardens & Tree plantation in reserved plots, Solar panel installation in government schools (30 KW), Rain water harvesting structures (3 Nos.) at Vanzar village. Development of gardens & Tree plantation in reserved plots, Rain water harvesting structures (4 Nos.), Solar panel installation in Public Health Center (PHC) - (30 KW) at Lambha village. Rain water harvesting structures (4 Nos.), Development of gardens & Tree plantation in reserved plots, Solar panel installation in Public Health Center and government schools (60 KW) at Gyaspur village.

39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

5	**SIA/GJ/INFRA2/440809/2023**	**PROPOSED CONSTRUCTION OF NEW RESIDENTIAL PROJECT "RAJHANS UNICA" BY MR. KIRANBHAI T. BEJANWALA AT BLOCK NO.: 435, T.P.S. NO.: 11 (ADAJAN), O.P. NO.: 54, F.P. NO. : 86, MOJE: ADAJAN, TA.: ADAJAN, DIS.: SURAT-395005.**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/440809/2023 dated: 24/08/2023.
- This is a proposed Residential building construction project having net plot area of 14,797.0 m2, FSI area of 59,188.0 m2 and the proposed built-up area of the project is 1,10,528.80 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New
1.2. Proposal no.	SIA/GJ/INFRA2/440809/2023
1.3. Category of Project :	8(a)
1.4. Date of application accepted by SEAC	24/08/2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1, Form-1-A, Conceptual plan, EMP, NA Permissions, Airport NOC, Firefighting opinion, Legal Undertaking etc.
1.6. TOR No. & Date :	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant Name :	M/S. ECOGREEN ENVIRO SERVICES
1.8. SEAC Meeting No. and Date:	---
1.9. ADS vide letter dated :	Not Applicable
1.10. Reply Submitted by PP on portal dated:	Not Applicable
1.11. Revised Consideration SEAC Meeting No. and Date:	Not Applicable

2. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/440809/2023
2.	Name of the project	Residential construction Project "RAJHANS UNICA"
3.	Address of the Site	Block No.: 435, T.P.S. No.: 11 (Adajan), O.P. No.: 54, F.P. No.: 86, Moje: Adajan, Ta.: Adajan, Dis.: Surat-395009.
4.	Name of Developer	Mr. Kiranbhai T. Bejanwala
5.	Estimated Project Cost (Rs. In Crores)	193.75 Cr.
6.	Whether construction work has been	No any construction activity has been started up to date.

<table>
<tr><td></td><td>initiated at site? If yes, details thereof And if No, Date up to which construction has not started.</td><td></td></tr>
<tr><td>7.</td><td>Details of Undertaking stating current status of construction at site.</td><td>We undertake that we have not started any construction activity which will violate the EIA Notification 2006.</td></tr>
<tr><td>8.</td><td>Whether NA permissions of all survey Nos have been obtained, details there of</td><td>NA copy 1-3515/22/16/001/2023, date:27.07.2023 (For 9864.67 sq. m.)
NA copy 2-3514/22/16/001/2023, date:27.07.2023 (For 4932.33 sq. m.)</td></tr>
<tr><td>9.</td><td>Site coordinates</td><td>(With all coordinates of the polygon)
<table>
<tr><td>A</td><td>21°12'22.03"N</td><td>72°48'07.46"E</td></tr>
<tr><td>B</td><td>21°12'21.45"N</td><td>72°48'11.04"E</td></tr>
<tr><td>C</td><td>21°12'19.37"N</td><td>72°48'04.41"E</td></tr>
<tr><td>D</td><td>21°12'18.07"N</td><td>72°48'10.39"E</td></tr>
</table></td></tr>
<tr><td>10.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 14,797.0
• FSI area (m2): 59,188.0
• Total BUA (m2): 1,10,528.80
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area(m^2)</td><td>59,188.0</td><td>59,188.0</td></tr>
<tr><td>Ground Coverage(m^2)</td><td>--</td><td>4707.60</td></tr>
<tr><td>Common Plot Area(m^2)</td><td>1479.7 (Min.)</td><td>1479.88</td></tr>
<tr><td>Max. building height(m)</td><td>78.09 (Max)</td><td>69.97</td></tr>
</table></td></tr>
<tr><td>11.</td><td>Airport NOC</td><td>Airport NOC Obtained from Airports Authority of India vide letter no.: SURA/WEST/B/062123/764672, Dated: 05.07.2023</td></tr>
<tr><td>12.</td><td>~~In case of Expansion project/~~</td><td>~~Reason of the Expansion~~ ~~**Not Applicable Greenfield Project.**~~
~~Details of earlier EC obtained for the project~~ ~~**Not Applicable Greenfield Project.**~~</td></tr>
</table>

	~~Amendment project~~	~~Compliance of the earlier EC~~	~~**Not Applicable Greenfield Project.**~~	
		~~Status of construction completed on site~~	~~Built up area constructed:~~	~~**Not Applicable Greenfield Project.**~~
			~~No. of blocks and floors constructed:~~	~~**Not Applicable Greenfield Project.**~~
		~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~	~~Name of the Authority~~	~~**Not Applicable Greenfield Project.**~~
			~~Date of order~~	~~**Not Applicable Greenfield Project.**~~
			~~Builtup area granted~~	~~**Not Applicable Greenfield Project.**~~
		~~Documentary proof submitted for supporting the expansion of the project.~~	~~Availability of Additional FSI, TDR, Revision in GDCR etc~~ ~~**Not Applicable Greenfield Project.**~~	
13.	~~In case of Expansion / Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~ ~~Condition No.~~ / ~~Details as per EC Granted~~ / ~~Details require by the PP~~ ~~NOT APPLICABLE, **GREENFIELD PROJECT.**~~		
14. C	Building Details	No. of Buildings:	7 Nos.	
		No. of Blocks:	7 Nos.	
		Scope of buildings/blocks:	Total Building: 7 Nos. **A Building:** 2 level Basement + G.F. + 72 nos. – 3 BHK (1st to 18th Floor) 4 Nos. – 3 BHK (19th Floor) 4 Nos. – 4 BHK [(Penthouse (20th to 21st Floor)] **B Building:** 2 level Basement + G.F + 72 Nos. – 2 BHK (1st to 18th Floor) 4 Nos. – 2 BHK (19th Floor) 4 Nos. – 3 BHK [(Penthouse (20th to 21st Floor)] **C Building:** 2 level Basement + G.F. + 72 Nos. **–** 2 BHK (1st to 18th Floor) 4 Nos. – 2 BHK (19th Floor)	

			4 Nos. – 3 BHK [(Penthouse (20th to 21st Floor)] **D Building:** 2 level Basement + G.F. + 2 Nos. **–** 3 BHK (1st Floor) 68 Nos. **–** 3 BHK (2nd to 18th Floor) 4 Nos. – 3 BHK (19th Floor) 4 Nos. – 4 BHK [(Penthouse (20th to 21st Floor)] **E Building:** 2 level Basement + G.F. + 2 Nos. – 3 BHK (1st Floor) 68 Nos. – 3 BHK (2nd to 18th Floor) 4 Nos. – 3 BHK (19th Floor) 4 Nos. – 4 BHK [(Penthouse (20th to 21st Floor)] **F Building:** 2 level Basement + G.F. + 2 Nos. **–** 2 BHK (1st Floor) 68 Nos. **–** 2 BHK (2nd to 18th Floor) 4 Nos. – 2 BHK (19th Floor) 4 Nos. – 3 BHK [(Penthouse (20th to 21st Floor)] **G Building:** 2 level Basement + G.F. + 2 Nos. **–** 3 BHK (1st Floor) 68 Nos. **–** 3 BHK (2nd to 18th Floor) 4 Nos. – 3 BHK (19th Floor) 4 Nos. – 4 BHK [(Penthouse (20th to 21st Floor)]	
			No. & size of Residential Units:	**226 Nos**.: 2 – BHK **298 Nos.:** 3 – BHK **12 Nos.:** 3 – BHK (Penthouse) **16 Nos.:** 4-BHK (Penthouse) **Total Nos. 552 Nos. (524 Nos. Flat & 28 Nos. Penthouse)**
			No. & type of Commercial Units:	--
			Details of amenities if any:	--

<table>
<tr><td>15.</td><td>No. of expected residents / users/</td><td>Residents: 2054 Nos.
Visitors: 1200 Nos.</td></tr>
<tr><td>16.</td><td>Water & waste water details during construction phase and operation phase</td><td>
<table>
<tr><td colspan="2">CONSTRUCTION PHASE</td></tr>
<tr><td>Water requirement (KL/day):</td><td>Domestic: 60 Workers x 0.05 KLD/Person
= 3 KLD.
Construction, Sprinkling & Curing: 9 KLD.
Equipment Washing: 1 KLD
Total water Requirement = 13 KLD</td></tr>
<tr><td>Source of water/Supply from-</td><td>Water supply from Tankers</td></tr>
<tr><td>CGWA Permission details (if applicable)</td><td>Water Supply source is Tanker during construction phase. Hence, CGWA permission is not applicable.</td></tr>
<tr><td>Wastewater generation quantity (KL/day):</td><td>Domestic: 3 KLD X 0.8 % = 2.4 KLD
Equipment Washing = 1 KLD
Total wastewater generation= 3.4 KLD</td></tr>
<tr><td>Mode of disposal:</td><td>Disposal into soak pit/septic tank</td></tr>
<tr><td>Details of reuse of water, if any:</td><td>Reuse water
Requirement = 1.0 KLD.</td></tr>
<tr><td colspan="2">OPERATION PHASE</td></tr>
<tr><td>Total water Consumption (KL/day):</td><td>
• Domestic:
<table>
<tr><th>Details</th><th>No. of Persons</th><th>Criteria (KLD/ Person)</th><th>Total (KLD)</th></tr>
<tr><td>Resident</td><td>2054</td><td>0.09</td><td>185</td></tr>
<tr><td>Visitor</td><td>1200</td><td>0.005</td><td>6</td></tr>
<tr><td colspan="3">Total Domestic Water Requirement</td><td>191</td></tr>
</table>
• Flushing
<table>
<tr><th>Details</th><th>No. of Persons</th><th>Criteria (KLD/ Person)</th><th>Total (KLD)</th></tr>
<tr><td>Resident</td><td>2054</td><td>0.045</td><td>92</td></tr>
<tr><td>Visitor</td><td>1200</td><td>0.01</td><td>12</td></tr>
<tr><td colspan="3">Total Flushing Water Requirement</td><td>104</td></tr>
</table>
• Gardening: 0.003 KL/sq. m x 2101.96 sq. m = 6.3 KLD
</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td>• Vehicle washing: 5.7 KLD.
• Total water requirement: 307.0 KLD.</td></tr>
<tr><td>Fresh water requirement (KL/day):</td><td>191.0 KLD</td></tr>
<tr><td>Recycle of treated w/w, KL</td><td>Non- Monsoon Period
<table>
<tr><td>1.</td><td>Gardening</td><td>6.3 KLD</td></tr>
<tr><td>2.</td><td>Flushing</td><td>104.0 KLD</td></tr>
<tr><td>3.</td><td>Vehicle Washing</td><td>5.7 KLD</td></tr>
<tr><td colspan="2">Total</td><td>116.0 KLD</td></tr>
</table>
Monsoon Period
<table>
<tr><td>1.</td><td>Flushing</td><td>104.0 KLD</td></tr>
<tr><td>2.</td><td>Vehicle Washing</td><td>5.7 KLD</td></tr>
<tr><td colspan="2">Total</td><td>109.7 KLD</td></tr>
</table></td></tr>
<tr><td>A. Gardening area, m2</td><td>6.3 KLD (2101.96 m2)</td></tr>
<tr><td>B. Flushing</td><td>104.0 KLD</td></tr>
<tr><td>C. Sprinklers (Nos in premises, with pipeline details)</td><td>Sprinklers: 1485 Nos.
Size of Sprinkler pipeline:1.5 to 2.0 inch</td></tr>
<tr><td>D. Storage tank details for storage of treated domestic waste water in premises</td><td>Treated Domestic Wastewater Storage Tank Capacity: 11 x 10 x (3.0 LD + 0.50 FB)</td></tr>
<tr><td>Source of water:</td><td>Water supply from Surat Municipal Corporation</td></tr>
<tr><td>Total Waste water generation quantity (KL/day):</td><td>Domestic: 191 KLD X 0.8 % = 155.0 KLD
Flushing: = 104.0 KLD
Total Wastewater Generation: 259.0 KLD.</td></tr>
<tr><td>Treated Waste water to be reused</td><td>Non- Monsoon Period
<table>
<tr><td>1.</td><td>Gardening</td><td>6.3 KLD</td></tr>
<tr><td>2.</td><td>Flushing</td><td>104.0 KLD</td></tr>
<tr><td>3.</td><td>Vehicle Washing</td><td>5.7 KLD</td></tr>
<tr><td colspan="2">Total</td><td>116.0 KLD</td></tr>
</table>
Monsoon Period
<table>
<tr><td>1.</td><td>Flushing</td><td>104.0 KLD</td></tr>
<tr><td>2.</td><td>Vehicle Washing</td><td>5.7 KLD</td></tr>
<tr><td colspan="2">Total</td><td>109.7 KLD</td></tr>
</table></td></tr>
</table>

		Quantity and type (treated/untreated) of water to be discharged:	During **Non-monsoon season 139.0 KLD** treated water will be discharged through U/g drainage of Surat Municipal Corporation. During **Monsoon season 145.3 KLD** treated water will be discharged through U/g drainage of Surat Municipal Corporation.
		In case of STP provision, capacity of STP:	Yes, 300 KLD
		STP Technology:	**MBBR** Type
		Provision of dual plumbing system (Yes/No):	Yes
17.	Status of water supply and drainage line and its permission / acknowledgement details	• We have applied for water supply and drainage line permission/ acknowledgement at Surat Municipal Corporation, Dated: 06.07.2023	
18.	Solid waste Management	**Construction Phase**:	

	Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
Top Soil	1412	1412	Landscaping development.
Other excavated earth	35166	17583	Levelling of the site, internal roads, etc.
Construction debris	4050	-	Will be used for internal road development.
Steel scrap	475	-	Will be Sold to scrap dealer
Discarded packing materials	300	-	Will be Sold to vendor.
Others			

Operation Phase:

Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
Dry waste	442	Will be collected in bins	Solid waste will be suitably disposed off through door-to-door waste collection.
Wet waste	663	Will be collected in bins	Organic waste converter (2 No. 500 kg/day) will be used to convert bio-Degradable waste into manure.
STP Sludge	143	Sludge Storage Area	STP Sludge will be used as organic manure in gardening & greenbelt development
Details of segregation if to be done:		No	
Capacity and no. of community bins to be placed within premises:		25 Nos. of 50 kg each.	
Landfill site where waste will be ultimately disposed by local authority:		At the nearby waste collection point of Surat Municipal Corporation.	

19. Details on staircase:

Type & no. of Building	No. of Floor	Area for each Floor (m^2)	No. of Stair case	Width of the stair case (m)	Total No of Lifts	No. of Fire Lift	Maximum Travel Distance up to the Staircase (m) (< 30 m)
A	Basement+ G.F. to 21st Floor	1st to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	18.65
B	Basement+ G.F. to 21st Floor	1st to 18th Floor: 342.02 19th Floor: 346.15 20th Floor: 291.77	2	2.0 m	3	1	16.10

					21th Floor: 267.35						
			C	Basement+ G.F. to 21st Floor	1st to 18th Floor: 342.02 19th Floor: 346.15 20th Floor: 291.77 21th Floor: 267.35	2	2.0 m	3	1	16.10	
			D	Basement+ G.F. to 21st Floor	G.F.: 89.13 1st Floor: 238.96 2nd to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	19.50	
			E	Basement+ G.F. to 21st Floor	1st Floor: 237.35 2nd to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	19.50	
			F	Basement+ G.F. to 21st Floor	1st Floor: 171.12 2nd to 18th Floor: 342.02 19th Floor: 346.15 20th Floor: 291.77 21th Floor: 267.35	2	2.0 m	3	1	17.10	
			G	Basement+ G.F. to 21st Floor	1st Floor: 237.35 2nd to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	19.50	

20.	Parking Details	As below:	Sq. mtrs.	CPS
	Total parking area requirement for the project as per GDCR:		11,837.60	--
	Parking area requirement for residential units as per GDCR:		11,837.60	--
	Parking area requirement for commercial units as per GDCR:		NA	--
	Parking area requirement as per GDCR for (specify in case of any other):		NA	NA
	Total number of CPS requirement for the project as per NBC		--	552
	Total parking area provided (m^2) & No. of CPS:		24,944.12 (Residence : 23,694.12 sq. m. +	804

			Visitor: 1,250.0 sq. m.)	
	Parking area provided in basement (m^2) & No. of CPS:		21,255.78	664
	Parking area provided in hollow plinth (m^2) & No. of CPS:		2604.80	93
	Parking area provided as open surface (m^2) & No. of CPS:		1083.54	47
	Number of Visitor parking provided in the project (No. of CPS):		1,250.0	45
21.	Traffic Management	Width of adjacent public roads:	12.19 m wide road in South & 18.20 m in West Direction	
		Number of Entry & Exit provided on approach road/s:	2 Entry & 1 Exit	
		Number of Entry and Exit ramp to the basement:	1 Entry & 1 Exit ramp to the basement	
		Width of Entry & Exit provided on approach road/s:	Entry (2 NOS.): 6.0 m Exit (1 NOS.): 6.0 m	
		Width of the Roads:	Permissible	Proposed
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	6.0 m	6.0 m
		Width of all internal roads:	6.0 m	6.0 m
22.	Details of Green Building measures proposed.	Wall panel fabrics with recycled content, low-VOC emitting and refurbished or bio-harvested renewable material content for flooring, local exhaust ventilation to areas where indoor air pollutant build-up could be a problem, dedicated exhaust systems in identified areas, built-in entry way mats with drop pans and adequate drains to catch dirt of shoes, on-site rainwater recharging systems for storm water control and non-potable water uses, green belt development (14.2 % of total plot area)		
23.	Energy Requirement, Source and Conservation	Power supply:	DGVCL	
		Maximum demand: Connected load: Source:	2866 KWH 3427 KWH DGVCL (Dakshin Gujarat Vij Company Limited)	
		Energy saving measures:	T5/T8 and CFL/LED lighting fixtures for internal common area lighting, maximum use of natural lighting through architectural design for the building & adequate window size.	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	172 KW	210 KW
		No. of solar panels	344	420

			Capacity of each Solar cell	344 panels with the capacity of 500 W.	420 panels with the capacity of 500 W.
			Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	147 KW
				Total Solar Power Utilization for Water Pump	21 KW
				Total Solar Power Utilization for Electric Vehicles Charging Station	21 KW
				Other usage	21 KW
			DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	2 x 600 KVA Diesel, 300 lit/hr in case of emergency only.	2 x 600 KVA Diesel, 300 lit/hr in case of emergency only.
	24.	Electric vehicle charging provision	Total no. of EV Charging points provided	70 Nos.	
			Parking area designated for EV Charging parking.	Ground area will be having EV Charging Points. Electric charging stations will be provided for 110 nos. cars & 221 nos. two-wheeler.	
			Total proposed EV charging capacity	35 charging points of 35 kW capacity for 4 wheelers and 35 charging points of 3 kW capacity for 2 wheelers.	
			Total power requirement to charge Electric Vehicle in kWh/day	581 KWH	
			Availability of power	*Out of 581 KWH/day of power requirement for Charging of Electric Vehicles, 21 kWh/day will be utilized from solar power generation and remaining 560 KWH/day will be utilized from source of power supply*	
	25.	Fire and Life Safety Measures	**During the construction phase**:		
			Fall Protection	Falling nets, safety beds will be provided.	
			Foot Protection	Safety shoes will be provided.	

			Head Protection	Helmets will be provided.	
			Noise Protection	Earmuffs & Earplugs will be provided to the workers.	
			Eye Protection	Safety goggles, face shields will be provided.	
			Ladders and Stairs	Single Pole Ladders, Extension Ladders & Step Ladders will be used.	
			Scaffolds	Jack type double scaffolding (MS)	
			Access to Scaffolds	Fixed ladder, Internal access stairway or built in ladder to access the working platform.	
			Trenching and Excavation	Barricades, Guards will be provided during Trenching and Excavation activities.	
			Electrical Safety	Electrical gloves and footwear will be provided while handling electrical materials.	
			Cranes	Begin hoisting only if nobody is nearby. Ensure there are no obstructions to load movement. Pad sharp edges on the load to avoid rigging damage. Latches on hooks/hoists, and emergency disconnects, are in place and tested periodically. Load Testing Through Approved Agency Periodically.	
			Occupational Noise Exposure	Earmuffs & Earplugs will be provided to the workers.	
			Welding and cutting	Goggles, helmets, hand shields, or other suitable eye protection having the proper lens shade will be provided.	
			Registration of Establishment under the Building and other construction workers (regulation of employment & conditions of services) Act 1996	We will be obtained certificate of registration for the establishment under the building and other Construction Worker's (regulations of Employment and Conditions of Service) Act, 1996 after getting Environmental Clearance (EC) from SEIAA during construction phase.	
			Others	--	
			During the operation phase"	Fire safety measures	• Fire Extinguishers • Hose Reel • Wet Riser • Automatic Sprinkler System@ Basement • Manually Operated Electrical Fire Alarm System

				• Underground fire Water tank • Terrace tank • Refuge Area • Smoke detector • CO censer Jet fans
			Capacity of Underground fire water tank	100 KL * 7 Nos
			Capacity of Overhead fire water tank	25 KL * 7 Nos.
		Status of fire opinion obtained for the project, submit details	We have applied to obtain Fire opinion at Fire & safety services, Headquarters, Surat Municipal Corporation.	
		Nearest fire station, distance & time required for the fire tender to reach at the project site:	**Morabhagal Fire Station,** is approximate 2.16 Km travel distance from the project site which takes 10-15 minutes to reach the site.	
26.	Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre-Monsoon: 15 – 20 m bgl Post-Monsoon: 5 -10 m bgl	
		RWH/Percolation well details:	Required	Provided
		No. of RWH tank(s)	--	--
		Dimensions of RWH tank(s):	--	--
		No. of percolations wells:		4 Nos.
		Depth of percolations wells:	The site shall be divided into pockets varying from 4000 m^2 of site. The net plot area is **14797.00 m^2**. The site will be divided into **4** pockets varying from 4000 m^2 with the depth of 40-45 meters.	• Size of pit: 4m x 3m x 3m. • Size of Bore: 350 mm dia. • Size of Pipe: 150 mm dia. Depth: 45 meters
		Details on Pre-treatment facilities	--	Sand Filter will be used to remove suspended pollutants from the rainwater. After filtration, water will be recharged using percolation pit,

				filled with pebbles or brick and river sand and covered with perforated concrete slabs. Depth of recharge pit will be designed according to water table of the area.
27.	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2):	Building unit having area of more than 500 sq.mt shall be provided with minimum five trees for every 200 sq. mt. area Hence, required area = 1480 sq. m.	1481.29 sq. m.
		Area covered by shrubs and bushes (m^2):	--	--
28.		Lawn covered area (m^2):	--	620.67 sq. m.
29.		Total Green Area (m^2):	1480 sq. m.	**2101.96** sq. m.
		No. of trees and species to be planted:	As per CGDCR 370 No. of trees for 1480 m2 area.	370 No. of trees for 1481.29 m2 area.
30.	Basic amenities to be provided to construction workers.	Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc.		
31.	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**	
		Air	• Reduced vehicular speed will also avoid the air borne fugitive emission on the unpaved areas. • Fugitive dust shall be prevented by water spraying and screening the construction site with the help of tarpaulin.	

				• PUC certified vehicles will be used during construction as well as post construction phase. • Shade giving trees will be planted, which will modify air cooling in summer, thus reducing the heat island effects.	
			Noise Control	• Acoustic enclosure/ Temporary barrier will be provided in high noise areas. • Construction machinery and vehicles will undergo periodic maintenance to keep them in good working condition. • The construction workers working in high noise area will be proved PPEs like earmuffs and made to wear them during working hours. • Necessary acoustic enclosures will be provided for D.G. set to mitigate the impact of noise. • Tree plantation will be developed at all possible places.	
			Water	• Monsoon season would be avoided for construction activity. • Generated Sewage will be treated in proposed STP within premises.	
			Solid and hazardous waste management	Cleaning all mud and dirt deposited on roads from construction-related activities.	
			Environment monitoring	We will provide 0.6 Lacs for environment monitoring.	
			Rain water	We will provide 4 nos. percolating wells within project site to recharge ground water aquifer	
			Green belt	Total 2101.96 sq. m. area (Tree Covered Area =1481.29 & Lawn Area= 620.67) (14.2%) will be developed as green belt	
			Solar Energy	Facility of roof top solar will be provided & approx. 210 KW solar power will be use.	
			Fire & Safety	• Fire Fighting Equipments like Fire Extinguishers, Hose Reel, Wet Riser, Automatic Sprinkler System@ Basement, Manually Operated Electrical Fire Alarm System, Underground fire Water tank, Terrace tank, Refuge Area will be provided. Safety Equipment and PPE's will be provided to workers during Construction Phase.	

			CER	1. **Solar Energy Utilization Roof top solar system** Installation of total Roof Top Solar System in Kosam Village @ Rs. 35000 /1 kw & Primary School, Post Office, Aaganwadi, Healthcare Centre & Sarpanch office at Kosam village, Jothan village @ Rs. 60,000/1 KW (1ST Year Fund Allocation: 109 Lakhs + 2nd Year Fund Allocation: 109 Lakhs) (Total Fund Allocation: 218 Lakhs) 2. **Rainwater Recharge System** Rainwater Recharge System providing in Village 5 lakh per system @ Kosam village (4 Nos.) & Barbodhan Village (4 Nos.). (1ST Year Fund Allocation: 20 Lakhs + 2nd Year Fund Allocation: 20 Lakhs) (Total Fund Allocation: 40 Lakhs) 3.**Solid Waste Management Facilities** (Distribution of green bins & blue bins as per solid waste management rules,2016) & composter (6 Nos. – 500 kg/day) @ 8 lakh/Composter @ Bharthana, Bhimrad, Devadh Village (1ST Year Fund Allocation: 25.0 Lakhs + 2nd Year Fund Allocation: 25.0 Lakhs) (Total Fund Allocation: 50.0 Lakhs) 4. **Green belt development** Environment plantation on the approach road to the premises and outside: Road side plantation in Kosam & Jothan village area: cost of 1 plant – 1500/- with maintenance of water. Proposes for green cover installation of tree guards at the surviving plants & trees. (1ST Year Fund Allocation: 15 Lakhs + 2nd Year Fund Allocation: 15 Lakhs) (Total Fund Allocation: 30 Lakhs) 5. **Pond Reclamation Activity @ Sonsak Pond (Nr. Sonsak Village) and Sarasana Lake (Nr. Sarsana village)** (1ST Year Fund Allocation: 25 Lakhs + 2nd Year Fund Allocation: 25 Lakhs) (Total Fund Allocation: 50 Lakhs)	

		Amenities/ Occupational health center.	• We will provide adequate common facilities like sanitation facilities, Drinking. water facility & First-aid Facilities. • PPEs and proper training on construction safety aspects will be given to workers. We will be obtained certificate of registration for the establishment under the building and other Construction Worker's (regulations of Employment and Conditions of Service) Act, 1996 after getting Environmental Clearance (EC) from SEIAA during construction phase.

32. Budgetery provision of Environment Management plan

Sr. No	Head	Basis for cost estimates	Total Capital cost (Rs. In lacs) (Construction and operation phase)	Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)	Implementation Plan For Capital Expenditure
1	Air	Dust Mitigation Measures i.e. continuously water spraying at the project site, cover project site with tarpaulin, reduced vehicular speed on the unpaved areas, etc	1	0.2	**Will be implemented after getting EC.**
		Stack and DG room, its capacity	2	0.2	
2	Noise Control	Acoustic enclosure/ Temporary barrier will be provided in high noise areas. Construction machinery and vehicles will undergo periodic maintenance to keep them in good working condition.	2	0.5	

					The construction workers working in high noise area will be proved PPEs like earmuffs and made to wear them during working hours. Necessary acoustic enclosures will be provided for D.G. set to mitigate the impact of noise. Tree plantation will be developed at all possible places.					
			3	Water	300 KLD – MBBR Type STP, Area – 400 Sq. m.,	85	3			
			4	Solid and hazardous waste management	2 Nos. of 500 Kg/Day – Automatic OWC – 115.0 Sq.m.	10	1			
			5	Environment monitoring	The recurring cost would be incurred on hiring of consult-ants and payment of various statutory fees to regulatory agencies.	--	0.6			
			6	Rainwater	Collection system, treatment and recharge well - 4 nos. P. W.C.	4	0.3			
			7	Green belt	370 nos. Trees and Lawn Area Development	2.5	0.2			
			8	Solar Energy	Roof Top Solar – 210 KW; Terrace Space – 2523.79 Sq.m.	126	2.1			
			9	Fire & Occupational Health and Safety	Provide Fire Fighting Systems as per Fire Opinion from SMC and Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.	143.5	5			

			10	CER	**Solar Energy Utilization Roof top solar system** Installation of total Roof Top Solar System in Kosam and Jothan Village @ Rs. 35000 /1 kw & Primary School, Post Office, Aaganwadi, Healthcare Centre & Sarpanch office at Kosam village, Jothan village @ Rs. 60,000/1 KW (1ST Year Fund Allocation: 109 Lakhs + 2nd Year Fund Allocation: 109 Lakhs) (Total Fund Allocation: 218 Lakhs) **Rainwater Recharge System** Rainwater Recharge System providing in Village 5 lakh per system @ Kosam village & Barbodhan Village. (1ST Year Fund Allocation: 20 Lakhs + 2nd Year Fund Allocation: 20 Lakhs) (Total Fund Allocation: 40 Lakhs) **Solid Waste Management Facilities** Composter (6 Nos. – 500 kg/day) @ 8 lakh/Composter @ Bharthana, Bhimrad, Devadh Village (1ST Year Fund Allocation: 25.0 Lakhs + 2nd Year Fund Allocation: 25.0 Lakhs) (Total Fund Allocation: 50.0 Lakhs	388	5			

				Green belt development Environment plantation on the approach road to the premises and outside: Road side plantation in Kosam & Jothan village area: cost of 1 plant – 1500/- with maintenance of water. Proposes for green cover installation of tree guards at the surviving plants & trees. (1ST Year Fund Allocation: 15 Lakhs + 2nd Year Fund Allocation: 15 Lakhs) (Total Fund Allocation: 30 Lakhs)			
				Pond Reclamation Activity @ Sonsak Pond (Nr. Sonsak Village) and Sarasana Lake (Nr. Sarsana village) (1ST Year Fund Allocation: 25 Lakhs + 2nd Year Fund Allocation: 25 Lakhs) (Total Fund Allocation: 50 Lakhs)			
		11	Amenities/ Occupational health Safety center	Providing of amenities facility for worker	5	0.5	
		Total			**769**	**18.6**	

- Committee deliberated on the following:

  - ✓ PP was asked to submit Authority letter from all other land Owners.
  - ✓ PP replied vide their email dated 27-10-2023 has submitted the same.

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on 08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 7 nos of buildings [2 Basement + Ground floor + 21 Floors].
3. The height of the building shall not be higher than 69.97 mts.
4. The Peripheral margin shall be 6 mts and Internal roads shall be 6 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 13 KLD and it shall be met through Tankers. No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through soak pit/septic tank.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.

12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 307 KLD, out of which fresh water requirement of 191 KLD shall be met through SMC and the remaining 116 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 259 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of SMC.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 4 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (2 X 600 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.

23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the SMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.

26. Firefighting facilities like Fire Extinguishers, Hose Reel, Wet Riser, Automatic Sprinkler System@ Basement, Manually Operated Electrical Fire Alarm System, Underground fire Water tank, Terrace tank Refuge Area, Smoke detector, CO censer, Jet fans,7 terrace water tanks of 25 KL capacity each , 7 underground water tank of 100 KL each , etc shall be provided.

27. Staircase shall be provided:

Type & no. of Building	No. of Floor	Area for each Floor (m^2)	No. of Staircase	Width of the staircase (m)	Total No of Lifts	No. of Fire Lift	Maximum Travel Distance up to the Staircase (m) (< 30 m)
A	Basement+ G.F. to 21st Floor	1st to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	18.65
B	Basement+ G.F. to 21st Floor	1st to 18th Floor: 342.02 19th Floor: 346.15 20th Floor: 291.77 21th Floor: 267.35	2	2.0 m	3	1	16.10
C	Basement+ G.F. to 21st Floor	1st to 18th Floor: 342.02 19th Floor: 346.15 20th Floor: 291.77 21th Floor: 267.35	2	2.0 m	3	1	16.10

D	Basement+ G.F. to 21st Floor	G.F.: 89.13 1st Floor: 238.96 2nd to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	19.50
E	Basement+ G.F. to 21st Floor	1st Floor: 237.35 2nd to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	19.50
F	Basement+ G.F. to 21st Floor	1st Floor: 171.12 2nd to 18th Floor: 342.02 19th Floor: 346.15 20th Floor: 291.77 21th Floor: 267.35	2	2.0 m	3	1	17.10
G	Basement+ G.F. to 21st Floor	1st Floor: 237.35 2nd to 18th Floor: 474.18 19th Floor: 476.36 20th Floor: 426.96 21th Floor: 259.88	2	2.0 m	3	1	19.50

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 24,944.12 m^2 (804 CPS) [21,255.78 m^2 in Basement + 2604.80 m^2 in Hollow Plinth + 1083.54 m^2 in open area] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 210 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 2101.96 m2 comprising of 1481.29 m2 tree covered area with 370 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 769 Lakhs and Recurring cost of Rs 18.6 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 393 Lakhs as committed before SEAC for activities like Solar Energy Utilization Roof top solar system - Installation of total Roof Top Solar System in Kosam and Jothan Village @ Rs. 35000 /1 kw & Primary School, Post Office, Aaganwadi, Healthcare Centre & Sarpanch office at Kosam village, Jothan village @ Rs. 60,000/1 KW (1ST Year Fund Allocation: 109 Lakhs + 2nd Year Fund Allocation: 109 Lakhs) (Total Fund Allocation: 218 Lakhs). Rainwater Recharge System- Rainwater Recharge System providing in Village 5 lakh per system @ Kosam village & Barbodhan Village.(1ST Year Fund Allocation: 20 Lakhs + 2nd Year Fund Allocation: 20 Lakhs) (Total Fund Allocation: 40 Lakhs. Solid Waste Management Facilities - Composter (6 Nos. – 500 kg/day) @ 8 lakh/Composter @ Bharthana, Bhimrad, Devadh Village (1ST Year Fund Allocation: 25.0 Lakhs + 2nd Year Fund Allocation: 25.0 Lakhs) (Total Fund Allocation: 50.0 Lakhs. Green belt development- Environment plantation on the approach road to the premises and outside: Road side plantation in Kosam & Jothan village area: cost of 1 plant – 1500/- with maintenance of water. Proposes for green cover installation of tree guards at the surviving plants & trees. (1ST Year Fund Allocation: 15 Lakhs + 2nd Year Fund Allocation: 15 Lakhs) (Total Fund Allocation: 30 Lakhs. Pond Reclamation Activity @ Sonsak Pond (Nr. Sonsak Village) and Sarasana Lake (Nr. Sarsana village) (1ST Year Fund Allocation: 25 Lakhs + 2nd Year Fund Allocation: 25 Lakhs) (Total Fund Allocation: 50 Lakhs)

39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

6	SIA/GJ/INFRA2/441386/2023	**Sakar Prime** **F.P. No. 96/1, O.P. No. 96/1, T.P.S. No. 409/B (Zundal), R.S. No. 454, Moje: Zundal, Ta: Gandhinagar, Dist: Gandhinagar**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/441386/2023 dated: 01/09/2023.
- This is a proposed Residential cum commercial building construction project having net plot area of 5199.00 m2, FSI area of 18413.07 m2 and the proposed built-up area of the project is 33964.91 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New~~/Expansion/Ammendment~~
1.2. Proposal no.	SIA/GJ/INFRA2/441386/2023
1.3. Category of Project:	8(a)
1.4. Date of application accepted by SEAC:	01/09/2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1, Form-1A, Conceptual plan, EMP, NA Permissions, Airport NOC, Fire fighting opinion etc.
1.6. TOR No. & Date:	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant:	Mrs Khyati Patel
1.8. SEAC Meeting No. and Date:	708th meeting of the SEAC to be held on 16th October 2023
1.9. ADS vide letter dated:	Not Applicable
1.10. Reply Submitted by PP on portal dated:	Not Applicable
1.11. Revised Consideration SEAC Meeting No. and Date:	Not Applicable

2. Salient features of the project:

Sr No	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/441386/2023
2.	Name of the project	Sakar Prime
3.	Address of the Site	F.P. No. 96/1, O.P. No. 96/1, T.P.S. No. 409/B (Zundal), R.S. No. 454, Moje: Zundal, Ta: Gandhinagar, Dist: Gandhinagar
4.	Name of Developer	Satva and Sakar Project
5.	Estimated Project Cost (Rs. In Crores)	Rs. 44.0 Crore
6.	Whether construction work has been initiated at site? If yes, details thereof And if No, Date up to which construction has not started.	No, construction has not started. --
7.	Details of Undertaking stating current	Attached as Annexure-15.

<table>
<tr><td></td><td>status of construction at site.</td><td></td></tr>
<tr><td>8.</td><td>Whether NA permissions of all survey Nos have been obtained, details there of</td><td>Yes obtained, attached as Annexure-11 in land documents.</td></tr>
<tr><td>9.</td><td>Site coordinates</td><td>(with all coordinates of the polygon)
<table>
<tr><td>A</td><td>23° 8'27.39"N</td><td>72°34'11.66"E</td></tr>
<tr><td>B</td><td>23° 8'29.80"N</td><td>72°34'12.73"E</td></tr>
<tr><td>C</td><td>23° 8'29.85"N</td><td>72°34'13.58"E</td></tr>
<tr><td>D</td><td>23° 8'27.10"N</td><td>72°34'14.07"E</td></tr>
<tr><td>E</td><td>23° 8'29.69"N</td><td>72°34'14.64"E</td></tr>
</table></td></tr>
<tr><td>10</td><td>Project Details</td><td>• Land / Plot Area (m^2): 5199.00
• FSI area (m^2): 18413.07
• Total BUA (m^2): 33964.91
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area(m^2)</td><td>18415.77</td><td>18413.07</td></tr>
<tr><td>Ground Coverage(m^2)</td><td>-</td><td>1707.57</td></tr>
<tr><td>Common Plot Area(m^2)</td><td>519.90</td><td>534.55</td></tr>
<tr><td>Max. building height(m)</td><td>55.0 (from GF)</td><td>44.94 m (from GF)</td></tr>
</table></td></tr>
<tr><td>11</td><td>Airport NOC</td><td>Order no. 747710, Dated: 30/03/2023</td></tr>
<tr><td>12</td><td>~~In case of Expansion project/ Amendment project~~</td><td>
<table>
<tr><td>~~Reason of the Expansion~~</td><td>~~--~~</td><td></td></tr>
<tr><td>~~Details of earlier EC obtained for the project~~</td><td colspan="2">~~SEIAA/GUJ/EC/8(a)/..../.... Dated:.....~~</td></tr>
<tr><td>~~Compliance of the earlier EC~~</td><td colspan="2">~~Submitted /Not submitted~~</td></tr>
<tr><td rowspan="2">~~Status of construction completed on site~~</td><td>~~Built up area constructed:~~</td><td></td></tr>
<tr><td>~~No. of blocks and floors constructed:~~</td><td></td></tr>
<tr><td rowspan="3">~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~</td><td>~~Name of the Authority~~</td><td></td></tr>
<tr><td>~~Date of order~~</td><td></td></tr>
<tr><td>~~Built-up area granted~~</td><td></td></tr>
</table></td></tr>
</table>

		~~Documentary proof submitted for supporting the expansion of the project.~~	~~Availability of Additional FSI, TDR, Revision in GDCR etc~~

13 ~~In case of Expansion/ Amendment~~

~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~

~~Condition No.~~	~~Details as per EC Granted~~	~~Details require by the PP~~

14 Building Details

No. of Buildings:	1
No. of Blocks:	4
Scope of buildings/blocks:	2 Cellar + G.F + 14th floor
No. & size of Residential Units:	190
No. & type of Commercial Units:	29
Details of amenities if any:	NA

15 No. of expected residents / users

760 residential, 136 commercial
Visitors: --

16 Water & waste water details during construction phase and operation phase

CONSTRUCTION PHASE	
Water requirement (KL/day):	50 No of persons expected x 45 KLD/Person =2.25 KLD
Source of water/Supply from:	Water supply from Tanker
CGWA Permission details (if applicable)	NA
Waste water generation quantity (KL/day):	2.25 KLD X 80%= 1.8 KLD
Mode of disposal:	Soak Pit via Septic Tank
Details of reuse of water, if any:	--
OPERATION PHASE	
Total water requirement (KL/day):	112.7 (135 lpcd for Residential, 45 lpcd for Commercial)
Fresh water requirement (KL/day):	72.9
Recycle of treated w/w (KL/day):	39.9
A. Gardening area, m2	4.0
B. Flushing	35.9
C. Sprinklers (Nos in premises, with pipeline details)	--
D. Storage tank details for storage of treated domestic waste water in premises	20 KL
Source of water:	Water supply from GMC
Total Waste water generation quantity (KL/day):	92.4

		Treated waste water to be reused (KL/day):	39.9
		Quantity and type (treated/untreated) of water to be discharged:	52.6 KLD, Treated water will be discharged through drainage line of GMC
		In case of STP provision, capacity of STP:	Yes, 105 KLD
		STP Technology:	ASP Technology
		Provision of dual plumbing system (Yes/No):	Yes

17	Status of water supply and drainage line	Project belongs to GMC and they will provide water supply line and drainage line after issue of building use permission.

18 Solid waste Management

Construction Phase:

	Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
Top Soil	2076	2079	Will be reused for gardening & greenbelt development
Other excavated earth	34833	34833	Will be use within premises as building material & back filling/Remaining will be send to other project sites for filling of low-lying areas
Construction debris	450 Tone	300 Tone	Will be reused within premises and balance quantity will be disposed as per C&D waste rules 2016.
Steel scrap	whatsoever	--	Will be sold to local scrap vendors
Discarded packing materials	whatsoever	--	Will be sold to local recyclers
Others			

Operation Phase:

Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse

		Dry waste	166	Blue Bins	To waste collectors
		Wet waste	248	Green Bins	OWC
		STP Sludge	10.5	Dry Manure	used in site premises and remaining Sold to nursery / farmer
		Details of segregation if to be done:		Separate bins will be provided to collect dry and wet waste	
		Capacity and no. of community bins to be placed within premises:		28 Nos. of bin of 80 litre capacity	
		Landfill site where waste will be ultimately disposed by local authority:		at nearest waste collection point of GMC	

19 Details on staircase:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of Fire Lift	Travel distance (m)
Block A to D	2B+GF+14	1256.13	4	2.00	8	4	18.69<25

20 Parking Details — As below:

	Sq. mtrs.	CPS
Total parking area requirement for the project as per GDCR:	4091.75	--
Parking area requirement for residential units as per GDCR:	3409.86	--
Parking area requirement for commercial units as per GDCR:	681.89	--
Parking area requirement as per GDCR for (specify in case of any other):	--	--
Total number of CPS requirement for the project as per NBC	--	122
Total parking area provided (m^2) & No. of CPS:	6821.01	243
Parking area provided in basement 1 (m^2) & No. of CPS:	3057.11	119
Parking area provided in basement 2 (m^2) & No. of CPS:	3161.84	99
Parking area provided in hollow plinth (m^2) & No. of CPS:	205.20	7
Parking area provided as open surface (m^2) & No. of CPS:	396.86	17
Number of Visitor parking provided in the project (No. of CPS):	484.41	17

21 Traffic Management

Width of adjacent public roads:	30.0 & 36.0 m	
Number of Entry & Exit provided on approach road/s:	2	
Number of Entry and Exit ramp to the basement:	1	
Width of Entry & Exit provided on approach road/s:	6.0 & 6.0 meter	
Width of the Roads:	Permissible	Proposed
Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	6.0	6.0
Width of all internal roads:	6.0	6.0

22	Details of Green Building measures proposed.	Provision to install aerated coke in wash basins, kitchen, low flush water closet in toilet and pressure reducing valves in water pipelines, rain water harvesting and ground water recharge, maximum utilization of natural lights, LED lightings		
23	Energy Requirement, Source and Conservation	Power supply:	UGVCL	
		Maximum demand: Connected load: Source:	1250 KW 1250 KW UGVCL	
		Energy saving measures:	Use of transformers and motors having minimum efficiency of 85%, use of LED lights in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement, solar street lights etc.	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	62.5 KW	68.06 KW
		No. of solar panels		126
		Capacity of each Solar cell	500 W	540 W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	130 kwh/day
			Total Solar Power Utilization for Water Pump	132 kwh/day
			Total Solar Power Utilization for Electric Vehicles Charging Station	79 kwh/day
			Other usage	
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	--	1 Nos. of 125 KVA 40 liter/Hour (HSD)
24	Electric vehicle charging provision	Total no. of EV Charging points provided	24	
		Parking area designated for EV Charging parking	Electric car charging stations will be provided for 24 of the required CPS	
		Total proposed EV charging capacity	12 slow EV Charging points 12 Fast EV Charging points	
		Total power requirement to charge Electric Vehicle in kWh/day	120 kWh/day	

		Availability of power	*Out of 120 kWh/day of power requirement for Charging of Electric Vehicles, 79 kWh/day will be utilized from solar power generation and remaining 41 kWh/day will be utilized from main power supply.*	
25	Fire and Life Safety Measures	During the construction phase:		
		Fall Protection	Guardrails, fall arrest systems, safety nets and covers will be used to prevent deaths and injuries from falls. Use safety net systems or personal fall arrest systems (body harnesses).	
		Foot Protection	If machines or operations present the potential for foot injury, the Contractor must provide foot protection, which is of safe design and construction for the work to be performed. Workers and visitors should not be allowed on a construction site without safety boots.	
		Head Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection.	
		Noise Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection.	
		Eye Protection	When machines or operations present potential eye injury from physical or chemical elements, the Contractor must select, provide, maintain and required affected employees to use appropriate eye protection. Eye protection (safety glasses and goggles, face shields and welding helmets) must be adequate and reasonably comfortable.	
		Ladders and Stairs	• The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition. • Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not	

				practical, be provided with grab rails and be secured against movement while in use. • All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement. • The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more. • When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear. • All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders.	
			Scaffolds	• Access to Scaffolds - Access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps. • Employees must never use makeshift devices, such as boxes and barrels, to increase the scaffold platform working level height.	
			Access to Scaffolds	• Access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps.	
			Trenching and Excavation	• The area around the trench/excavation would be kept clear of surface encumbrances. • Water should not be allowed to accumulate in the excavation. • Adjacent structures would be shored in accordance with the design documents to prevent collapse.	

			• Guardrails or some other means of protecting people from falling into the trench/excavation would be present. • The trench or excavation would be shored or sloped to prevent cave-ins.	
		Electrical Safety	• If work has to be done near an overhead power line, the line must be de-energized and grounded before work is started. • A licensed electrician would have completed all temporary wiring and electrical installations required for construction activities. • Fuses and circuit breakers would be used to protect motherboards, conductors and equipment. • Extension cords for equipment or as part of a temporary wiring system will not be damaged or compromised in any way and insulation must be of the highest grade. • Anytime electrical equipment is deactivated for repair, or circuits are shut off, the equipment will be locked out and tagged at the point where it can be energized. • Temporary lights may not be suspended by their cords. • The Contractor would provide the necessary safety equipment, supplies and monitoring equipment to their personnel.	
		Cranes	• A competent person has been designated to supervise activities that require the use of cranes. • Cranes would not be operated near any power lines. • All picks would be carefully planned to ensure that the crane adequately hoist the load. • The hoisting signals would be posted on the exterior of the crane.	
		Occupational Noise Exposure	• The Contractor should implement engineering controls to reduce noise levels. • The Contractor should provide hearing protection to employees that are exposed to noise levels above the permissible limit.	

		Welding and Cutting	• The Contractor's employees would be trained in hot work procedures. • There should be adequate ventilation to reduce the build-up of metal fume. • The hot work operators would use proper personal protective equipment (i.e., welding helmet, burning goggles, face shield, welding gloves, and apron). • There would be a fire extinguisher present at all welding and burning activities. • Extinguishers would also be placed at locations where slag and sparks may fall. • Oxygen and flammable gas bottles are separated by at least 7 m when not in use. • The Contractor would control the release of gases, vapours, fumes, dusts, and mists with engineering controls (e.g., adequate ventilation).		
		Others	--		
		During the operation phase	Fire safety measures	fire extinguishers at each floor, smoke detectors, fire sprinklers, basement sprinkler, fire mist system	
			Capacity of Underground fire water tank	1 No of 200 KL	
			Capacity of Overhead fire water tank	20 KL on each building	
		Status of fire opinion obtained for the project, submit details	Order No: R-7/055/2023, Dated: 10/03/2023		
		Nearest fire station, distance & time required for the fire tender to reach at the project site :	Chandkheda Fire Station at around 3.89 km away from the project site. It takes around 5-6 minutes to reach the site.		
26	Rain Water Harvesting (RWH)	Level of the Ground water table:	>10 meter		
		RWH/Percolation well details:	Required	Provided	
		No. of RWH tank(s) :	--	1 No:	
		Dimensions of RWH tank(s):		4.0 m x 4.0 m x 4.0 m	
		No. of percolations wells:	2 Nos.	2 Nos. of percolating wells,	

		Depth of percolations wells:		Depth > 10 m
		Details on Pre-treatment facilities :	--	Catch pit with filtration media
27	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2) :	--	260.00
		Area covered by shrubs and bushes (m^2):	--	--
		Lawn covered area (m^2)	--	534.55
		Total Green Area (m^2):	--	794.55
		No. of trees and species to be planted:	130 (As per CGDCR 1 No. of trees for 40 m2 area)	130
28	Basic amenities to be provided to construction workers.	Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc.		
29	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**	
		Air	Dust suppression measures are undertaken such as regular sprinkling of water around vulnerable areas of the construction site by suitable methods to control fugitive dust during earthwork and construction material handling/ over hauling. Properly tuned construction machinery & vehicles in good working condition with low noise & emission are used and engines are turned off when not in use.	
		Noise Control	Protective gears such as ear mufflers etc. are provided to construction personnel exposed to high noise levels.	
		Water	Toilet and drinking water facilities for construction workers are provided by the contractor at the construction site to avoid unhygienic condition at site.	
		Solid and hazardous waste management	Waste construction materials are recycled and excess construction debris are disposed at designated places in tune with the local norms.	

		Environment monitoring	The recurring cost would be incurred on hiring of consult- ants and payment of various statutory fees to regulatory agencies.
		Rain water	Adequate rainwater harvesting will be provided
		Green belt	130 nos. Trees and Lawn Area Development
		Solar Energy	Solar Energy Roof Top Solar –68.06 KW; Terrace Space require – 680.6 Sq.m.
		Fire & Safety	Adequate fire protection facilities will be installed including fire detectors, fire alarm and firefighting system as per National Building Code. Adequate safety measures complying to the occupational safety manuals to prevent accidents/hazards to the maintenance workers
		CER	**Details of the activities to be carried out under corporate Environment Responsibility (CER):** **No** | **Activities** | **3 Year plan** (1 | 2 | 3) | **Total cost** 1 | Tree plantation with tree guard and maintenance in adjacent TP Road of proposed project. | ₹ 10,00,000 | ₹ 10,00,000 | ₹ 9,00,000 | ₹ 29,00,000 2 | Installation and commissioning of solar street light in adjacent TP Road of proposed project. | ₹ 10,00,000 | ₹ 10,00,000 | ₹ 10,00,000 | ₹ 30,00,000 3 | Provide Solar Panel to the Urban health centre. | ₹ 10,00,000 | ₹ 10,00,000 | ₹ 9,00,000 | ₹ 29,00,000 **Total exp.** | **₹ 88,00,000**
		Amenities/ Occupational health center.	Drinking water and sanitation facilities for worker. PPE's will be provided to workers during Construction Phase.

30 Budgetery provision of Environment Management plan

Sr. No.	**Head**	**Basis for cost estimates**	**Total Capital cost (Rs. In lacs) (Construction and operation phase)**	**Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)**	**Implementation Plan For Capital Expenditure**
1.	Air	Dust Mitigation Measures	6,24,000	--	Three Year
		Stack and DG room	1,25,000	60,000	
2.	Noise	Mitigation Measures (Protective gears such as ear mufflers and Erect enclosures around machines to reduce the amount of noise emitted into the workplace or environment. Use barriers and screens to block the direct path of sound. Position noise sources further away from workers etc.)	50,000	25,000	
3.	Water	105 KLD – ASP Type STP, Area Require –70 Sq.m.,	10,50,000	2,10,000	
4.	Solid and hazardous waste management	275 Kg/Day – Automatic OWC Area require – 4.5 Sq.m.	2,75,000	60,000	

<table>
<tr><td>5.</td><td>Environment monitoring</td><td>The recurring cost would be incurred on hiring of consult-ants and payment of various statutory fees to regulatory agencies.</td><td>--</td><td>75,000</td></tr>
<tr><td>6.</td><td>Rain water</td><td>Collection system, treatment and recharge well - 2 nos. P. W.C.</td><td>4,00,000</td><td>20,000</td></tr>
<tr><td>7.</td><td>Green belt</td><td>130 nos. Trees and Lawn Area Development</td><td>4,33,501</td><td>43,350</td></tr>
<tr><td>8.</td><td>Solar Energy</td><td>Roof Top Solar – 68.06 KW; Terrace Space require – 680.63 Sq.m.</td><td>27,22,512</td><td>54,450</td></tr>
<tr><td>9.</td><td>Fire & Safety</td><td>Provide Fire Fighting Systems as per Fire Opinion from GMC and Fire and Safety Equipment and PPE’s will be provided to workers during Construction Phase.</td><td>27,17,193</td><td>2,71,719</td></tr>
<tr><td>10.</td><td>CER</td><td>Details of the activities to be carried out under corporate Environment Responsibility (CER):
<table><tr><th>No</th><th>Activities</th><th colspan="3">3 Year plan</th><th>Total cost</th></tr><tr><th></th><th></th><th>1</th><th>2</th><th>3</th><th></th></tr><tr><td>1</td><td>Tree plantation with tree guard and maintenance in adjacent TP Road of proposed project.</td><td>₹ 10,00,000</td><td>₹ 10,00,000</td><td>₹ 9,00,000</td><td>₹ 29,00,000</td></tr><tr><td>2</td><td>Installation and commissioning of solar street light in adjacent TP Road of proposed project.</td><td>₹ 10,00,000</td><td>₹ 10,00,000</td><td>₹ 10,00,000</td><td>₹ 30,00,000</td></tr><tr><td>3</td><td>Provide Solar Panel to the Urban health centre.</td><td>₹ 10,00,000</td><td>₹ 10,00,000</td><td>₹ 9,00,000</td><td>₹ 29,00,000</td></tr><tr><td colspan="5">Total exp.</td><td>₹ 88,00,000</td></tr></table></td><td>88,00,000</td><td>--</td></tr>
<tr><td>11.</td><td>Amenities/ Occupational health center</td><td>Providing of amenities facility for worker, Implementation Occupational health and safety procedures to workers during Construction Phase.</td><td>6,79,298</td><td>67,930</td></tr>
<tr><td colspan="3">Total</td><td>1,78,76,504</td><td>8,87,449</td></tr>
</table>

- Committee deliberated on the following:
  - ✓ Committee asked about the height of the basement for future mechanical parking provision.
  - ✓ PP replied vide their email dated 16-10-2023 and submitted that basement height is 4.2 mts.

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance

of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on 08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 1 nos of buildings [2 Basement + G.F + 14 Floors].
3. The height of the building shall not be higher than 44.94 mts.
4. The Peripheral margin shall be 6 mts and Internal roads shall be 6 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 2.25 KLD and it shall be met through Tanker. No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through Soak Pit via Septic Tank.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.

13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 112.7 KLD, out of which fresh water requirement of 72.9 KLD shall be met through GMC and the remaining 39.9 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 92.4 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of GMC.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 2 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (125 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.
23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the GMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
26. Firefighting facilities like fire extinguishers at each floor, smoke detectors, fire sprinklers, basement sprinkler, fire mist system, terrace water tanks of 20 KL capacity each building, underground water tank of 200 KL, etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of Fire Lift	Travel distance (m)
Block A to D	2B+GF+14	1256.13	4	2.00	8	4	18.69<25

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 6821.01 m^2 (243 CPS) [3057.11 m^2 in Basement 1 +3161.84 m^2 in Basement 2 + 205.20 m^2 in Hollow Plinth + 396.86 m^2 in open area] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 68.06 KW solar power generation, use of aerated blocks & RMC, use of LED

lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 794.55 m2 comprising of 260.00 m2 tree covered area with 130 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 178.76 Lakhs and Recurring cost of Rs 8.87 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 88 Lakhs as committed before SEAC for activities like Tree plantation with tree guard and maintenance in adjacent TP Road of proposed project. Installation and commissioning of solar street light in adjacent TP Road of proposed project. Provide Solar Panel to the Urban health centre..
39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC,

MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

7	**SIA/GJ/INFRA2/441721/2023**	**Eklingji Satvam** **Survey Number 736/1, C.S. Number: 432, O.P. Number: 191/1, F.P. Number: 191/1, D.T.P. S. Number:03, Ghuma, Ahmedabad**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/441721/2023 dated: 01.09.2023.
- This is a proposed Residential cum commercial building construction project having net plot area of 8680.00 m2, FSI area of 28530.90 m2 and the proposed built-up area of the project is 44260.08 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New
1.2. Proposal no.	SIA/GJ/INFRA2/441721/2023
1.3. Category of Project :	8(a)
1.4. Date of application accepted by SEAC	01.09.2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1, Form-1-A, Conceptual plan, EMP, NA Permissions, Airport NOC, Firefighting opinion etc.
1.6. TOR No. & Date :	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant Name :	Hitendra Kela Mobile No: 9428679533 e-Mail: hitendrakela@gmail.com
1.8. SEAC Meeting No. and Date:	SEAC Meeting No : 708 Date: 16.10.2023

2. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/441721/2023
2.	Name of the project	Proposed Residential cum commercial project "Eklingji Satvam"
3.	Address of the Site	Survey Number 736/1, C.S. Number: 432, O.P. Number: 191/1, F.P. Number: 191/1, D.T.P. S. Number:03, Ghuma, Ahmedabad
4.	Name of Developer	Eklingji Projects LLP
5.	Estimated Project Cost (Rs. In Crores)	76.20 Cr
6.	Whether construction work has been initiated at site? If yes, details thereof And if No, Date up to which construction has not started.	No, construction work not started till date
7.	Details of Undertaking stating current status of construction at site.	No construction work is started Undertaking submitted
8.	Whether NA permissions of all survey Nos have been obtained, details there of	Yes, Submitted along with application

<table>
<tr><td>9.</td><td>Site coordinates</td><td>(with all coordinates of the polygon)

<table><tr><td>A</td><td>23° 00'53.89"N</td><td>72°28'8.62"E</td></tr><tr><td>B</td><td>23° 00'52.78"N</td><td>72°28'8.63"E</td></tr><tr><td>C</td><td>23° 00'51.65"N</td><td>72°28'5.24"E</td></tr><tr><td>D</td><td>23° 00'52.29"N</td><td>72°28'5.02"E</td></tr><tr><td>E</td><td>23° 00'51.98"N</td><td>72°28'4.21"E</td></tr><tr><td>F</td><td>23° 00'54.95"N</td><td>72°28'3.07"E</td></tr><tr><td>H</td><td>23° 00'55.44"N</td><td>72°28'4.44"E</td></tr><tr><td>H</td><td>23° 00'54.73"N</td><td>72°28'4.70"E</td></tr><tr><td>I</td><td>23° 00'55.00"N</td><td>72°28'5.44"E</td></tr><tr><td>J</td><td>23° 00'53.07"N</td><td>72°28'6.16"E</td></tr></table></td></tr>
<tr><td>10</td><td>Project Details</td><td>• Land / Plot Area (m^2): 8680.00
• FSI area (m^2): 28530.90 (23436.00 + 5094.90 TDR)
• Total BUA (m^2):44260.08

<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area(m^2)</td><td>23436.00</td><td>28530.90</td></tr><tr><td>Ground Coverage(m^2)</td><td>-</td><td>3619.96</td></tr><tr><td>Common Plot Area(m^2)</td><td>868.00</td><td>960.00</td></tr><tr><td>Max. building height(m)</td><td>70</td><td>44.90</td></tr></table></td></tr>
<tr><td>11</td><td>Airport NOC</td><td>Order no: AHME/WEST/B/031623/747347, Dated: 20.03.2022</td></tr>
<tr><td>12</td><td>~~In case of Expansion project/ Amendment project~~</td><td><table><tr><td>~~Reason of the Expansion~~</td><td></td></tr><tr><td>~~Details of earlier EC obtained for the project~~</td><td>~~SEIAA/GUJ/EC/8(a)/.../... Dated:.....~~</td></tr><tr><td>~~Compliance of the earlier EC~~</td><td>~~Submitted /Not submitted~~</td></tr><tr><td rowspan="2">~~Status of construction completed on site~~</td><td>~~Built up area constructed:~~</td><td></td></tr><tr><td>~~No. of blocks and floors constructed:~~</td><td></td></tr><tr><td rowspan="3">~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~</td><td>~~Name of the Authority~~</td><td></td></tr><tr><td>~~Date of order~~</td><td></td></tr><tr><td>~~Builtup area granted~~</td><td></td></tr><tr><td>~~Documentary proof submitted for supporting the expansion of the project.~~</td><td>~~Availability of Additional FSI, TDR, Revision in GDCR etc~~</td></tr></table></td></tr>
</table>

13	~~In case of Expansion/ Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~ ~~Condition No.~~ | ~~Details as per EC Granted~~ | ~~Details require by the PP~~	
14	Building Details	No. of Buildings:	3
		No. of Blocks:	5
		Scope of buildings/blocks:	Height: 44.90 m (Basement + Ground Floor/Hollow plinth + 14 floors)
		No. & size of Residential Units:	Total 288 units [89 to 91 Sq Meter (3 BHK)]
		No. & type of Commercial Units:	44 shops
		Details of amenities if any:	Society offices
15	No. of expected residents / users/	Residents:1728 Commercial: 44 Visitors:400	
16	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE**	
		Water requirement (KL/day):	100 person X 45 Liter/day= 4.5 KLD, Dust suppression 5.0 KL, Curing and construction activity 8.0KL, Total 17.5 KLD
		Source of water/Supply from-	Water supply from Tankers
		CGWA Permission details (if applicable)	No
		Waste water generation quantity (KL/day):	4.5 KLD X 0.80 = 3.6 KLD
		Mode of disposal:	Disposal into underground drainage of Soak Pits
		Details of reuse of water, if any:	No
		OPERATION PHASE	

Total water Consumption (KL/day):	271.5
Fresh water requirement (KL/day):	184.32
Recycle of treated w/w, KL	87.18
A. Gardening area, m2	960
B. Flushing KL/day	82.86
C. Sprinklers (Nos in premises, with pipeline details)	320 m pipeline provided with Two Number Automatic 360 ° Rotating Adjustable Round 3 Arm Lawn Water Sprinkler for Watering Garden and 12 tap provided for trees
D. Storage tank details for storage of treated domestic waste water in premises	50 KL treated wastewater storage underground tank and 25 KL (5 Block X 5KL) on terrace tank for treated wastewater
Source of water:	AUDA
Total Waste water generation quantity (KL/day):	213.74
Treated Waste water to be reused KL/day	87.18
Quantity and type (treated/untreated) of water to be discharged:	126.56 Kl/day, Treated water will be discharged through drainage line of AUDA.
In case of STP provision, capacity of STP:	Yes, 250 KLD
STP Technology:	MBBR
Provision of dual plumbing system (Yes/No):	Yes

17	Status of water supply and drainage line and its permission/ acknowledgement details	Available at 200 m from the site			
18	Solid waste Management	**Construction Phase**:			
			Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
		Top Soil	300	300	Will be used for greenbelt development.
		Other excavated earth	29700	10500 m3 will be used for orba	Remaining will be send to their other project site for filling up of the low lying areas.

					c k f i l l i n g		
			Construction debris	450	5 0 m 3 w i l l b e u s e d f o r d e v e l o p m e n t o f i n t e r n a l r o a d a n	Balance debris will be handed over to AUDA (As per C & D Rule)	

					dbackfilling.	
		Steel scrap	50		0	Sold to vendors
		Discarded packing materials	20		0	Sold to vendors
		Others	10		0	Sold to vendors
		Operation Phase:				
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection		Mode of Disposal / Reuse
		Dry waste	365.12	White bins		Sold to vendors

		Wet waste	547.68	Green Bins	OWC
		STP Sludge	100	Green Bins	OWC
		Details of segregation if to be done:		Yes	
		Capacity and no. of community bins to be placed within premises:		50 Kg/ bins and 50 Number	
		Landfill site where waste will be ultimately disposed by local authority:		AUDA	

19 Details on staircase:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)
A	G/HP + 14	433.52	1	2.05	2	1	21
B	G/HP + 14	433.52	1	2.05	2	1	21
C	G/HP + 14	433.52	1	2.05	2	1	21
D	HP + 14	428.97	1	2.05	2	1	21
E	HP + 14	576.91	1	2.05	2	1	24

20	Parking Details	As below:	Sq. mtrs.	CPS
	Total parking area requirement for the project as per GDCR:		6475.47	-
	Parking area requirement for residential units as per GDCR:		5193.32	-
	Parking area requirement for commercial units as per GDCR:		1282.15	-

	Parking area requirement as per GDCR for (specify in case of any other):			-	-
	Total number of CPS requirement for the project as per NBC			-	332
	Total parking area provided (m^2) & No. of CPS:			11536.72	375
	Parking area provided in basement (m^2) & No. of CPS:			6808.83	212
	Parking area provided in hollow plinth (m^2) & No. of CPS:			2117.79	75
	Parking area provided as open surface (m^2) & No. of CPS:			530	23
	Parking area provided as mechanical (m^2) & No. of CPS:			2080	65
	Number of Visitor parking provided in the project (No. of CPS):			-	76
21	Traffic Management	Width of adjacent public roads:	24.0 m		
		Number of Entry & Exit provided on approach road/s:	Two Entry and Two Exit		
		Number of Entry and Exit ramp tothe basement:	One Entry and One Exit		
		Width of Entry & Exit provided on approach road/s:	6.0 m Entry & 6.0 m Exit		
		Width of the Roads:	Permissible	Proposed	
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	6.0	6.0	
		Width of all internal roads:	6.0	6.0	
22	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & landscape areas –10 solar street lights, 100 KW roof top solar Panel, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation, rain water harvesting & ground water recharge through 03 nos. of percolating wells etc.			
23		Power supply:	UGVCL		

	Energy Requirement, Source and Conservation	Maximum demand: Connected load: Source:	1950 KW 2000 KW UGVCL	
		Energy saving measures:	Use of LED lighting fixtures and low voltage lighting	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	100 KW (5% of connected load)	100 KW
		No. of solar panels		186
		Capacity of each Solar cell	500 W	540W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	10 Solar lighting in Open and Landscape Areas – 20 W Each Total 200W
			Total Solar Power Utilization for Water Pump	25 KW solar power Utilization for Water Pump
			Total Solar Power Utilization for Electric Vehicles Charging points	75 KW power Utilization for Electric Vehicles Charging points
			Other usage	No
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	-	1 X 125 HSD, 25 l/h
24	Electric vehicle charging provision	Total no. of EV Charging points provided	100 EV Charging points provided	
		Parking area designated for EV Charging parking	100 individual EV charging points provided in Basement and HP area	
		Total proposed EV charging capacity	We will provide additional power load equivalent to the power required for all charging points to be operated simultaneously with factor of 1.25	

		Total power requirement to charge Electric Vehicle in kWh/day	Maximum 550 kWh/day
		Availability of power	Out of 550 KWh/day of power requirement for Charging of Electric Vehicles, 550 kWh/day will be utilized from solar power generation
25	Fire and Life Safety Measures	**During the construction phase**:	
		Fall Protection	The Contractor is required to provide fall protection to employees who are working at heights equal to or greater than 1.8 m. Fall protection can be in the form of perimeter protection such as guardrails and toe rails, personal protective equipment (PPE), a safety monitoring system, or a fall protection plan. Activities that require personal fall protection systems include steel erection bolting, riveting, fitting-up and plumbing-up, work over water and some deep excavation work. On buildings or structures not adaptable to temporary floors, and where scaffolds are not used, safety nets will be installed and maintained whenever the potential fall distance exceeds two storeys The PPE standard should cover occupational foot, head, hearing, and eye protection
		Foot Protection	If machines or operations present the potential for foot injury, the Contractor must provide foot protection, which is of safe design and construction for the work to be performed. Workers and visitors should not be allowed on a construction site without safety boots
		Head Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection
		Noise Protection	Workers should be wearing hearing protection devices (ear plugs, ear muffs, canal caps) that are in good condition whenever they are involved in noisy activities
		Eye Protection	When machines or operations present potential eye injury from physical or chemical elements, the Contractor must select, provide, maintain and required affected employees to use appropriate eye protection. Eye protection (safety glasses and goggles, face shields and welding helmets) must be adequate and reasonably comfortable To the greatest extent possible, working surfaces must be kept dry to prevent slips and falls and to

				reduce the chance of nuisance odors from pooled water All equipment and materials should be stored in designated storage areas that are labeled as such	
			Ladders and Stairs	The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be secured against movement while in use All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders	
			Scaffolds	Access to Scaffolds - access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps Employees must never use make shift devices, such as boxes and barrels, to increase the scaffold platform working level height	
			Access to Scaffolds	The area around the trench/excavation would be kept clear of surface encumbrances. Water should not be allowed to accumulate in the excavation Adjacent structures would be shored in accordance with the design documents to prevent collapse Guardrails or some other means of protecting people from falling into the trench/excavation would be present The trench or excavation would be shored or sloped to prevent cave-ins	
			Trenching and Excavation	The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be secured against movement while in use All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement.	

				Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders	
			Electrical Safety	Use electrical gloves and footwear while handling electrical materials as they provide basic safety. Take extra precautions like using a face shield, fire-resistant helmet and protective eyewear and earmuffs while working with wiring or if you are in close contact with electrical equipment.	
			Cranes	A competent person has been designated to supervise activities that require the use of cranes Cranes would not be operated near any power lines All picks would be carefully planned to ensure that the crane adequately hoist the load The hoisting signals would be posted on the exterior of the crane	
			Occupational Noise Exposure	The Contractor should implement engineering controls to reduce noise levels The Contractor should provide hearing protection to employees that are exposed to noise levels above the permissible limit	
			Welding and Cutting	The Contractor's employees would be trained in hot work procedures. There should be adequate ventilation to reduce the build up of metal fume The hot work operators would use proper personal protective equipment (i.e., welding helmet, burning goggles, face shield, welding gloves, and apron) There would be a fire extinguisher present at all welding and burning activities Extinguishers would also be placed at locations where slag and sparks may fall. Oxygen and flammable gas bottles are separated by at least 7 m when not in use The Contractor would control the release of gases, vapors, fumes, dusts, and mists with engineering controls (e.g., adequate ventilation)	
			Registration of Establishment under the Building and	Registered contractor will be hired before construction as per Building and other construction workers (regulation of employment & conditions of services) Act 1996	

		other construction workers (regulation of employment & conditions of services) Act 1996		
		Others	No	
		During the operation phase"	Fire safety measures	Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system, automatic sprinkler system in basement, Shops and HP
			Capacity of Underground fire water tank	300 KL
			Capacity of Overhead fire water tank	Toral 100 KL
		Status of fire opinion obtained for the project, submit details	Yes, Fire opinion submitted along with application Fire Opinion No: FOPN-SW02-007-H-0100001, Dated: 09.08.2023	
		Nearest fire station, distance & time required for the fire tender to reach at the project site :	Bopal Fire station is ~ 0.6 km in SE direction and The Fire Tender will take @ 5 minutes to reach the Project site during emergency	
26	Rain Water Harvesting (RWH)	Level of the Ground water table:	35 m	

		RWH/Percolation well details:	Required	Provided
		No. of RWH tank(s)	03	03
		Dimensions of RWH tank(s) :	-	2.5mx2.0mx3.0m
		No. of percolations wells :	03	03
		Depth of percolations wells :	-	35 m
		Details on Pre-treatment facilities	oil and grease removal and filter	oil and grease removal and filter
27	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2) :	-	450
		Area covered by shrubs and bushes (m^2):	-	35
		Lawn covered area (m^2):	-	475
		Total Green Area (m^2):	868.00	960.00
		No. of trees and species to be planted:	217 As per CGDCR	217 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, Saptaparni , Borsali and Gulmohar
28	Basic amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, welfare facilities as per the Gujarat Building & Other Construction Workers Rules. Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided.		

		Toilets and urinals would be provided.	
29	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**
		Air	During Construction Phase: Dust Mitigation Measures (Dust suppression by spraying of water and Peripheral barricading of 3m height) During Operation Phase: DG sets Stack and DG room
		Noise Control	During Construction phase: Acoustic mufflers / enclosures to be provided in large engines/machineries Implement good working practices, ear plugs, ear muffs, canal caps During Operation Phase: Acoustic Enclosure will be provided around D.G. Set Proper Traffic Signage will be placed at several places within premises
		Water	During Construction phase: Septic tank and soak pits will be provide During Operation Phase: 250 KLD – MBBR Type STP, Area Require – 100 Sq. m.,
		Solid and hazardous waste management	During Construction phase: Solid and hazardous waste will be storage separately for temporary period. Waste will be handedover to Vendor/municipal solid waste collection team During Operation Phase: 1000 Kg/day - OWC
		Environment monitoring	During Construction phase: Ambient air and Noise level will be monitoring at Six month interval for Three location or as per EC condition

<table>
<tr><td></td><td></td><td></td><td></td><td>During Operation Phase: Ambient air and Noise level will be monitoring at Six month interval for Three location or as per EC condition</td><td></td></tr>
<tr><td></td><td></td><td></td><td>Rain water</td><td>Collection system, treatment and recharge well – 03 nos. P. W.C.</td><td></td></tr>
<tr><td></td><td></td><td></td><td>Green belt</td><td>217 nos. Trees and 510 Sq meter Lawn Area Development</td><td></td></tr>
<tr><td></td><td></td><td></td><td>Solar Energy</td><td>Roof Top Solar – 100 KW;
Terrace Space require – 1000 Sq.m.</td><td></td></tr>
<tr><td></td><td></td><td></td><td>Fire & Safety</td><td>During Construction Phase: Safety Equipment and PPE’s will be provided to workers during Construction Phase. Fall Protection, Safety Net , Ladders and Stairs Scaffolds, Trenching and Excavation Electrical Safety, Welding and Cutting
During Operation Phase: Provide Fire Fighting Systems as per Fire Opinion from AUDA and Fire and Safety</td><td></td></tr>
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<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Activity</th><th colspan="4">Total (Rs. in Lacs)</th></tr>
<tr><th>1st Year</th><th>2nd year</th><th>3rd Year</th><th>Total</th></tr>
<tr><td>1</td><td>Provide Fund for Green belt development, Landscape Area (Rs. 8,00,000) at AUDA Garden No: 513, and tree plantation (750 trees with Tree Guards – Rs. 18,75,000) and 30 Solar Lights (Rs. 12,00,000) maintenance for next Five years (Rs. 10.0 Lac)</td><td>15.0</td><td>15.0</td><td>8.75</td><td>38.75 + 10.0</td></tr>
<tr><td>2</td><td>Solar Panel installation with infrastructure at Dadagram Government Primary School. (Rs. 21,00,000)</td><td>6.0</td><td>6.0</td><td>9.0</td><td>21.0</td></tr>
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			3	Solar Panel installation with infrastructure at Iyava Government Primary Health Center. (Rs. 20,00,000)	5.0	10.0	5.0	20.0
			4	Tree Plantation with tree guards (500 Nos – Rs.13,50,000) on adjoining 24.0 & 12.0 m road.	5.0	5.0	3.50	13.50
			5	Provide Fund for Green belt development and tree plantation (1000 trees with Tree Guards – Rs. 20,25,000) at both sides of Sanand Village Pond (adjacent to AUDA Garden No: 513) , Solar Panel installation (Rs. 23,50,000) and maintenance for next six years (Rs. 6.0 Lac)	15.0	15.0	13.75	43.75 + 6.0
				Total	46	51	40	153
		Amenities/ Occupational health center.	Providing of amenities facility for worker (Sanitation, Drinking water etc) Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. • Toilets and urinals would be provided.					
30	Budgetery provision of Environment Management plan	**Sr. No**	**Head**	**Basis for cost estimates**	**Total Capital cost (Rs. In lacs) (Construction and**	**Total Recurring cost per annum (Rs. in lacs) (Construct**	**Implementation Plan For Capital Expenditure**	

						operation phase)	**ion and operation phase)**			
			1.	Air	Dust Mitigation Measures (Dust suppression by spraying of water and Peripheral barricading of 3m height)……	18.0	1.0	During Constructio n Phase		
					Stack and DG room, 125 KVA	3.0	0.5	Before Operation Phase		
			2	Noise Control	Acoustic mufflers / enclosures to be provided in large engines/machineri es Implement good working practices	12.0	0.5	During Construction Phase		
					Acoustic Enclosure will be provided around D.G. Set Proper Traffic Signage will be placed at several places within premises	3.0	0.5	Before Operation Phase		
			3.	Water	250 KLD – MBBR Type STP, Area Require –100 Sq. m.,	35.0	3.0	Before Operation Phase		
			4.	Solid and hazardou s waste manage ment	1000 Kg/Day – Automatic OWC Area require – 19 Sq.m.	18.0	2.5	Before Operation Phase		
			5.	Environm ent monitorin g	The recurring cost would be incurred on hiring of consult- ants and	2.5	2.5	Construction and Operation Phase		

<table>
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<tr><td></td><td></td><td></td><td>7.</td><td>Green belt</td><td>217 nos. Trees and 510 Sq meter Lawn Area Development</td><td>3.0</td><td>1.0</td><td>Before Operation Phase</td></tr>
<tr><td></td><td></td><td></td><td>8.</td><td>Solar Energy</td><td>Roof Top Solar – 100 KW; Terrace Space require 1000 Sq.m.</td><td>45.0</td><td>0.5</td><td>Before Operation Phase</td></tr>
<tr><td></td><td></td><td></td><td>9.</td><td>Fire & Safety</td><td>Provide Fire Fighting Systems as per Fire Opinion from AUDA and Fire and Safety</td><td>250</td><td>1.0</td><td>Before Operation Phase</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td>Safety Equipment and PPE’s will be provided to workers during Construction Phase. Fall Protection, Safety Net , Ladders and Stairs Scaffolds, Trenching and Excavation Electrical Safety, Welding and Cutting</td><td>14.0</td><td>0.5</td><td>Construction phase</td></tr>
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						trees with Tree Guards – Rs. 18,75,000) and 30 Solar Lights (Rs. 12,00,000) maintenance for next Five years (Rs. 10.0 Lac)				10.0	
					2	Solar Panel installation with infrastructure at Dadagram Government Primary School. (Rs. 21,00,000)	6.0	6.0	9.0	21.0	
					3	Solar Panel installation with infrastructure at Iyava Government Primary Health Center. (Rs. 20,00,000)	5.0	10.0	5.0	20.0	
					4	Tree Plantation with tree guards (500 Nos – Rs.13,50,000) on adjoining 24.0 & 12.0 m road.	5.0	5.0	3.50	13.50	
					5	Provide Fund for Green belt development and tree plantation (1000 trees with Tree Guards – Rs. 20,25,000) at both sides of Sanand Village Pond (adjacent to AUDA Garden No: 513) , Solar Panel installation (Rs. 23,50,000) and maintenance for next six years (Rs. 6.0 Lac)	15.0	15.0	13.75	43.75+6.0	
						Total	46	51	40	153	
			11.	Amenities / Occupational	Providing of amenities facility for worker		8		0.5		During construction phase

			health center	(Sanitation, Drinking water etc) Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. • Toilets and urinals would be provided.			
		Total			567.5	14.2	

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on

08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 3 nos of buildings [Basement + Ground Floor/Hollow plinth + 14 floors].
3. The height of the building shall not be higher than 44.90 mts.
4. The Peripheral margin shall be 6 mts and Internal roads shall be 6 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 17.5 KLD and it shall be met through Tankers. No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through Soak Pit.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 271.5 KLD, out of which fresh water requirement of 184.32 KLD shall be met through AUDA and the remaining 87.18 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 213.74 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of AUDA.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 03 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (125 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.
23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed

onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the AUDA.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
26. Fire fighting facilities like Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system, automatic sprinkler system in basement, Shops and HP, terrace water tanks of total 100 KL capacity, underground water tank of 300 KL, etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)
A	G/HP + 14	433.52	1	2.05	2	1	21
B	G/HP + 14	433.52	1	2.05	2	1	21
C	G/HP + 14	433.52	1	2.05	2	1	21
D	HP + 14	428.97	1	2.05	2	1	21
E	HP + 14	576.91	1	2.05	2	1	24

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 11536.72 m^2 (375 CPS) [6808.83 m^2 in Basement + 2117.79 m^2 in Hollow Plinth + 530 m^2 in open area + 2080 m^2 as mechanical parking] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 100 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 960 m2 comprising of 450 m2 tree covered area with 217 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 567.5 Lakhs and Recurring cost of Rs 14.2 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 153 Lakhs as committed before SEAC for activities like Provide Fund for Green belt development, Landscape Area (Rs. 8,00,000) at AUDA Garden No: 513, and tree plantation (750 trees with Tree Guards – Rs. 18,75,000) and 30 Solar Lights (Rs. 12,00,000) maintenance for next Five years (Rs. 10.0 Lac) Solar Panel installation with infrastructure at Dadagram Government Primary School. (Rs. 21,00,000) Solar Panel installation with infrastructure at Iyava Government Primary Health Center. (Rs. 20,00,000) Tree Plantation with tree guards (500 Nos – Rs.13,50,000) on adjoining 24.0 & 12.0 m road.Provide Fund for Green belt development and tree plantation (1000 trees with Tree Guards – Rs. 20,25,000) at both sides of Sanand Village Pond (adjacent to AUDA Garden No: 513) , Solar Panel installation (Rs. 23,50,000) and maintenance for next six years (Rs. 6.0 Lac).

39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy

of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

8	**SIA/GJ/INFRA2/442002/2023**	**SHREEDHAR ROYAL** **S. P. No: 1, F. P. No: 39/2/7, TPS No: 114 (Vastral – Ramol), (Preliminary), Revenue Survey No: 838+839, O. P. No: 39/2/7, Vill: Vastral, Tal: Vatva, Dist: Ahmedabad – 382330**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/442002/2023 dated: 20/09/2023.
- This is a proposed Residential building construction project having net plot area of 7,134.23 m2, FSI area of 19,245.48 m2 and the proposed built-up area of the project is 30,114.05 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.

- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.

- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.

- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New/~~Expansion/Amendment~~
1.2. Proposal no.	SIA/GJ/INFRA2/442002/2023
1.3. Category of Project :	8(a)
1.4. Date of application accepted by SEAC	20/09/2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1,Form-1-A, Conceptual plan, EMP, NA Permissions, Airport NOC, Firefighting opinion etc.
1.6. TOR No. & Date :	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant Name :	Mr. Dipakkumar A. Maru
1.8. SEAC Meeting No. and Date:	708th, 16/10/2023

2. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/442002/2023
2.	Name of the project	SHREEDHAR ROYAL
3.	Address of the Site	S. P. No: 1, F. P. No: 39/2/7, TPS No: 114 (Vastral – Ramol), (Preliminary), Revenue Survey No: 838+839, O. P. No: 39/2/7, Vill: Vastral, Tal: Vatva, Dist: Ahmedabad – 382330.
4.	Name of Developer	M/s. SHREEHARI BUILDCON
5.	Estimated Project Cost (Rs. In Crores)	₹ 43.71 Crores.
6.	Whether construction work has been initiated at site? If yes, details thereof	No.

<table>
<tr><td></td><td>And if No, Date up to which construction has not started.</td><td></td></tr>
<tr><td>7.</td><td>Details of Undertaking stating current status of construction at site.</td><td>Details of Undertaking stating current status of construction at site is attached as Annexure-21 of EC application.</td></tr>
<tr><td>8.</td><td>Whether NA permissions of all survey Nos have been obtained, details there of</td><td>Yes, NA Copy of all survey nos. is attached as Annexure-3 of EC application.</td></tr>
<tr><td>9.</td><td>Site coordinates</td><td>(with all coordinates of the polygon)
<table>
<tr><td>Centre</td><td>22°59'34.42"N</td><td>72°39'41.30"E</td></tr>
<tr><td>A</td><td>22°59'36.66"N</td><td>72°39'41.99"E</td></tr>
<tr><td>B</td><td>22°59'35.45"N</td><td>72°39'41.82"E</td></tr>
<tr><td>C</td><td>22°59'35.23"N</td><td>72°39'42.81"E</td></tr>
<tr><td>D</td><td>22°59'32.73”N</td><td>72°39'42.23"E</td></tr>
<tr><td>E</td><td>22°59'33.24"N</td><td>72°39'39.48"E</td></tr>
<tr><td>F</td><td>22°59'35.87"N</td><td>72°39'39.96"E</td></tr>
<tr><td>G</td><td>22°59'35.55"N</td><td>72°39'41.43"E</td></tr>
<tr><td>H</td><td>22°59'36.73"N</td><td>72°39'41.62"E</td></tr>
</table></td></tr>
<tr><td>10.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 7,134.23
• FSI area (m^2): 19,245.48
• Total BUA (m^2): 30,114.05
<table>
<tr><td></td><td>Permissible</td><td>Proposed</td></tr>
<tr><td>FSI Area(m^2)</td><td>19,262.42</td><td>19,245.48</td></tr>
<tr><td>Ground Coverage(m^2)</td><td>---</td><td>1,838.61</td></tr>
<tr><td>Common Plot Area(m^2)</td><td>713.42</td><td>1,409.67</td></tr>
<tr><td>Max. building height(m)</td><td>---</td><td>43.70</td></tr>
</table></td></tr>
<tr><td>11.</td><td>Airport NOC</td><td>Order no: AHME/WEST/B/042423/754273, Dated: 26/04/2023</td></tr>
<tr><td>12.</td><td>~~In case of Expansion project/ Amendment project~~</td><td>
<table>
<tr><td>~~Reason of the Expansion~~</td><td></td><td></td></tr>
<tr><td>~~Details of earlier EC obtained for the project~~</td><td>~~SEIAA/GUJ/EC/8(a)/..../.... Dated:.....~~</td><td></td></tr>
<tr><td>~~Compliance of the earlier EC~~</td><td>~~Submitted /Not submitted~~</td><td></td></tr>
<tr><td rowspan="2">~~Status of construction completed on site~~</td><td>~~Built up area constructed:~~</td><td></td></tr>
<tr><td>~~No. of blocks and floors constructed:~~</td><td></td></tr>
<tr><td>~~If earlier EC not applicable/not~~</td><td>~~Name of the Authority~~</td><td></td></tr>
</table></td></tr>
</table>

		~~obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~	~~Date of order~~	
			~~Builtup area granted~~	
		~~Documentary proof submitted for supporting the expansion of the project.~~	~~Availability of Additional FSI, TDR, Revision in GDCR etc~~	

13.	~~In case of Expansion/ Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~ ~~Condition No.~~ | ~~Details as per EC Granted~~ | ~~Details require by the PP~~		
14.	Building Details	No. of Buildings:	3	
		No. of Blocks:	3	
		Scope of buildings/blocks :	• Block-A, Block-B & Block-C: Basement + Ground Floor (Parking) + 1st floor to 12th floors (Residential).	
		No. & size of Residential Units:	144	
		No. & type of Commercial Units:	---	
		Details of amenities if any:	---	
15.	No. of expected residents / users/	Residents: 960 Nos. Users: ---		
16.	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE**		
		Water requirement (KL/day):	12.25	
		Source of water/Supply from-	AMC	
		CGWA Permission details (if applicable)	Not applicable	
		Waste water generation quantity (KL/day):	1.80	

			Mode of disposal:	Disposal into underground drainage of **soak pit/septic system**.	
			Details of reuse of water, if any:	2.00 KL/day	
			OPERATION PHASE		
			Total water Consumption (KL/day):	137.00	
			Fresh water requirement (KL/day):	68.00	
			Recycle of treated w/w, KL	69.00	
			A. Gardening area, m2	7.00	
			B. Flushing	62.00	
			C. Sprinklers (Nos in premises, with pipeline details)	• At basement total 2,160 Nos. and at ground floor (H.P.) total 537 Nos. of Sprinklers are provided. • Fresh water supply line will also be provided for drinking, cooking and bathing purpose and treated sewage water supply line will be provided for gardening & flushing purpose. Remaining quantity of treated sewage shall be disposed off through drainage line of AMC.	
			D. Storage tank details for storage of treated domestic waste water in premises	A reservoir with 4 days retention capacity i.e. 400 KLD will be constructed to store treated sewage in the premises. All the treated sewage will be collected in this reservoir and stored in the rainy days.	
			Source of water:	AMC	
			Total Waste water generation quantity (KL/day):	104.00	
			Treated Waste water to be reused	69.00	
			Quantity and type (treated/untreated) of water to be discharged:	35.00 KLD, treated water will be discharged through AMC drainage line.	
			In case of STP provision, capacity of STP:	130 KLD	
			STP Technology:	MBBR	
			Provision of dual plumbing system (Yes/No):	Yes	

<table>
<tr><td>17.</td><td>Status of water supply and drainage line and its permission/ acknowledgement details</td><td colspan="4">Both Water supply lines and Drainage lines will be provided by AMC.</td></tr>
<tr><td>18.</td><td>Solid waste Management</td><td colspan="4">Construction Phase:</td></tr>
<tr><td></td><td></td><td></td><td>Generation (m^3)</td><td>Quantity to be reused (m^3)</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td></td><td></td><td>Top Soil</td><td>1,794.67</td><td>1,794.67</td><td>Excavated top soil will be utilized for greenbelt development.</td></tr>
<tr><td></td><td></td><td>Other excavated earth</td><td>25,911.00</td><td>2,413.97</td><td>Balance earth will be reused for our other own project.</td></tr>
<tr><td></td><td></td><td>Construction debris</td><td>50</td><td>50</td><td>Will be reused within the premises.</td></tr>
<tr><td></td><td></td><td>Steel scrap</td><td>5</td><td>---</td><td>Sold off to recyclers</td></tr>
<tr><td></td><td></td><td>Discarded packing materials</td><td>5</td><td>---</td><td>Sold off to recyclers</td></tr>
<tr><td></td><td></td><td>Others</td><td>---</td><td>---</td><td>---</td></tr>
<tr><td></td><td></td><td colspan="4">Operation Phase:</td></tr>
<tr><td></td><td></td><td>Type of waste</td><td>Generation Quantity (Kg/day)</td><td>Mode of waste collection</td><td>Mode of Disposal / Reuse</td></tr>
<tr><td></td><td></td><td>Dry waste</td><td>346</td><td>Blue colour bucket</td><td>Through door-to-door waste collection system of AMC.</td></tr>
<tr><td></td><td></td><td>Wet waste</td><td>230</td><td>Green colour bucket</td><td>Will be treated in the proposed onsite OWC & converted into manure. Manure will be either reused within premises or sold.</td></tr>
<tr><td></td><td></td><td>STP Sludge</td><td>7</td><td>Sludge Drying Bed</td><td>Reused in gardening as manure within project premises.</td></tr>
<tr><td></td><td></td><td colspan="2">Details of segregation if to be done:</td><td colspan="2">Separate bins will be provided to each unit for dry and wet waste and it will be segregated at source</td></tr>
</table>

		Capacity and no. of community bins to be placed within premises:	18 Nos. bins of 80 lit capacity for Residential.
		Landfill site where waste will be ultimately disposed by local authority:	Nearest waste disposal site.

19.	Details on staircase:	Details on staircase is mentioned below:

& f gs	**No. of floors**	**Area for each Floor (m^2)**	**No. of staircase**	**Width of the staircase (m)**	**Total No of Lifts**	**No. of Passenger Lift**	**No of fire lift**	**T di**
A	Basement + Ground Floor (Parking) + 1st floor to 12th floors (Residential).	480.91	1	2.00	2	1	1	
B		480.91	1	2.00	2	1	1	
C		641.97	1	2.00	2	1	1	

- A, B & C are interconnected at Terrace Level.

20.	Parking Details	As below:	Sq. mtrs.	CPS
	Total parking area requirement for the project as per GDCR:		4,234.01	---
	Parking area requirement for residential units as per GDCR:		3,849.10	---
	Parking area requirement for commercial units as per GDCR:		---	---
	Parking area requirement as per GDCR for (specify in case of any other): **(VISITORS)**		384.91	---
	Total number of CPS requirement for the project as per NBC:		---	144
	Total parking area provided (m^2) & No. of CPS:		8,176.61	273
	Parking area provided in basement (m^2) & No. of CPS:		5,758.00	180
	Parking area provided in hollow plinth (m^2) & No. of CPS:		1,838.61	68
	Parking area provided as open surface (m^2) & No. of CPS:		580.00	25
	Number of Visitor parking provided in the project (No. of CPS):		575.00 m^2 (Already included in open surface, hollow plinth and basement area).	25

21.	Traffic Management	Width of adjacent public roads:	24 m Road
		Number of Entry & Exit provided on approach road/s:	1 Entry & 1 Exit
		Number of Entry and Exit ramp to the basement:	1 Entry & 1 Exit

		Width of Entry & Exit provided on approach road/s:	4.50 m for Entry and 4.50 m for exit.	
		Width of the Roads:	Permissible	Proposed
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	6.00	6.00
		Width of all internal roads:	6.00	6.00 m
22.	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, solar based LED lights will be used in landscaped and drive way areas, 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.		
23.	Energy Requirement, Source and Conservation	Power supply:	Torrent Power Limited.	
		Maximum demand: Connected load: Source:	1,000 KW 1,000 KW Torrent Power Limited.	
		Energy saving measures:	Maximum utilization of natural light, solar based LED lights will be used in landscaped and drive way areas, 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.	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	50 KW	90 KW
		No. of solar panels	167 Nos.	300 Nos.
		Capacity of each Solar cell	300 W	300 W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	20 KW
			Total Solar Power Utilization for Water Pump	10 KW

			Total Solar Power Utilization for Electric Vehicles Charging Station	60 KW
			Other usage	---
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	1 No. x 80 KVA Diesel - 30 Lit/h	1 No. x 160 KVA Diesel – 40 Lit/h
24.	Electric vehicle charging provision	Total no. of EV Charging points provided	60	
		Parking area designated for EV Charging parking	Ground area & basement area will be having EV Charging Points.	
		Total proposed EV charging capacity	We will provide additional power load equivalent to the power required for all charging points to be operated simultaneously, with Safety factor of 1.25.	
		Total power requirement to charge Electric Vehicle in kWh/day	180	
		Availability of power	Out of 180 KW of power requirement for Charging of Electric Vehicles, 60 KW will be utilized from solar power generation and remaining 120 KW will be utilized from Torrent Power Limited.	
25.	Fire and Life Safety Measures	**During the construction phase**:	First aid box, free medicines, doctor service, PPEs, etc.	
		Fall Protection	• Perimeter protection such as guardrails and toe rails. • Safety Belts for working at height. • Personal protective equipment (PPE), a safety monitoring system. • Fall protection plan. • Safety nets will be installed. • The PPE standard should cover occupational foot, head, hearing, and eye protection.	
		Foot Protection	• Workers and visitors should not be allowed on a construction site without safety boots.	
		Head Protection	• Safety Helmet, safety belts, safety nets for work at heights. • Proper housekeeping.	

			Noise Protection	• Provision of acoustic enclosure for DG Set. • PPEs i.e. hearing protection devices (ear plugs, ear muffs, canal caps).	
			Eye Protection	Eye protection (safety glasses and goggles, face shields and welding helmets) must be adequate and reasonably comfortable	
			Ladders and Stairs	• To inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition. • Portable ladders be provided with grab rails and be secured against movement while in use. • All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. • Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement. • The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more • When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear.	
			Scaffolds Access to Scaffolds	• Access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps. • Employees must never use makeshift devices, such as boxes and barrels, to increase the scaffold platform working level height	
			Trenching and Excavation	• The area around the trench/excavation would be kept clear of surface encumbrances. Water should not be allowed to accumulate in the excavation. Adjacent structures would be stored in accordance with the design documents to prevent collapse.	

				• Guardrails or some other means of protecting people from falling into the trench/excavation would be present. • The trench or excavation would be shored or sloped to prevent cave-ins.	
			Electrical Safety	• If work has to be done near an overhead power line, the line must be de-energized and grounded before work is started. • A licensed electrician would have completed all temporary wiring and electrical installations required for construction activities. • Fuses and circuit breakers would be used to protect motherboards	
			Cranes	• A competent person has been designated to supervise activities that require the use of cranes. Cranes would not be operated near any power lines. • All picks would be carefully planned to ensure that the crane adequately hoist the load. • The hoisting signals would be posted on the exterior of the crane.	
			Occupational Noise Exposure	• Implement engineering controls to reduce noise levels. • Provision of hearing protection to employees that are exposed to noise levels above the permissible limit. • Acoustic Enclosure for high noise generating machines like D G Set	
			Welding and Cutting	• Trained worker in hot work procedures. • Adequate ventilation to reduce the build-up of metal fume. • Personal protective equipment (i.e., welding helmet, burning goggles, face shield, welding gloves, and apron). • There would be a fire extinguisher present at all welding and burning activities • Extinguishers would also be placed at locations where slag and sparks may fall. • Oxygen and flammable gas bottles are separated by at least 7 m when not in use.	

				• Signs and symbols would be visible. • Signage for traffic control, including directional signs, is applicable. • Danger signs are posted at all immediate hazards (i.e. Danger: Open Hole). • Caution signs are posted at all potential hazards (i.e. Caution: Construction Area, Caution: Buried Cable). • Combustible scrap and debris (wood, clearing/grubbing material) would be removed from the site daily or should be securely stored in covered containers. • Spill prevention control and countermeasure plan that limits the risk of releases of oil or hazardous materials to the environment.	
			Registration of Establishment under the Building and other construction workers (regulation of employment & conditions of services) Act 1996	Registration of Establishment under the Building and other construction workers (regulation of employment & conditions of services) Act 1996 will be applied after getting Environmental Clearance from SEIAA.	
			Others	---	
			During the operation phase”	Fire safety measures	The proposed residential building construction project will provide adequate fire protection facilities and all required safety aspects within premises. Following components will be provided for the same. • Fire Extinguishers on each floor • Hose Reel at each floor with 30 m length • Wet Riser opening at each floor • Automatic Sprinkler System • Automatic Smoke Detector • Manually & automatic operated electronic fire alarm system

					• Fire lift to each block • Fire Pump will be provided to each underground water tank with a capacity to discharge @7.5 bar pressure as measured at the terrace level. • Underground water storage tank of 1,00,000 Lit capacity for each building. • Staircase Pressurization System. • Lightening Arresters. • Photo luminescent (auto glow) signage's. • Electric power supply to the entire fire safety system.	
				Capacity of Underground fire water tank	1,00,000 Lit Proposed for each building.	
				Capacity of Overhead fire water tank	10,000 Lit Proposed for each building.	
			Status of fire opinion obtained for the project, submit details	Opinion No: FOPN-WZ01-041-H-0100002, Dated: 02/10/2023.		
			Nearest fire station, distance & time required for the fire tender to reach at the project site :	Jashodanagar Fire station is @ 3.95 km in SW direction from the project site and it will take 10-15 min. to reach the proposed project site.		
26.	Rain Water Harvesting (RWH)		Level of the Ground water table:	40.00 m		
			RWH/Percolation well details:	Required	Provided	
			No. of RWH tank(s)	2 Nos.	2 Nos.	
			Dimensions of RWH tank(s) :	2 m x 2 m x 2.50 m	2 m x 2 m x 2.50 m	
			No. of percolations wells :	2 Nos.	2 Nos.	

			Depth of percolations wells :	---	5 m above than U/G water level.
			Details on Pre-treatment facilities	De-silting chamber and Oil & grease trap	A de-silting chamber will be provided to de-silt and remove floating material through bar screen. Oil and grease trap will be provided as well.
	27.	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
			Tree covered area (m^2) :	---	385.00
			Area covered by shrubs and bushes (m^2):	---	Included in lawn covered area.
			Lawn covered area (m^2):	713.42	1,409.67
			Total Green Area (m^2):	713.42	1,794.67
			No. of trees and species to be planted:	As per CGDCR 5 Nos. of trees for 200 m^2 area. Hence 179 Nos. of trees require for 7,134.23 m^2.	200 Nos. of trees to be planted of Asopalav, Neem tree, Pipal, Gulmohar, etc
	28.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.		
	29.	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**	
			Air	During Construction Phase: • Water Sprinkling will be done for dust suppression. • To avoid dust emission, excavated soil & construction debris will be sprinkled with water and kept moist. • Construction material storage area will be covered with tarpaulin sheets. • Trucks used for transportation of construction material will be covered to avoid dust dispersion at site. • Personal Protective Equipment will be provided • Project site boundary will be barricaded with sheet of 15 ft height. • Regular maintenance/inspection of vehicles used at site will be done.	

				• Speed limit (<20 kmph) of vehicles used at site. • Vehicles having PUC certificate will only be allowed to enter the site. During Operation Phase: • D. G. Set will comply with emission norms of GPCB/MoEF. • Min. 6.00 m and max. 10.50 m wide internal road showing traffic direction will be provided for smooth movement of traffic. • Separate gate for entry and exit will be provided for smooth movement of vehicles. • RCC roads will be constructed to avoid dusting. • Greenbelt will be developed within the premises as per CPCB guideline.	
			Noise Control	During Construction Phase: • Construction activities will be allowed only during day time. • Machinery used for construction will be of high standard of reputed make and will adhere to International standards. These standards itself take care of noise pollution control / vibration control and air emission control. • Lubrication will be carried-out periodically for rotation machinery. • Use of well-maintained construction equipment's as well as vehicles used for transportation. • Provision of PPE to working staff. • Anti-vibration pads will be provided on machine foundation to maintain low noise. • D. G. Set will be provided with acoustic enclosures and will be used only in case of power failure/emergency. During Operation Phase: • Development of effective greenbelt which will help in noise attenuation. • Min. 6.00 m and max. 10.50 m wide internal road showing traffic direction will be provided for smooth movement of traffic. • Separate gate for entry and exit will be provided for smooth movement of vehicles	
			Water	During Construction Phase: • Sewage will be discharged into the soak pit/septic system. • Minimize water consumption through following steps: ○ Curing water will be sprayed on concrete structures.	

				○ After liberal curing on the first day, all concrete structures will be painted with curing chemical to save water. This will stop daily water curing hence save water. ○ Concrete structures will be covered with thick cloth/gunny bags and then water should be sprayed on them. This will ensure sustained and complete curing. ○ Ponds will be made using cement and sand mortar to avoid water flowing away from the flat surface while curing. ○ Pressure cock will be provided for construction water usage line. ○ Aware the construction workers with the help of banners to save water during different activity. ○ Good construction practices to avoid water logging on site. During Operation Phase: • Roof top rain water will be collected in an RCC tank which will be used for various purposes like gardening, firefighting, etc. • There will be no use of ground water for the proposed project and hence no impact on ground water. • A pressure reduction device will be installed when the pressure in the line exceeds 50-60 psi. • Gardening ○ Sprinkler and drip irrigation system will be used to minimize water requirement. ○ More native species and low water consuming species will be included in gardening to reduce the water demand. ○ Plantation of dry plants and those plants which can live, once established, with little or no supplemental watering. ○ Irrigation will be done during the coolest time of the day (early mornings and evenings) to avoid loss due to evaporation and wind drift. Also, the frequency of irrigation will be reduced during the winters. • Low flush water system at toilets and sensor-based fixtures or tap aerators, etc. will be installed. • Storm water drain system will be provided with adequate design. • Sewage will be treated in proposed STP of 130 KLD and treated sewage will be reused for gardening & flushing purpose within premises and	

				remaining quantity of treated sewage will be discharged into the drainage line of AMC.	
			Solid and hazardous waste management	During Construction Phase: • Excavated earth will be used for back filling. • Top soil will be used for garden development. • Construction debris will be re-used for backfilling and internal road development. During Operation Phase: • Separate bin will be provided to each owner for dry and wet waste and it will be segregated at source. Wet waste will be treated within premises using OWC. Recyclable material will be disposed as per the practice of AMC. • STP sludge will be reused in gardening as manure. • Domestic waste shall be managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.	
			Environment monitoring	• Regular water sprinkling will be carried out to avoid dust suppression. • Water sprinkling will also be carried out to avoid dust emission and to keep the excavated soil & construction debris moist with water. • Third party monitoring will be regularly carried out for maintaining overall noise level and ambient air quality during construction activity. • Solid waste shall be managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.	
			Rain water	• Total 2 Nos. of Percolating Wells will be provided to collect the rain water from roof top areas. • A de-silting chamber will also be provided to de-silt and remove floating material through bar screen.	
			Green belt	During Construction and Operation Phase: • Greenbelt will be developed within the premises as per CPCB guideline which will provide shelter for local flora and fauna. • About 25.16% of the total plot area will be developed as greenbelt within the premises. • Asopalav, Neem, Pipal & Gulmohar will be planted within the premises.	
			Solar Energy	Total 300 Nos. of solar panels will be provided to this project and around 50% of	

			the Residential roof top area will be covered for solar panel.
		Fire & Safety	• Fire Extinguishers will be provided at each floor. • Hose reel, automatic Smoke Detector and down comer will also be provided at each floor. • Automatic sprinkler system will be provided at basement and Ground floor. • Automated and Manually Operated Electric Fire Alarm System will be provided in each building. • Underground water storage tank with 1,00,000 Lit capacity will be provided for each building. • Terrace water tanks of 10,000 Lit capacity will be provided in each building.
		CER	Year – 2024-2025, 2025-2026, 2026-2027, Budget - ₹14.00 Lakhs Installation and maintenance of percolating well to recharge the ground water (₹3,50,000/- x 1 No.) in Bibipur Village (2 Nos.) and Dhamatwan Village (2 Nos.). Year – 2024-2025, 2025-2026, 2026-2027, Budget - ₹8.00 Lakhs Provision of Solar Paneled Street lights installation at Bibipur village (20 Nos. – ₹20,000 per lights) and Dhamatwan village (20 Nos. - ₹20,000 per lights). Year – 2024-2025, 2025-2026, 2026-2027, Budget - ₹65.50 Lakhs Beautification and redevelopment work for existing Dhamatwan lake 33,325.00 m^2 (i.e., Construction of embankment, gate and wall around the pond, Increasing depth of Pond, Tree plantation around the lake).
		Amenities/ Occupational health center.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc.
30.	Budgetery provision of Environment Management plan		

Sr. No.	Unit	Detail	Total Capital cost (₹In lacs) (Construction and operation phase)	Total Recurring cost per annum (₹in lacs) (Construction and operation phase)	Implementation Plan For Capital Expenditure
1.		Dust Mitigation Measures	2.00	0.30	2024-2027

	Air Environment	Cost of providing adequate height of the stack, ladder and platform, DG room			
2.	Noise Environment	D. G. set with acoustic enclosure, Anti-vibration pads and PPEs.	2.00	0.30	
2.	Water Environment	130 KLD – Primary, secondary & tertiary treatment Type STP, Area Require – 30.00 m^2	40.00	1.50	
3.	Solid and Hazardous waste Management	230 kg/Day – Automatic OWC Area require – 20.00 m^2, disposal, etc.	6.00	0.90	
4.	Environment monitoring	The recurring cost would be incurred on hiring of consultants and payment of various statutory fees to regulatory agencies.	1.00	0.80	
5.	Rainwater Harvesting System	Collection system, treatment and recharge well – 2 Nos. P. W.C.	7.00	0.80	
6.	Green belt	200 Nos. Trees and Lawn area development (Land leveling, Plantation, Irrigation System Installation, Labour cost)	1.95	0.79	
7.	Solar Energy	Roof Top Solar – 90 KW; Terrace Space require – 900.00 m^2.	36.00	1.75	
8.	Fire & Safety	Provide Fire Fighting Systems as per Fire Opinion from AMC and Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.	40.00	3.25	
9.	CER activity	Year – 2024-2025, 2025-2026, 2026-2027, Budget - ₹14.00 Lakhs Installation and maintenance of percolating well to recharge the ground water (₹3,50,000/- x 1 No.) in Bibipur Village (2 Nos.) and Dhamatwan Village (2 Nos.). Year – 2024-2025, 2025-2026, 2026-2027, Budget - ₹8.00 Lakhs Provision of Solar Paneled Street lights installation at Bibipur village (20 Nos. – ₹20,000 per lights) and Dhamatwan village (20 Nos. - ₹20,000 per lights). Year – 2024-2025, 2025-2026, 2026-2027, Budget - ₹65.50 Lakhs Beautification and redevelopment work for existing Dhamatwan lake 33,325.00 m^2 (i.e., Construction of embankment, gate and wall around the pond, Increasing depth of Pond, Tree plantation around the lake).	87.50	0.50	

10.	Amenities/ Occupational Health and amenities	Construction Worker's health checkup, insurance, Providing of amenities facility etc.	5.00	1.00	
		Total	**228.45**	**11.89**	

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on 08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 3 nos of buildings [Basement + Ground Floor + 12 floors].
3. The height of the building shall not be higher than 43.70 mts.
4. The Peripheral margin shall be 6 mts and Internal roads shall be 6 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 12.25 KLD and it shall be met through AMC. No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through soak pit/septic system.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 137.00 KLD, out of which fresh water requirement of 68.00 KLD shall be met through AMC and the remaining 69.00 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 104.00 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of AMC.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 2 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (160 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.
23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the AMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
26. Fire fighting facilities like Fire Extinguishers on each floor, Hose Reel at each floor with 30 m length, Wet Riser opening at each floor, Automatic Sprinkler System, Automatic Smoke Detector, Manually & automatic operated electronic fire alarm system, Fire lift to each block, Fire Pump will be provided to each underground water tank with a capacity to discharge @7.5 bar pressure as measured at the terrace level., Underground water storage tank of 100 KL capacity for each building., Staircase Pressurization System., Lightening Arresters, Photo luminescent (auto glow) signage's, Electric power supply to the entire fire safety system, terrace water tanks of 10 KL capacity each building etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No. of Passenger Lift	No of fire lift	Travel distance (m)
Block-A	Basement + Ground Floor (Parking) + 1st floor to 12th floors (Residential).	480.91	1	2.00	2	1	1	<20
Block-B		480.91	1	2.00	2	1	1	<20
Block-C		641.97	1	2.00	2	1	1	<20
Block – A, B & C are interconnected at Terrace Level.								

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 8,176.61 m^2 (273 CPS) [5,758.00 m^2 in Basement + 1,838.61 m^2 in Hollow Plinth + 580.00 m^2 in open area] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 90 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 1,794.67 m2 comprising of 385.00 m2 tree covered area with 200 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 228.45 Lakhs and Recurring cost of Rs 11.89 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 88 Lakhs as committed before SEAC for activities like Installation and maintenance of percolating well to recharge the ground water (₹3,50,000/- x 1 No.) in Bibipur Village (2 Nos.) and Dhamatwan Village (2 Nos.). Provision of Solar Paneled Street lights installation at Bibipur village (20 Nos. – ₹20,000 per lights) and Dhamatwan village (20 Nos. - ₹20,000 per lights). Beautification and

redevelopment work for existing Dhamatwan lake 33,325.00 m2 (i.e., Construction of embankment, gate and wall around the pond, Increasing depth of Pond, Tree plantation around the lake).

39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

9	**SIA/GJ/INFRA2/442235/2023**	**Artefino** **Survey No: 373/1, 374, O.P. Number: 171, F.P. Number:171, T.P. S. Number:38 , Thaltej, Ahmedabad**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/442235/2023 dated: 20.09.2023.
- This is a proposed Residential building construction project having net plot area of 11050.00 m2, FSI area of 29216.33 m2 and the proposed built-up area of the project is 59380.31 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New
1.2. Proposal no.	SIA/GJ/INFRA2/442235/2023
1.3. Category of Project :	8(a)
1.4. Date of application accepted by SEAC	20.09.2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1, Form-1-A, Conceptual plan, EMP, NA Permissions, Airport NOC, Firefighting opinion etc.
1.6. TOR No. & Date :	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant Name :	Hitendra Kela Mobile No: 9428679533 e-Mail: hitendrakela@gmail.com

1.8. SEAC Meeting No. and Date:	SEAC Meeting No : 708 Date: 16.10.2023

2. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/442235/2023
2.	Name of the project	Proposed Residential project "Artefino"
3.	Address of the Site	Survey No: 373/1, 374, O.P. Number: 171, F.P. Number:171, T.P. S. Number:38 , Thaltej, Ahmedabad
4.	Name of Developer	Mr. Dilipbhai R Patel, Mr. Hasmukhbhai R Patel, Mr. Atulbhai C Patel, Mr. Narendrabhai. C. Patel, Mr. Mahendrabhai C Patel
5.	Estimated Project Cost (Rs. In Crores)	84.00 Cr
6.	Whether construction work has been initiated at site? If yes, details thereof And if No, Date up to which construction has not started.	No, construction work not started till date
7.	Details of Undertaking stating current status of construction at site.	No construction work is started Undertaking submitted
8.	Whether NA permissions of all survey Nos have been obtained, details there of	Yes, Submitted along with application
9.	Site coordinates	(with all coordinates of the polygon) A 23° 03'16.61"N 72°30'35.95"E B 23° 03'16.76"N 72°30'40.91"E C 23° 03'14.32"N 72°30'41.12"E D 23° 03'14.12"N 72°30'36.01"E
10	Project Details	• Land / Plot Area (m^2): 11050.00 • FSI area (m^2): 29216.33 • Total BUA (m^2):59380.31
		Permissible / Proposed

		FSI Area(m^2)	29835.00	29216.33
		Ground Coverage(m^2)	-	7655.34
		Common Plot Area(m^2)	1105.0	1106.02
		Max. building height(m)	45	38.52
11	Airport NOC	Order no: AHME/WEST/B/030623/745766, Dated: 09.03.2023		
12	~~In case of Expansion project/ Amendment project~~	~~Reason of the Expansion~~		
		~~Details of earlier EC obtained for the project~~	~~SEIAA/GUJ/EC/8(a)/..../..... Dated:.....~~	
		~~Compliance of the earlier EC~~	~~Submitted /Not submitted~~	
		~~Status of construction completed on site~~	~~Built up area constructed:~~	
			~~No. of blocks and floors constructed:~~	
		~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~	~~Name of the Authority~~	
			~~Date of order~~	
			~~Builtup area granted~~	
		~~Documentary proof submitted for supporting the expansion of the project.~~	~~Availability of Additional FSI, TDR, Revision in GDCR etc~~	
13	~~In case of Expansion/ Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~		
		~~Condition No.~~	~~Details as per EC Granted~~	~~Details require by the PP~~
14	Building Details	No. of Buildings:	1	
		No. of Blocks:	9	
		Scope of buildings/blocks:	Height: 38.52 m (Basement + Ground Floor/Hollow plinth + 1st Floor (Parking) + 11th floors)	
		No. & size of Residential Units:	Total 323 units [81 to 86 Sq Meter (2 BHK)- 158 units and 73 to 77 Sq Meter (1 BHK)- 158 units- 132.59 Sq Meter (4 BHK) – 7 units]	
		No. & type of Commercial Units:	0	

		Details of amenities if any:	Society offices
15	No. of expected residents / users/	Residents:1938 Commercial: 0 Visitors:500	
16	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE**	
		Water requirement (KL/day):	100 person X 45 Liter/day= 4.5 KLD, Dust suppression 5.0 KL, Curing and construction activity 8.0KL, Total 17.5 KLD
		Source of water/Supply from-	Water supply from Tankers
		CGWA Permission details (if applicable)	No
		Waste water generation quantity (KL/day):	4.5 KLD X 0.80 = 3.6 KLD
		Mode of disposal:	Disposal into underground drainage of Soak Pits
		Details of reuse of water, if any:	No
		OPERATION PHASE	
		Total water Consumption (KL/day):	303.1
		Fresh water requirement (KL/day):	205.99
		Recycle of treated w/w, KL	97.11
		A. Gardening area, m2	1106.02
		B. Flushing KL/day	92.21
		C. Sprinklers (Nos in premises, with pipeline details)	375 m pipeline provided with Two Number Automatic 360 ° Rotating Adjustable Round 3 Arm Lawn Water Sprinkler for Watering Garden and 15 tap provided for trees

			D. Storage tank details for storage of treated domestic waste water in premises	100 KL treated wastewater storage underground tank and 45 KL (9 Block X 5KL) on terrace tank for treated wastewater		
			Source of water:	AMC		
			Total Waste water generation quantity (KL/day):	238.56		
			Treated Waste water to be reused KL/day	97.11		
			Quantity and type (treated/untreated) of water to be discharged:	141.45 Kl/day, Treated water will be discharged through drainage line of AMC.		
			In case of STP provision, capacity of STP:	Yes, 275 KLD		
			STP Technology:	MBBR		
			Provision of dual plumbing system (Yes/No):	Yes		
17	Status of water supply and drainage line and its permission/ acknowledgement details	Available at 300 m from the site				
18	Solid waste Management	**Construction Phase**:				
				Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
			Top Soil	500	500	Will be used for greenbelt development.
			Other excavated earth	24500	8750 m3 will be used for	Remaining will be send to their other project

		back filling	site for filling up of the low lying areas.
Construction debris	550	50 m3 will be used for development of internal road and back filling.	Balance debris will be handed over to AMC (As per C & D Rule)
Steel scrap	50	0	Sold to vendors
Discarded packing materials	30	0	Sold to vendors
Others	12	0	Sold to vendors
Operation Phase:			
Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
Dry waste	407.6	White bins	Sold to vendors
Wet waste	611.4	Green Bins	OWC
STP Sludge	100	Green Bins	OWC
Details of segregation if to be done:		Yes	
Capacity and no. of community bins to be placed within premises:		50 Kg/ bins and 34 Number	

		Landfill site where waste will be ultimately disposed by local authority:	AMC

19 Details on staircase:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)
A	G/HP + 11	380.5	1	2.00	2	1	20
B	G/HP + 11	385.7	1	2.00	2	1	20
C	G/HP + 11	385.7	1	2.00	2	1	20
D	G/HP + 11	385.7	1	2.00	2	1	20
E	G/HP + 11	395.5	1	2.00	2	1	21
F	G/HP + 11	395.5	1	2.00	2	1	21
G	G/HP + 11	395.5	1	2.00	2	1	21
H	G/HP + 11	395.5	1	2.00	2	1	21
I	G/HP + 8	175.5	1	2.00	2	1	16

20	Parking Details	As below:	Sq. mtrs.	CPS
	Total parking area requirement for the project as per GDCR:		5843.26	-
	Parking area requirement for residential units as per GDCR:		5843.26	-
	Parking area requirement for commercial units as per GDCR:			-
	Parking area requirement as per GDCR for (specify in case of any other):		-	-
	Total number of CPS requirement for the project as per NBC		-	323
	Total parking area provided (m^2) & No. of CPS:		19309.37	663
	Parking area provided in basement (m^2) & No. of CPS:		6154.03	193
	Parking area provided in hollow plinth (m^2) & No. of CPS:		7655.34	273
	Parking area provided at 1st Floor (m^2) & No. of CPS:		5500	197
	Number of Visitor parking provided in the project (No. of CPS):		-	140

21	Traffic Management	Width of adjacent public roads:	12.00 m
		Number of Entry & Exit provided on approach road/s:	One Entry and One Exit
		Number of Entry and Exit ramp to the basement:	One Entry and One Exit

		Width of Entry & Exit provided on approach road/s:	6.0 m Entry & 6.0 m Exit	
		Width of the Roads:	Permissible	Proposed
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	6.0	6.0
		Width of all internal roads:	6.0	6.0
22	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & landscape areas –10 solar street lights, 108 KW roof top solar Panel, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation, rain water harvesting & ground water recharge through 03 nos. of percolating wells etc.		
23	Energy Requirement, Source and Conservation	Power supply:	Torrent	
		Maximum demand: Connected load: Source:	1950 KW 2000 KW Torrent	
		Energy saving measures:	Use of LED lighting fixtures and low voltage lighting	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	100 KW (5% of connected load)	108 KW
		No. of solar panels		200
		Capacity of each Solar cell	500 W	540W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	10 Solar lighting in Open and Landscape Areas – 20 W Each

				Total 200W
			Total Solar Power Utilization for Water Pump	48 KW solar power Utilization for Water Pump
			Total Solar Power Utilization for Electric Vehicles Charging points	60 KW power Utilization for Electric Vehicles Charging points
			Other usage	No
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	-	1 X 125 HSD, 25 l/h
24	Electric vehicle charging provision	Total no. of EV Charging points provided	75 EV Charging points provided	
		Parking area designated for EV Charging parking	75 individual EV charging points provided in Basement and HP area	
		Total proposed EV charging capacity	We will provide additional power load equivalent to the power required for all charging points to be operated simultaneously with factor of 1.25	
		Total power requirement to charge Electric Vehicle in kWh/day	Maximum 480 kWh/day	
		Availability of power	Out of 480 KWh/day of power requirement for Charging of Electric Vehicles, 480 kWh/day will be utilized from solar power generation	
25	Fire and Life Safety Measures	**During the construction phase**:		
		Fall Protection	The Contractor is required to provide fall protection to employees who are working at heights equal to or greater than 1.8 m.	

				Fall protection can be in the form of perimeter protection such as guardrails and toe rails, personal protective equipment (PPE), a safety monitoring system, or a fall protection plan. Activities that require personal fall protection systems include steel erection bolting, riveting, fitting-up and plumbing-up, work over water and some deep excavation work. On buildings or structures not adaptable to temporary floors, and where scaffolds are not used, safety nets will be installed and maintained whenever the potential fall distance exceeds two storeys The PPE standard should cover occupational foot, head, hearing, and eye protection	
			Foot Protection	If machines or operations present the potential for foot injury, the Contractor must provide foot protection, which is of safe design and construction for the work to be performed. Workers and visitors should not be allowed on a construction site without safety boots	
			Head Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection	
			Noise Protection	Workers should be wearing hearing protection devices (ear plugs, ear muffs, canal caps) that are in good condition whenever they are involved in noisy activities	
			Eye Protection	When machines or operations present potential eye injury from physical or chemical elements, the Contractor must select, provide, maintain and required affected employees to use appropriate eye protection. Eye protection (safety glasses and goggles, face shields and welding helmets) must be adequate and reasonably comfortable To the greatest extent possible, working surfaces must be kept dry to prevent slips and falls and to reduce the chance of nuisance odors from pooled water All equipment and materials should be stored in designated storage areas that are labeled as such	
			Ladders and Stairs	The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be secured against movement while in use All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement The Contractor should provide a ladder (or stairway) at all work points of access	

				where there is a break in elevation of 0.5 m or more When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders	
			Scaffolds	Access to Scaffolds - access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps Employees must never use make shift devices, such as boxes and barrels, to increase the scaffold platform working level height	
			Access to Scaffolds	The area around the trench/excavation would be kept clear of surface encumbrances. Water should not be allowed to accumulate in the excavation Adjacent structures would be shored in accordance with the design documents to prevent collapse Guardrails or some other means of protecting people from falling into the trench/excavation would be present The trench or excavation would be shored or sloped to prevent cave-ins	
			Trenching and Excavation	The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be secured against movement while in use All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders	
			Electrical Safety	Use electrical gloves and footwear while handling electrical materials as they provide basic safety. Take extra precautions like using a face shield, fire-	

			resistant helmet and protective eyewear and earmuffs while working with wiring or if you are in close contact with electrical equipment.	
		Cranes	A competent person has been designated to supervise activities that require the use of cranes Cranes would not be operated near any power lines All picks would be carefully planned to ensure that the crane adequately hoist the load The hoisting signals would be posted on the exterior of the crane	
		Occupational Noise Exposure	The Contractor should implement engineering controls to reduce noise levels The Contractor should provide hearing protection to employees that are exposed to noise levels above the permissible limit	
		Welding and Cutting	The Contractor's employees would be trained in hot work procedures. There should be adequate ventilation to reduce the build up of metal fume The hot work operators would use proper personal protective equipment (i.e., welding helmet, burning goggles, face shield, welding gloves, and apron) There would be a fire extinguisher present at all welding and burning activities Extinguishers would also be placed at locations where slag and sparks may fall. Oxygen and flammable gas bottles are separated by at least 7 m when not in use The Contractor would control the release of gases, vapors, fumes, dusts, and mists with engineering controls (e.g., adequate ventilation)	
		Registration of Establishment under the Building and other construction workers (regulation of employment & conditions of services) Act 1996	Registered contractor will be hired before construction as per Building and other construction workers (regulation of employment & conditions of services) Act 1996	
		Others	No	
		During the operation phase”	Fire safety measures	Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm

				system, automatic sprinkler system in basement, Shops, 1st Floor and HP
			Capacity of Underground fire water tank	300 KL
			Capacity of Overhead fire water tank	Toral 180 KL
		Status of fire opinion obtained for the project, submit details	Yes, Fire opinion submitted along with application Fire Opinion No: OPN117120032023, Dated: 20.03.2023	
		Nearest fire station, distance & time required for the fire tender to reach at the project site :	Thaltej Fire station is ~ 1.2 km in W direction and The Fire Tender will take @ 10 minutes to reach the Project site during emergency	
26	Rain Water Harvesting (RWH)	Level of the Ground water table:	32 m	
		RWH/Percolation well details:	Required	Provided
		No. of RWH tank(s)	03	03
		Dimensions of RWH tank(s) :	-	2.5mx2.0mx3.0m
		No. of percolations wells :	03	03
		Depth of percolations wells :	-	32 m
		Details on Pre-treatment facilities	oil and grease removal and filter	oil and grease removal and filter
27	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided

		Tree covered area (m^2) :	-	550
		Area covered by shrubs and bushes (m^2):	-	56.02
		Lawn covered area (m^2):	-	500
		Total Green Area (m^2):	1105.0	1106.02
		No. of trees and species to be planted:	277 As per CGDCR	277 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, Saptaparni , Borsali and Gulmohar
28	Basic amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, welfare facilities as per the Gujarat Building & Other Construction Workers Rules. Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. Toilets and urinals would be provided.		
29	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**	
		Air	During Construction Phase: Dust Mitigation Measures (Dust suppression by spraying of water and Peripheral barricading of 3m height)	

				During Operation Phase: DG sets Stack and DG room
			Noise Control	During Construction phase: Acoustic mufflers / enclosures to be provided in large engines/machineries Implement good working practices, ear plugs, ear muffs, canal caps During Operation Phase: Acoustic Enclosure will be provided around D.G. Set Proper Traffic Signage will be placed at several places within premises
			Water	During Construction phase: Septic tank and soak pits will be provide During Operation Phase: 275 KLD – MBBR Type STP, Area Require – 110 Sq. m.,
			Solid and hazardous waste management	During Construction phase: Solid and hazardous waste will be storage separately for temporary period. Waste will be handedover to Vendor/municipal solid waste collection team During Operation Phase: 1000 Kg/day - OWC
			Environment monitoring	During Construction phase: Ambient air and Noise level will be monitoring at Six month interval for Three location or as per EC condition During Operation Phase: Ambient air and Noise level will be monitoring at Six month interval for Three location or as per EC condition
			Rain water	Collection system, treatment and recharge well – 03 nos. P. W.C.
			Green belt	277 nos. Trees and 556.02 Sq meter Lawn Area Development
			Solar Energy	Roof Top Solar – 108 KW; Terrace Space require – 1100 Sq.m.

<table>
<tr><td></td><td></td><td></td><td>Fire & Safety</td><td>During Construction Phase: Safety Equipment and PPE's will be provided to workers during Construction Phase. Fall Protection, Safety Net , Ladders and Stairs Scaffolds, Trenching and Excavation Electrical Safety, Welding and Cutting
During Operation Phase: Provide Fire Fighting Systems as per Fire Opinion from AMC and Fire and Safety</td><td></td></tr>
<tr><td></td><td></td><td></td><td>CER</td><td>
<table>
<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Activity</th><th colspan="4">Total (Rs. in Lacs)</th></tr>
<tr><th>1st Year</th><th>2nd year</th><th>3rd Year</th><th>Total</th></tr>
<tr><td>1</td><td>Provide Fund for Green belt development, Landscape Area (Rs. 13,00,000) at AMC Vasahat Garden tree plantation (500 trees with Tree Guards – Rs. 15,75,000) and 30 Solar Lights (Rs. 12,00,000) maintenance for next Five years (Rs. 10.0 Lac)</td><td>15.0</td><td>15.0</td><td>10.75</td><td>40.75+10.0</td></tr>
<tr><td>2</td><td>Solar Panel installation with infrastructure , Sanitation facilities at Government Primary School, Thaltej. (Rs. 25,00,000)</td><td>10.0</td><td>5.0</td><td>10.0</td><td>25.0</td></tr>
<tr><td>3</td><td>Solar Panel installation with infrastructure at Hebatpur Sub Center Government Primary Health Center. (Rs. 20,00,000)</td><td>5.0</td><td>10.0</td><td>5.0</td><td>20.0</td></tr>
<tr><td>4</td><td>Tree Plantation with tree guards (750 Nos – Rs.19,75,000) on adjoining 12.0 m roads. 40 nos Solar street lights on both sides road (Rs, 18,00,000)</td><td>10.0</td><td>12.0</td><td>15.75</td><td>37.75</td></tr>
<tr><td>5</td><td>Provide Fund for Green belt development, Landscape Area (Rs. 5,00,000) at Bal Krindangan, Hebatpur and tree plantation (350 trees with Tree Guards – Rs. 10,50,000) and 30 Solar Lights (Rs. 12,00,000) and</td><td>5.0</td><td>10.0</td><td>12.5</td><td>27.5+7.0</td></tr>
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				maintenance for next Five years (Rs. 7.0 Lac)			
				Total	45	52	54	168
		Amenities/ Occupational health center.	Providing of amenities facility for worker (Sanitation, Drinking water etc) Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. • Toilets and urinals would be provided.				

30	Budgetery provision of Environment Management plan	**Sr. No**	**Head**	**Basis for cost estimates**	**Total Capital cost (Rs. In lacs) (Construction and operation phase)**	**Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)**	**Implementation Plan For Capital Expenditure**
		1.	Air	Dust Mitigation Measures (Dust suppression by spraying of water and Peripheral barricading of 3m height)……	18.0	1.0	During Construction Phase
				Stack and DG room, 125 KVA	3.0	0.5	Before Operation Phase
		2	Noise Control	Acoustic mufflers / enclosures to be provided in large engines/machineries	9.0	0.5	During Construction Phase

					Implement good working practices			
					Acoustic Enclosure will be provided around D.G. Set Proper Traffic Signage will be placed at several places within premises	3.0	0.5	Before Operation Phase
			3.	Water	275 KLD – MBBR Type STP, Area Require –110 Sq. m.,	35.0	2.5	Before Operation Phase
			4.	Solid and hazardous waste management	1000 Kg/Day – Automatic OWC Area require – 19 Sq.m.	18.0	2.5	Before Operation Phase
			5.	Environment monitoring	The recurring cost would be incurred on hiring of consult-ants and payment of various statutory fees to regulatory agencies. Purchase of Air/ Noise related instruments as capital cost	2.5	2.5	Construction and Operation Phase
			6.	Rain water	Collection system, treatment and recharge well - 03 nos. P. W.C.	3.0	0.2	Before Operation Phase
			7.	Green belt	277 nos. Trees and 556.02 Sq meter Lawn Area Development	4.0	1.0	Before Operation Phase
			8.	Solar Energy	Roof Top Solar – 108 KW; Terrace Space require 1100 Sq.m.	50.0	0.5	Before Operation Phase
			9.	Fire & Safety	Provide Fire Fighting Systems as per Fire Opinion from AMC and Fire and Safety	225	0.5	Before Operation Phase
					Safety Equipment and PPE's will be provided to workers during Construction Phase. Fall Protection, Safety	14.0	0.5	Construction phase

					Net , Ladders and Stairs Scaffolds, Trenching and Excavation Electrical Safety, Welding and Cutting						
			10.	CER	Sr. No.	Activity	Total (Rs. in Lacs)				Within three Year
							1st Year	2nd year	3rd Year	Total	
					1	Provide Fund for Green belt development, Landscape Area (Rs. 13,00,000) at AMC Vasahat Garden tree plantation (500 trees with Tree Guards – Rs. 15,75,000) and 30 Solar Lights (Rs. 12,00,000) maintenance for next Five years (Rs. 10.0 Lac)	15.0	15.0	10.75	40.75+10.0	
					2	Solar Panel installation with infrastructure , Sanitation facilities at Government Primary School, Thaltej. (Rs. 25,00,000)	10.0	5.0	10.0	25.0	
					3	Solar Panel installation with infrastructure at Hebatpur Sub Center Government Primary Health Center. (Rs. 20,00,000)	5.0	10.0	5.0	20.0	
					4	Tree Plantation with tree guards (750 Nos – Rs.19,75,000) on adjoining 12.0 m roads. 40 nos Solar street lights on both sides road (Rs, 18,00,000)	10.0	12.0	15.75	37.75	
					5	Provide Fund for Green belt development, Landscape Area (Rs. 5,00,000) at Bal Krindangan, Hebatpur and tree plantation (350 trees with Tree Guards – Rs.	5.0	10.0	12.5	27.5+7.0	

					10,50,000) and 30 Solar Lights (Rs. 12,00,000) and maintenance for next Five years (Rs. 7.0 Lac)					
					Total	45	52	54	168	
			11.	Amenities/ Occupational health center	Providing of amenities facility for worker (Sanitation, Drinking water etc) Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. • Toilets and urinals would be provided.	8	0.5			During construction phase
			Total			560.5	13.2			

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on 08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 1 nos of buildings [Basement + Ground Floor/Hollow plinth + 11 floors].
3. The height of the building shall not be higher than 38.52 mts.
4. The Peripheral margin shall be 6 mts and Internal roads shall be 6 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 17.5 KLD and it shall be met through Tankers . No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through Soak Pit.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act

1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.

13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 303.1 KLD, out of which fresh water requirement of 205.99 KLD shall be met through AMC and the remaining 97.11 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 238.56 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of AMC.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 03 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (125 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.

23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the AMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
26. Firefighting facilities like Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system, automatic sprinkler system in basement, Shops, 1st Floor and HP, terrace water tanks of total 180 KL capacity, underground water tank of 300 KL, etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)
A	G/HP + 11	380.5	1	2.00	2	1	20
B	G/HP + 11	385.7	1	2.00	2	1	20
C	G/HP + 11	385.7	1	2.00	2	1	20
D	G/HP + 11	385.7	1	2.00	2	1	20
E	G/HP + 11	395.5	1	2.00	2	1	21
F	G/HP + 11	395.5	1	2.00	2	1	21
G	G/HP + 11	395.5	1	2.00	2	1	21
H	G/HP + 11	395.5	1	2.00	2	1	21
I	G/HP + 8	175.5	1	2.00	2	1	16

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.

31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 19309.37 m^2 (663 CPS) [6154.03 m^2 in Basement + 7655.34 m^2 in Hollow Plinth + 5500 m^2 on First Floor] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 108 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 1106.02 m2 comprising of 550 m2 tree covered area with 277 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 560.5 Lakhs and Recurring cost of Rs 13.2 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 168 Lakhs as committed before SEAC for activities like Provide Fund for Green belt development, Landscape Area (Rs. 13,00,000) at AMC Vasahat Garden tree plantation (500 trees with Tree Guards – Rs. 15,75,000) and 30 Solar Lights (Rs. 12,00,000) maintenance for next Five years (Rs. 10.0 Lac) Solar Panel installation with infrastructure , Sanitation facilities at Government Primary School, Thaltej. (Rs. 25,00,000) Solar Panel installation with infrastructure at Hebatpur Sub Center Government Primary Health Center. (Rs. 20,00,000) Tree Plantation with tree guards (750 Nos – Rs.19,75,000) on adjoining 12.0 m roads. 40 nos Solar street lights on both sides road (Rs, 18,00,000) Provide Fund for Green belt development, Landscape Area (Rs. 5,00,000) at Bal Krindangan, Hebatpur and tree plantation (350 trees with Tree Guards – Rs. 10,50,000) and 30 Solar Lights (Rs. 12,00,000) and maintenance for next Five years (Rs. 7.0 Lac).

39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

10	**SIA/GJ/INFRA2/442250/2023**	**Shreeya Amazia** **Survey Number 463, O.P. Number 39, F.P. Number: 39, T.P. S. Number: 9/A, Sargasan, Gandhinagar**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/442250/2023 dated 20.09.2023.
- This is a proposed Residential cum commercial building construction project having net plot area of 8681.00 m2, FSI area of 34716.54 m2 and the proposed built-up area of the project is 60893.16 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New
1.2. Proposal no.	SIA/GJ/INFRA2/442250/2023
1.3. Category of Project :	8(a)
1.4. Date of application accepted by SEAC	20.09.2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1, Form-1-A, Conceptual plan, EMP, NA Permissions, Airport NOC, Firefighting opinion etc.
1.6. TOR No. & Date :	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant Name :	Hitendra Kela Mobile No: 9428679533 e-Mail: hitendrakela@gmail.com
1.8. SEAC Meeting No. and Date:	SEAC Meeting No : 708

	Date: 16.10.2023

2. Salient features of the project:

Sr No.	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/442250/2023
2.	Name of the project	Proposed Residential cum commercial project "Shreeya Amazia"
3.	Address of the Site	Survey Number 463, O.P. Number 39, F.P. Number: 39, T.P. S. Number: 9/A, Sargasan, Gandhinagar
4.	Name of Developer	Mr. Ravi J Brahmbhatt
5.	Estimated Project Cost (Rs. In Crores)	102.00 Cr
6.	Whether construction work has been initiated at site? If yes, details thereof And if No, Date up to which construction has not started.	No, construction work not started till date
7.	Details of Undertaking stating current status of construction at site.	No construction work is started Undertaking submitted
8.	Whether NA permissions of all survey Nos have been obtained, details there of	Yes, Submitted along with application
9.	Site coordinates	(with all coordinates of the polygon) A 23° 11'40.62"N 72°36'43.24"E B 23° 11'41.07"N 72°36'45.61"E C 23° 11'41.10"N 72°36'47.02"E D 23° 11'38.06"N 72°36'47.06"E E 23° 11'38.12"N 72°36'43.67"E
10	Project Details	• Land / Plot Area (m^2): 8681.00 • FSI area (m^2): 34716.54 • Total BUA (m^2):60893.16

	Permissible	Proposed
FSI Area(m^2)	34724.00	34716.54
Ground Coverage(m^2)	-	5805.84

		Common Plot Area(m^2)	868.1	1923.36
		Max. building height(m)	70	70
11	Airport NOC	Order no: AHME/WEST/B/111122/725837, Dated: 18.11.2022		
12	~~In case of Expansion project/ Amendment project~~	~~Reason of the Expansion~~		
		~~Details of earlier EC obtained for the project~~	~~SEIAA/GUJ/EC/8(a)/..../..... Dated:.....~~	
		~~Compliance of the earlier EC~~	~~Submitted /Not submitted~~	
		~~Status of construction completed on site~~	~~Built up area constructed:~~	
			~~No. of blocks and floors constructed:~~	
		~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~	~~Name of the Authority~~	
			~~Date of order~~	
			~~Builtup area granted~~	
		~~Documentary proof submitted for supporting the expansion of the project.~~	~~Availability of Additional FSI, TDR, Revision in GDCR etc~~	
13	~~In case of Expansion/ Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~		
		~~Condition No.~~	~~Details as per EC Granted~~	~~Details require by the PP~~
14	Building Details	No. of Buildings:	1	
		No. of Blocks:	4	
		Scope of buildings/blocks:	Height: 70 m ((Basement + G/HP+ Podium (Soc Office) + 20 Floor))	
		No. & size of Residential Units:	Total 232 units [120.56 Sq Meter (3 BHK)- 156 units and 160.75 Sq Meter (4 BHK)- 76 units]	
		No. & type of Commercial Units:	24 shops	
		Details of amenities if any:	Society offices	
15	No. of expected	Residents:1392		

	residents / users/	Commercial: 48 Visitors:300	
16	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE**	
		Water requirement (KL/day):	100 person X 45 Liter/day= 4.5 KLD, Dust suppression 5.0 KL, Curing and construction activity 8.0KL, Total 17.5 KLD
		Source of water/Supply from-	Water supply from Tankers
		CGWA Permission details (if applicable)	No
		Waste water generation quantity (KL/day):	4.5 KLD X 0.80 = 3.6 KLD
		Mode of disposal:	Disposal into underground drainage of Soak Pits
		Details of reuse of water, if any:	No
		OPERATION PHASE	
		Total water Consumption (KL/day):	224.11
		Fresh water requirement (KL/day):	148.62
		Recycle of treated w/w, KL	75.49
		A. Gardening area, m2	1923.36
		B. Flushing KL/day	66.84
		C. Sprinklers (Nos in premises, with pipeline details)	250 m pipeline provided with Two Number Automatic 360 ° Rotating Adjustable Round 3 Arm Lawn Water Sprinkler for Watering Garden and 10 tap provided for trees

			D. Storage tank details for storage of treated domestic waste water in premises	75 KL treated wastewater storage underground tank and 40 KL (4 Block X 10KL) on terrace tank for treated wastewater		
			Source of water:	GMC		
			Total Waste water generation quantity (KL/day):	172.37		
			Treated Waste water to be reused KL/day	75.49		
			Quantity and type (treated/untreated) of water to be discharged:	96.88 Kl/day, Treated water will be discharged through drainage line of GMC.		
			In case of STP provision, capacity of STP:	Yes, 200 KLD		
			STP Technology:	MBBR		
			Provision of dual plumbing system (Yes/No):	Yes		
17	Status of water supply and drainage line and its permission/ acknowledgement details	Available at 200 m from the site				
18	Solid waste Management	**Construction Phase**:				
				Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
			Top Soil	400	400	Will be used for greenbelt development.
			Other excavated earth	39600	14000 m3 will be used for	Remaining will be send to their other project site for

				back filling	filling up of the low lying areas.
		Construction debris	600	100 m3 will be used for development of internal road and back filling.	Balance debris will be handed over to GMC (As per C & D Rule)
		Steel scrap	100	0	Sold to vendors
		Discarded packing materials	30	0	Sold to vendors
		Others	10	0	Sold to vendors
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/ day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	294.24	White bins	Sold to vendors
		Wet waste	441.36	Green Bins	OWC
		STP Sludge	80	Green Bins	OWC
		Details of segregation if to be done:		Yes	
		Capacity and no. of community bins to be placed within premises:		50 Kg/ bins and 28 Number	

		Landfill site where waste will be ultimately disposed by local authority:	GMC

19 Details on staircase:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)
A	G/HP + Podium + 20	632.24	2	2.00	4	1	22
B	G/HP + Podium + 20	632.24	2	2.00	4	1	22
C	G/HP + Podium + 20	488.40	1	2.00	2	1	21
D	G/HP + Podium + 20	488.40	1	2.00	2	1	21

20 Parking Details	As below:	Sq. mtrs.	CPS
Total parking area requirement for the project as per GDCR:		7335.57	-
Parking area requirement for residential units as per GDCR:		6681.8	-
Parking area requirement for commercial units as per GDCR:		653.77	-
Parking area requirement as per GDCR for (specify in case of any other):		-	-
Total number of CPS requirement for the project as per NBC		-	256
Total parking area provided (m^2) & No. of CPS:		12272.14	406
Parking area provided in basement (m^2) & No. of CPS:		7372.14	231
Parking area provided in hollow plinth (m^2) & No. of CPS:		4900	175
Parking area provided as open surface (m^2) & No. of CPS:		0	0
Number of Visitor parking provided in the project (No. of CPS):		-	82

21 Traffic Management		
	Width of adjacent public roads:	18.0 m
	Number of Entry & Exit provided on approach road/s:	One Entry and One Exit
	Number of Entry and Exit ramp tothe basement:	One Entry and One Exit
	Width of Entry & Exit provided on	8.0 m Entry & 8.0 m Exit

		approach road/s:		
		Width of the Roads:	Permissible	Proposed
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	8.0	8.0
		Width of all internal roads:	8.0	8.0
22	Details of Green Building measures proposed.	Maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & landscape areas –10 solar street lights, 88 KW roof top solar Panel, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation, rain water harvesting & ground water recharge through 03 nos. of percolating wells etc.		
23	Energy Requirement, Source and Conservation	Power supply:	UGVCL	
		Maximum demand: Connected load: Source:	1650 KW 1700 KW UGVCL	
		Energy saving measures:	Use of LED lighting fixtures and low voltage lighting	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	85 KW (5% of connected load)	88 KW
		No. of solar panels		163
		Capacity of each Solar cell	500 W	540W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	10 Solar lighting in Open and Landscape Areas – 20 W

				Each Total 200W
			Total Solar Power Utilization for Water Pump	23 KW solar power Utilization for Water Pump
			Total Solar Power Utilization for Electric Vehicles Charging points	65 KW power Utilization for Electric Vehicles Charging points
			Other usage	No
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	-	1 X 160 HSD, 35 l/h
24	Electric vehicle charging provision	Total no. of EV Charging points provided	80 EV Charging points provided	
		Parking area designated for EV Charging parking	80 individual EV charging points provided in Basement and HP area	
		Total proposed EV charging capacity	We will provide additional power load equivalent to the power required for all charging points to be operated simultaneously with factor of 1.25	
		Total power requirement to charge Electric Vehicle in kWh/day	Maximum 500 kWh/day	
		Availability of power	Out of 500 KWh/day of power requirement for Charging of Electric Vehicles, 500 kWh/day will be utilized from solar power generation	
25		**During the construction phase**:		

		Fire and Life Safety Measures	Fall Protection	The Contractor is required to provide fall protection to employees who are working at heights equal to or greater than 1.8 m. Fall protection can be in the form of perimeter protection such as guardrails and toe rails, personal protective equipment (PPE), a safety monitoring system, or a fall protection plan. Activities that require personal fall protection systems include steel erection bolting, riveting, fitting-up and plumbing-up, work over water and some deep excavation work. On buildings or structures not adaptable to temporary floors, and where scaffolds are not used, safety nets will be installed and maintained whenever the potential fall distance exceeds two storeys The PPE standard should cover occupational foot, head, hearing, and eye protection	
			Foot Protection	If machines or operations present the potential for foot injury, the Contractor must provide foot protection, which is of safe design and construction for the work to be performed. Workers and visitors should not be allowed on a construction site without safety boots	
			Head Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection	
			Noise Protection	Workers should be wearing hearing protection devices (ear plugs, ear muffs, canal caps) that are in good condition whenever they are involved in noisy activities	
			Eye Protection	When machines or operations present potential eye injury from physical or chemical elements, the Contractor must select, provide, maintain and required affected employees to use appropriate eye protection. Eye protection (safety glasses and goggles, face shields and welding helmets) must be adequate and reasonably comfortable To the greatest extent possible, working surfaces must be kept dry to prevent slips and falls and to reduce the chance of nuisance odors from pooled water All equipment and materials should be stored in designated storage areas that are labeled as such	
			Ladders and Stairs	The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be	

				secured against movement while in use All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders	
			Scaffolds	Access to Scaffolds - access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps Employees must never use make shift devices, such as boxes and barrels, to increase the scaffold platform working level height	
			Access to Scaffolds	The area around the trench/excavation would be kept clear of surface encumbrances. Water should not be allowed to accumulate in the excavation Adjacent structures would be shored in accordance with the design documents to prevent collapse Guardrails or some other means of protecting people from falling into the trench/excavation would be present The trench or excavation would be shored or sloped to prevent cave-ins	
			Trenching and Excavation	The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be secured against movement while in use All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more When there is only one point of access between levels, it	

				must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders	
			Electrical Safety	Use electrical gloves and footwear while handling electrical materials as they provide basic safety. Take extra precautions like using a face shield, fire-resistant helmet and protective eyewear and earmuffs while working with wiring or if you are in close contact with electrical equipment.	
			Cranes	A competent person has been designated to supervise activities that require the use of cranes Cranes would not be operated near any power lines All picks would be carefully planned to ensure that the crane adequately hoist the load The hoisting signals would be posted on the exterior of the crane	
			Occupational Noise Exposure	The Contractor should implement engineering controls to reduce noise levels The Contractor should provide hearing protection to employees that are exposed to noise levels above the permissible limit	
			Welding and Cutting	The Contractor's employees would be trained in hot work procedures. There should be adequate ventilation to reduce the build up of metal fume The hot work operators would use proper personal protective equipment (i.e., welding helmet, burning goggles, face shield, welding gloves, and apron) There would be a fire extinguisher present at all welding and burning activities Extinguishers would also be placed at locations where slag and sparks may fall. Oxygen and flammable gas bottles are separated by at least 7 m when not in use The Contractor would control the release of gases, vapors, fumes, dusts, and mists with engineering controls (e.g., adequate ventilation)	
			Registration of Establishment under the Building and other construction workers	Registered contractor will be hired before construction as per Building and other construction workers (regulation of employment & conditions of services) Act 1996	

		(regulation of employment & conditions of services) Act 1996			
		Others	No		
		During the operation phase"	Fire safety measures		Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system, automatic sprinkler system in basement, Shops, 1st Floor and HP
			Capacity of Underground fire water tank		250 KL
			Capacity of Overhead fire water tank		Toral 80 KL
		Status of fire opinion obtained for the project, submit details	Yes, Fire opinion submitted along with application Fire Opinion No: GMC/GFES/PREE-NOC/R-7/182/2023, Dated: 17.07.2023		
		Nearest fire station, distance & time required for the fire tender to reach at the project site :	Gandhinagar Fire station is ~ 5.5 km in NE direction and The Fire Tender will take @ 15 minutes to reach the Project site during emergency		
26	Rain Water Harvesting (RWH)	Level of the Ground water table:	35 m		
		RWH/Percolation well details:	Required		Provided
		No. of RWH tank(s)	03		03

		Dimensions of RWH tank(s) :	-	2.5mx2.0mx3.0m
		No. of percolations wells :	03	03
		Depth of percolations wells :	-	35 m
		Details on Pre-treatment facilities	oil and grease removal and filter	oil and grease removal and filter
27	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2) :	-	550
		Area covered by shrubs and bushes (m^2):	-	73.36
		Lawn covered area (m^2):	-	1300
		Total Green Area (m^2):	868.1	1923.36
		No. of trees and species to be planted:	218 As per CGDCR	218 number of trees and Limbdo, KaadoSiris, Jambu, Asopalav, Saptaparni , Borsali and Gulmohar
28	Basic amenities to be provided to construction workers.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, welfare facilities as per the Gujarat Building & Other Construction Workers Rules. Appoint approved contractor for Registration of Workers		

		• Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. Toilets and urinals would be provided.	
29	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**
		Air	During Construction Phase: Dust Mitigation Measures (Dust suppression by spraying of water and Peripheral barricading of 3m height) During Operation Phase: DG sets Stack and DG room
		Noise Control	During Construction phase: Acoustic mufflers / enclosures to be provided in large engines/machineries Implement good working practices, ear plugs, ear muffs, canal caps During Operation Phase: Acoustic Enclosure will be provided around D.G. Set Proper Traffic Signage will be placed at several places within premises
		Water	During Construction phase: Septic tank and soak pits will be provide During Operation Phase: 200 KLD – MBBR Type STP, Area Require – 80 Sq. m.,
		Solid and hazardous waste management	During Construction phase: Solid and hazardous waste will be storage separately for temporary period. Waste will be handedover to Vendor/municipal solid waste collection team

<table>
<tr><td></td><td></td><td></td><td></td><td>During Operation Phase: 1000 Kg/day - OWC</td></tr>
<tr><td></td><td></td><td></td><td>Environment monitoring</td><td>During Construction phase: Ambient air and Noise level will be monitoring at Six month interval for Three location or as per EC condition

During Operation Phase: Ambient air and Noise level will be monitoring at Six month interval for Three location or as per EC condition</td></tr>
<tr><td></td><td></td><td></td><td>Rain water</td><td>Collection system, treatment and recharge well – 03 nos. P. W.C.</td></tr>
<tr><td></td><td></td><td></td><td>Green belt</td><td>218 nos. Trees and 1373.36 Sq meter Lawn Area Development</td></tr>
<tr><td></td><td></td><td></td><td>Solar Energy</td><td>Roof Top Solar – 88 KW;
Terrace Space require – 900 Sq.m.</td></tr>
<tr><td></td><td></td><td></td><td>Fire & Safety</td><td>During Construction Phase: Safety Equipment and PPE’s will be provided to workers during Construction Phase. Fall Protection, Safety Net , Ladders and Stairs Scaffolds, Trenching and Excavation Electrical Safety, Welding and Cutting
During Operation Phase: Provide Fire Fighting Systems as per Fire Opinion from GMC and Fire and Safety</td></tr>
<tr><td></td><td></td><td></td><td>CER</td><td>
<table>
<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Activity</th><th colspan="4">Total (Rs. in Lacs)/year</th></tr>
<tr><th>1st</th><th>2nd</th><th>3rd</th><th>Total</th></tr>
<tr><td>1</td><td>Provide Fund for Green belt and landscaping at Sector 4A, 4B Gandhinagar and maintenance for next Five years (Rs. 10 Lac) (Minimum 2500 No of trees)</td><td>15</td><td>15</td><td>18</td><td>48.0

10.0</td></tr>
<tr><td>2</td><td>Provide fund for development & Beautification of GMC garden by planting</td><td>5</td><td>15</td><td>10</td><td>30.0</td></tr>
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</td></tr>
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					1000 trees, solar street lights location: Raheja road, TPS 3, Kudasan, Gandhinagar And maintenance for next Five years (Rs. 5 Lac)			5.0
				3	Provide fund for developing green circle at Bhaijipura cross roads and maintenance for next Five years (Rs. 5 Lac)	10	10	10	30.05.0
				4.	Provide fund for development & Beautification of GMC garden by planting 750 trees, solar street lights location: kudasan - PDPU road, TPS 3, Kudasan, Gandhinagar and maintenance for next Five years (Rs. 5 Lac)	5	5	10	20.05.0
					Total	35	45	48	153
			Amenities/ Occupational health center.	Providing of amenities facility for worker (Sanitation, Drinking water etc) Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up • Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. • Toilets and urinals would be provided.				
30	Budgetery provision of Environment Management plan		**Sr. No**	**Head**	**Basis for cost estimates**	**Total Capital cost (Rs. In lacs) (Construc**	**Total Recurring cost per annum (Rs. in lacs)**		**Implementation Plan For Capital Expenditure**

						tion and operation phase)	**(Construction and operation phase)**			
			1.	Air	Dust Mitigation Measures (Dust suppression by spraying of water and Peripheral barricading of 3m height)……	18.0	1.0	During Construction Phase		
					Stack and DG room, 160 KVA	3.0	0.5	Before Operation Phase		
			2	Noise Control	Acoustic mufflers / enclosures to be provided in large engines/machineries Implement good working practices	12.0	0.5	During Construction Phase		
					Acoustic Enclosure will be provided around D.G. Set Proper Traffic Signage will be placed at several places within premises	3.0	0.5	Before Operation Phase		
			3.	Water	200 KLD – MBBR Type STP, Area Require –80 Sq. m.,	30.0	2.5	Before Operation Phase		
			4.	Solid and hazardous waste management	1000 Kg/Day – Automatic OWC Area require – 19 Sq.m.	18.0	2.5	Before Operation Phase		
			5.	Environment monitoring	The recurring cost would be incurred on hiring of consult- ants and	2.2	2.5	Construction and Operation Phase		

				payment of various statutory fees to regulatory agencies. Purchase of Air/ Noise related instruments as capital cost			
			6.	Rain water	Collection system, treatment and recharge well - 03 nos. P. W.C.	3.0	0.5	Before Operation Phase
			7.	Green belt	218 nos. Trees and 1373.36 Sq meter Lawn Area Development	3.0	1.0	Before Operation Phase
			8.	Solar Energy	Roof Top Solar – 88 KW; Terrace Space require 900 Sq.m.	41.0	0.5	Before Operation Phase
			9.	Fire & Safety	Provide Fire Fighting Systems as per Fire Opinion from GMC and Fire and Safety	275	1.0	Before Operation Phase
					Safety Equipment and PPE's will be provided to workers during Construction Phase. Fall Protection, Safety Net , Ladders and Stairs Scaffolds, Trenching and Excavation Electrical Safety, Welding and Cutting	14.0	0.5	Constructio n phase
			10.	CER				Within three Year

Sr. No.	Activity	Total (Rs. in Lacs)/year			
		1st	2nd	3rd	Total
1	Provide Fund for Green belt and landscaping at Sector 4A, 4B Gandhinagar and maintenance for next Five years (Rs. 10 Lac) (Minimum 2500 No of trees)	15	15	18	48.0 10.0

					2	Provide fund for development & Beautification of GMC garden by planting 1000 trees, solar street lights location: Raheja road, TPS 3, Kudasan, Gandhinagar And maintenance for next Five years (Rs. 5 Lac)	5	15	10	30.05.0	
					3	Provide fund for developing green circle at Bhaijipura cross roads and maintenance for next Five years (Rs. 5 Lac)	10	10	10	30.05.0	
					4.	Provide fund for development & Beautification of GMC garden by planting 750 trees, solar street lights location: kudasan - PDPU road, TPS 3, Kudasan, Gandhinagar and maintenance for next Five years (Rs. 5 Lac)	5	5	10	20.05.0	
						Total	35	45	48	153	
			11.	Amenities/ Occupational health center	Providing of amenities facility for worker (Sanitation, Drinking water etc) Appoint approved contractor for Registration of Workers • Insurance of Workers • Periodically Health Check up	8	0.5				During construction phase

				• Fix hours for normal working day • Maintenance of registers and records • Drinking water facility would be provided. • Toilets and urinals would be provided.				
		Total			583.2	14.0		

- Committee deliberated on the following:

  - ✓ PP was asked to submit revised CER details and submit compliance of Fire Opinion.
  - ✓ PP replied vide their email dated 17-10-2023 and submitted the revised CER details and Compliance of Fire opinion.

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on 08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.

2. The project proponent shall construct 1 nos of buildings [Basement + Ground floor / HP + Podium + 20 Floors].
3. The height of the building shall not be higher than 70 mts.
4. The Peripheral margin shall be 08 mts and Internal roads shall be 08 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.
6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 17.5 KLD and it shall be met through Tankers . No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through Soak Pit.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 224.11 KLD, out of which fresh water requirement of 148.62 KLD shall be met through GMC and the remaining 75.49 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.

15. Sewage generation during operation phase shall not exceed 172.37 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of GMC.
17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 03 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (160 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.
23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the GMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.

26. Firefighting facilities like Fire extinguishers, hose reel, wet riser, manually operated electric fire alarm system, automatic sprinkler system in basement, Shops, 1st Floor and HP, terrace water tanks of total 80 KL capacity, underground water tank of 250 KL, etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)
A	G/HP + Podium + 20	632.24	2	2.00	4	1	22
B	G/HP + Podium + 20	632.24	2	2.00	4	1	22
C	G/HP + Podium + 20	488.40	1	2.00	2	1	21
D	G/HP + Podium + 20	488.40	1	2.00	2	1	21

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 12272.14 m^2 (406 CPS) [7372.14 m^2 in Basement + 4900 m^2 in Hollow Plinth] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 88 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 1923.36 m2 comprising of 550 m2 tree covered area with 218 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 583.2 Lakhs and Recurring cost of Rs 14.0 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 153 Lakhs as committed before SEAC for activities like Provide Fund for Green belt and landscaping at Sector 4A, 4B Gandhinagar and maintenance for next Five years (Rs. 10 Lac) (Minimum 2500 No of trees) Provide fund for development & Beautification of GMC garden by planting 1000 trees, solar street lights location: Raheja road, TPS 3, Kudasan, Gandhinagar And maintenance for next Five years (Rs. 5 Lac) Provide fund for developing green circle at Bhaijipura cross roads and maintenance for next Five years (Rs. 5 Lac).
39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC,

MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com

11	**SIA/GJ/INFRA2/442535/2023**	**Gulmohar The Garden Living** **F.P. No. 16/1, T.P.S. No. 110 (Nikol-Kathwada)(Final), (R.S.NO:-383/1) (O.P. No. 16/1), Moje: Nikol, Ta: Asarva, Dist: Ahmedabad**	**EC-New**

- This office has received an application for Environment Clearance of the above project vide proposal no. SIA/GJ/INFRA2/442535/2023 dated: 20/09/2023.
- This is a proposed Residential building construction project having net plot area of 6677.00 m2, FSI area of 26039.90 m2 and the proposed built-up area of the project is 43688.54 m2, As the built-up area is >20,000 m2 and <1,50,000 m2, it falls in the category 8(a) of the Schedule of EIA Notification, 2006.
- The project proponent along with their expert / consultant attended the meeting on 16-10-2023.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

1. Details of the Application:

1.1. Type of application:	EC-New/~~Expansion/Ammendment~~
1.2. Proposal no.	SIA/GJ/INFRA2/442535/2023
1.3. Category of Project:	8(a)
1.4. Date of application accepted by SEAC:	20/09/2023
1.5. Documents Submitted by Project Proponent(PP)	Form -1, Form-1A, Conceptual plan, EMP, NA Permissions, Airport NOC, Fire fighting opinion etc.
1.6. TOR No. & Date:	Not applicable as project is categorized as B2
1.7. Technical expert / Environmental Consultant:	Mrs Khyati Patel
1.8. SEAC Meeting No. and Date:	708th meeting of the SEAC to be held on 16th October 2023
1.9. ADS vide letter dated:	Not Applicable
1.10. Reply Submitted by PP on portal dated:	Not Applicable
1.11. Revised Consideration SEAC Meeting No. and Date:	Not Applicable

2. Salient features of the project:

Sr No	Particulars	Details
1.	Proposal No.	SIA/GJ/INFRA2/442535/2023
2.	Name of the project	Gulmohar The Garden Living
3.	Address of the Site	F.P. No. 16/1, T.P.S. No. 110 (Nikol-Kathwada)(Final), (R.S.NO:-383/1) (O.P. No. 16/1), Moje: Nikol, Ta: Asarva, Dist: Ahmedabad
4.	Name of Developer	N.K. builders
5.	Estimated Project Cost (Rs. In Crores)	Rs 48.77 Cr
6.	Whether construction work has been initiated at site? If yes, details thereof And if No, Date up to which construction	No, construction has not started. --

<table>
<tr><td></td><td>has not started.</td><td></td></tr>
<tr><td>7.</td><td>Details of Undertaking stating current status of construction at site.</td><td>Attached as Annexure-15.</td></tr>
<tr><td>8.</td><td>Whether NA permissions of all survey Nos have been obtained, details there of</td><td>Yes obtained, attached as Annexure-11 in land documents.</td></tr>
<tr><td>9.</td><td>Site coordinates</td><td>(with all coordinates of the polygon)<table><tr><td>A</td><td>23° 3'45.77"N</td><td>72°40'32.18"E</td></tr><tr><td>B</td><td>23° 3'48.54"N</td><td>72°40'32.56"E</td></tr><tr><td>C</td><td>23° 3'45.54"N</td><td>72°40'34.94"E</td></tr><tr><td>D</td><td>23° 3'48.20"N</td><td>72°40'35.33"E</td></tr></table></td></tr>
<tr><td>10.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 6677.00
• FSI area (m^2): 26039.90
• Total BUA (m^2): 43688.54<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area(m^2)</td><td>26039.90</td><td>26039.90</td></tr><tr><td>Ground Coverage(m^2)</td><td>-</td><td>2603.99</td></tr><tr><td>Common Plot Area(m^2)</td><td>667.70</td><td>670.91</td></tr><tr><td>Max. building height(m)</td><td>44.44 (from GF)</td><td>33.50 (from GF)</td></tr></table></td></tr>
<tr><td>11.</td><td>Airport NOC</td><td>Order no. 754420, Dated: 16/05/2023</td></tr>
<tr><td>12.</td><td>~~In case of Expansion project/ Amendment project~~</td><td><table><tr><td>~~Reason of the Expansion~~</td><td>~~--~~</td></tr><tr><td>~~Details of earlier EC obtained for the project~~</td><td>~~SEIAA/GUJ/EC/8(a)/..../.... Dated:.....~~</td></tr><tr><td>~~Compliance of the earlier EC~~</td><td>~~Submitted /Not submitted~~</td></tr><tr><td rowspan="2">~~Status of construction completed on site~~</td><td>~~Built up area constructed:~~</td><td></td></tr><tr><td>~~No. of blocks and floors constructed:~~</td><td></td></tr><tr><td rowspan="3">~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~</td><td>~~Name of the Authority~~</td><td></td></tr><tr><td>~~Date of order~~</td><td></td></tr><tr><td>~~Built-up area granted~~</td><td></td></tr><tr><td>~~Documentary proof submitted for supporting the expansion of the project.~~</td><td colspan="2">~~Availability of Additional FSI, TDR, Revision in GDCR etc~~</td></tr></table></td></tr>
</table>

13.	~~In case of Expansion/ Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~ ~~Condition No.~~ | ~~Details as per EC Granted~~ | ~~Details require by the PP~~
14.	Building Details	No. of Buildings: 4 No. of Blocks: 4 Scope of buildings/blocks: 2 Cellar + G.F + 10^{th} floor No. & size of Residential Units: 160 No. & type of Commercial Units: NA Details of amenities if any: NA
15.	No. of expected residents / users	880 residential Visitors: --
16.	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE** Water requirement (KL/day): 50 No of persons expected x 45 KLD/Person =2.25 KLD Source of water/Supply from: Water supply from Tanker CGWA Permission details (if applicable) NA Waste water generation quantity (KL/day): 2.25 KLD X 80%= 1.8 KLD Mode of disposal: Soak Pit via Septic Tank Details of reuse of water, if any: -- **OPERATION PHASE** Total water requirement (KL/day): 123.8 (135 lpcd for Residential, 45 lpcd for Commercial) Fresh water requirement (KL/day): 79.6 Recycle of treated w/w (KL/day): 44.2 A. Gardening area, m2 5.0 B. Flushing 39.2 C. Sprinklers (Nos in premises, with pipeline details) -- D. Storage tank details for storage of treated domestic waste water in premises 15 KL Source of water: Water supply from AMC Total Waste water generation quantity (KL/day): 101.0 Treated waste water to be reused (KL/day): 44.2 Quantity and type (treated/untreated) of water to be discharged: 56.8 KLD, Treated water will be discharged through drainage line of AMC

		In case of STP provision, capacity of STP:	Yes, 115 KLD		
		STP Technology:	ASP Technology		
		Provision of dual plumbing system (Yes/No):	Yes		
17.	Status of water supply and drainage line	Project belongs to AMC and they will provide water supply line and drainage line after issue of building use permission.			
18.	Solid waste Management	**Construction Phase**:			
			Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
		Top Soil	2670	2670	Will be reused for gardening & greenbelt development
		Other excavated earth	53416	53416	Will be use within premises as building material & back filling/Remaining will be send to other project sites for filling of low-lying areas
		Construction debris	450 Tone	300 Tone	Will be reused within premises and balance quantity will be disposed as per C&D waste rules 2016.
		Steel scrap	whatsoever	--	Will be sold to local scrap vendors
		Discarded packing materials	whatsoever	--	Will be sold to local recyclers
		Others			
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	176	Blue Bins	To waste collectors
		Wet waste	264	Green Bins	OWC
		STP Sludge	11.5	Dry Manure	used in site premises and remaining Sold to nursery / farmer
		Details of segregation if to be done:		Separate bins will be provided to collect dry and wet waste	
		Capacity and no. of community bins to be placed within premises:		20 Nos. of bin of 80 litre capacity	

		Landfill site where waste will be ultimately disposed by local authority:	at nearest waste collection point of AMC

19. Details on staircase:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of Fire Lift	Travel distance (m)
Block A	2B+GF+10	758.29	1	2.08	2	1	23.02<25
Block B	2B+GF+10	776.82	1	2.08	2	1	23.25<25
Block C	2B+GF+10	529.12	1	2.08	2	1	20.37<25
Block D	2B+GF+10	539.76	1	2.08	2	1	20.54<2

20. Parking Details — As below:

	Sq. mtrs.	CPS
Total parking area requirement for the project as per GDCR:	5207.98	--
Parking area requirement for residential units as per GDCR:	5207.98	--
Parking area requirement for commercial units as per GDCR:	--	--
Parking area requirement as per GDCR for (specify in case of any other):	--	--
Total number of CPS requirement for the project as per NBC	--	160
Total parking area provided (m^2) & No. of CPS:	11640.84	374
Parking area provided in basement 1 (m^2) & No. of CPS:	4584.53	143
Parking area provided in basement 2 (m^2) & No. of CPS:	4857.93	152
Parking area provided in hollow plinth (m^2) & No. of CPS:	2198.38	79
Parking area provided as open surface (m^2) & No. of CPS:	--	--
Number of Visitor parking provided in the project (No. of CPS):	998.23	36

21. Traffic Management

Width of adjacent public roads:	12.0 m	
Number of Entry & Exit provided on approach road/s:	3	
Number of Entry and Exit ramp to the basement:	1	
Width of Entry & Exit provided on approach road/s:	6.0 meter	
Width of the Roads:	Permissible	Proposed
Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	6.0	6.0
Width of all internal roads:	6.0	6.0

22.	Details of Green Building measures proposed.	Provision to install aerated coke in wash basins, kitchen, low flush water closet in toilet and pressure reducing valves in water pipelines, rain water harvesting and ground water recharge, maximum utilization of natural lights, LED lightings		
23.	Energy Requirement, Source and Conservation	Power supply:	UGVCL	
		Maximum demand: Connected load: Source:	1100 KW 1100 KW UGVCL	
		Energy saving measures:	Use of transformers and motors having minimum efficiency of 85%, use of LED lights in the common areas, use of light colors to reduce the light absorption and minimize the cooling requirement, solar street lights etc.	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	55.0 KW	104.16 KW
		No. of solar panels		192
		Capacity of each Solar cell	500 W	540 W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	130 kwh/day
			Total Solar Power Utilization for Water Pump	132 kwh/day
			Total Solar Power Utilization for Electric Vehicles Charging Station	259 kwh/day
			Other usage	
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	--	1 Nos. of 250 KVA 40 liter/Hour (HSD)
24.	Electric vehicle charging provision	Total no. of EV Charging points provided	32	
		Parking area designated for EV Charging parking	Electric car charging stations will be provided for 32 of the required CPS	
		Total proposed EV charging capacity	16 slow EV Charging points 16 Fast EV Charging points	
		Total power requirement to charge Electric Vehicle in kWh/day	160 kWh/day	
		Availability of power	*Out of 160 kWh/day of power requirement for Charging of Electric Vehicles, 160 kWh/day will be utilized from solar power generation.*	
25.		During the construction phase:		

		Fire and Life Safety Measures	Fall Protection	Guardrails, fall arrest systems, safety nets and covers will be used to prevent deaths and injuries from falls. Use safety net systems or personal fall arrest systems (body harnesses).
			Foot Protection	If machines or operations present the potential for foot injury, the Contractor must provide foot protection, which is of safe design and construction for the work to be performed. Workers and visitors should not be allowed on a construction site without safety boots.
			Head Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection.
			Noise Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection.
			Eye Protection	When machines or operations present potential eye injury from physical or chemical elements, the Contractor must select, provide, maintain and required affected employees to use appropriate eye protection. Eye protection (safety glasses and goggles, face shields and welding helmets) must be adequate and reasonably comfortable.
			Ladders and Stairs	• The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition. • Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be secured against movement while in use. • All ladders must be used only on stable and level surfaces unless secured to prevent accidental movement. Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement. • The Contractor should provide a ladder (or stairway) at all work points of access

			where there is a break in elevation of 0.5 m or more. • When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear. • All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders.
		Scaffolds	• Access to Scaffolds - Access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps. • Employees must never use makeshift devices, such as boxes and barrels, to increase the scaffold platform working level height.
		Access to Scaffolds	• Access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps.
		Trenching and Excavation	• The area around the trench/excavation would be kept clear of surface encumbrances. • Water should not be allowed to accumulate in the excavation. • Adjacent structures would be shored in accordance with the design documents to prevent collapse. • Guardrails or some other means of protecting people from falling into the trench/excavation would be present. • The trench or excavation would be shored or sloped to prevent cave-ins.
		Electrical Safety	• If work has to be done near an overhead power line, the line must be de-energized and grounded before work is started. • A licensed electrician would have completed all temporary wiring and electrical installations required for construction activities. • Fuses and circuit breakers would be used to protect motherboards, conductors and equipment. • Extension cords for equipment or as part of a temporary wiring system will not be

			damaged or compromised in any way and insulation must be of the highest grade. • Anytime electrical equipment is deactivated for repair, or circuits are shut off, the equipment will be locked out and tagged at the point where it can be energized. • Temporary lights may not be suspended by their cords. • The Contractor would provide the necessary safety equipment, supplies and monitoring equipment to their personnel.
		Cranes	• A competent person has been designated to supervise activities that require the use of cranes. • Cranes would not be operated near any power lines. • All picks would be carefully planned to ensure that the crane adequately hoist the load. • The hoisting signals would be posted on the exterior of the crane.
		Occupational Noise Exposure	• The Contractor should implement engineering controls to reduce noise levels. • The Contractor should provide hearing protection to employees that are exposed to noise levels above the permissible limit.
		Welding and Cutting	• The Contractor's employees would be trained in hot work procedures. • There should be adequate ventilation to reduce the build-up of metal fume. • The hot work operators would use proper personal protective equipment (i.e., welding helmet, burning goggles, face shield, welding gloves, and apron). • There would be a fire extinguisher present at all welding and burning activities. • Extinguishers would also be placed at locations where slag and sparks may fall. • Oxygen and flammable gas bottles are separated by at least 7 m when not in use. • The Contractor would control the release of gases, vapours, fumes, dusts, and mists with engineering controls (e.g., adequate ventilation).
		Others	--

		During the operation phase	Fire safety measures	fire extinguishers at each floor, smoke detectors, fire sprinklers, basement sprinkler, fire mist system
			Capacity of Underground fire water tank	1 No of 200 KL
			Capacity of Overhead fire water tank	20 KL on each building
		Status of fire opinion obtained for the project, submit details	Order No: FOPN-NZ03-024-H-010009, Dated: 23/08/2023	
		Nearest fire station, distance & time required for the fire tender to reach at the project site:	Nikol Fire Station at around 1.95 km away from the project site. It takes around 5 minutes to reach the site.	
26.	Rain Water Harvesting (RWH)	Level of the Ground water table:	>10 meter	
		RWH/Percolation well details:	Required	Provided
		No. of RWH tank(s) :	--	1 No:
		Dimensions of RWH tank(s):		5.0 m x 4.0 m x 4.0 m
		No. of percolations wells:	2 Nos.	2 Nos. of percolating wells,
		Depth of percolations wells:		Depth > 10 m
		Details on Pre-treatment facilities :	--	Catch pit with filtration media
27.	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2) :	--	334.00
		Area covered by shrubs and bushes (m^2):	--	--
		Lawn covered area (m^2)	--	670.91
		Total Green Area (m^2):	--	1004.91
		No. of trees and species to be planted:	167 (As per CGDCR 1 No. of trees for 40 m2 area)	167

<table>
<tr><td>28.</td><td>Basic amenities to be provided to construction workers.</td><td colspan="2">Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc.</td></tr>
<tr><td rowspan="12">29.</td><td rowspan="12">Environment Management Plan</td><td>Head</td><td>Mitigation measures proposed, with facility details:</td></tr>
<tr><td>Air</td><td>Dust suppression measures are undertaken such as regular sprinkling of water around vulnerable areas of the construction site by suitable methods to control fugitive dust during earthwork and construction material handling/ over hauling.
Properly tuned construction machinery & vehicles in good working condition with low noise & emission are used and engines are turned off when not in use.</td></tr>
<tr><td>Noise Control</td><td>Protective gears such as ear mufflers etc. are provided to construction personnel exposed to high noise levels.</td></tr>
<tr><td>Water</td><td>Toilet and drinking water facilities for construction workers are provided by the contractor at the construction site to avoid unhygienic condition at site.</td></tr>
<tr><td>Solid and hazardous waste management</td><td>Waste construction materials are recycled and excess construction debris are disposed at designated places in tune with the local norms.</td></tr>
<tr><td>Environment monitoring</td><td>The recurring cost would be incurred on hiring of consult- ants and payment of various statutory fees to regulatory agencies.</td></tr>
<tr><td>Rain water</td><td>Adequate rainwater harvesting will be provided</td></tr>
<tr><td>Green belt</td><td>167 nos. Trees and Lawn Area Development</td></tr>
<tr><td>Solar Energy</td><td>Solar Energy Roof Top Solar – 104.16 KW;
Terrace Space require – 1041.60 Sq.m.</td></tr>
<tr><td>Fire & Safety</td><td>Adequate fire protection facilities will be installed including fire detectors, fire alarm and firefighting system as per National Building Code.
Adequate safety measures complying to the occupational safety manuals to prevent accidents/hazards to the maintenance workers</td></tr>
<tr><td>CER</td><td>
<table>
<tr><td colspan="6">Details of the activities to be carried out under corporate Environment Responsibility (CER):</td></tr>
<tr><td rowspan="2">No</td><td rowspan="2">Activities</td><td colspan="3">3 Year plan</td><td rowspan="2">Total cost</td></tr>
<tr><td>1</td><td>2</td><td>3</td></tr>
<tr><td>1</td><td>Tree plantation with tree guard and maintenance in adjacent TP Road of proposed project.</td><td>₹ 10,54,000</td><td>₹ 10,00,000</td><td>₹ 12,00,000</td><td>₹ 32,54,000</td></tr>
<tr><td>2</td><td>Installation and commissioning of solar street light in adjacent TP Road of proposed project.</td><td>₹ 10,00,000</td><td>₹ 10,00,000</td><td>₹ 11,00,000</td><td>₹ 31,20,000</td></tr>
<tr><td>3</td><td>Provide Solar Panel to the Urban health centre.</td><td>₹ 10,00,000</td><td>₹ 12,00,000</td><td>₹ 12,00,000</td><td>₹ 34,00,000</td></tr>
<tr><td colspan="5">Total exp.</td><td>₹ 97,54,000</td></tr>
</table>
</td></tr>
<tr><td>Amenities/ Occupational health center.</td><td>Drinking water and sanitation facilities for worker. PPE’s will be provided to workers during Construction Phase.</td></tr>
</table>

30. Budgetery provision of Environment Management plan

Sr. No.	Head	Basis for cost estimates	Total Capital cost (Rs. In lacs) (Construction and operation phase)	Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)	Implementation Plan For Capital Expenditure
1.	Air	Dust Mitigation Measures	8,01,240	--	Three Year
		Stack and DG room	1,25,000	60,000	
2.	Noise	Mitigation Measures (Protective gears such as ear mufflers and Erect enclosures around machines to reduce the amount of noise emitted into the workplace or environment. Use barriers and screens to block the direct path of sound. Position noise sources further away from workers etc.)	1,00,000	25,000	
3.	Water	115 KLD – ASP Type STP, Area Require – 76 Sq.m.,	11,50,000	2,30,000	
4.	Solid and hazardous waste management	290 Kg/Day – Automatic OWC Area require – 4.8 Sq.m.	2,90,000	60,000	
5.	Environment monitoring	The recurring cost would be incurred on hiring of consult-ants and payment of various statutory fees to regulatory agencies.	--	75,000	
6.	Rain water	Collection system, treatment and recharge well - 2 nos. P. W.C.	4,00,000	20,000	
7.	Green belt	167 nos. Trees and Lawn Area Development	5,09,850	50,985	
8.	Solar Energy	Roof Top Solar – 104.16 KW; Terrace Space require – 1041.60 Sq.m.	41,66,384	83,328	
9.	Fire & Safety	Provide Fire Fighting Systems as per Fire Opinion from AMC and Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.	34,95,083	3,49,508	
10.	CER	Details of the activities to be carried out under corporate Environment Responsibility (CER):	97,54,000	--	

No	Activities	3 Year plan			Total cost
		1	2	3	

					1	Tree plantation with tree guard and maintenance in adjacent TP Road of proposed project.	₹ 10,54,000	₹ 10,00,000	₹ 12,00,000	₹ 32,54,000		
					2	Installation and commissioning of solar street light in adjacent TP Road of proposed project.	₹ 10,00,000	₹ 10,00,000	₹ 11,00,000	₹ 31,20,000		
					3	Provide Solar Panel to the Urban health centre.	₹ 10,00,000	₹ 12,00,000	₹ 12,00,000	₹ 34,00,000		
					Total exp.					**₹ 97,54,000**		
			11.	Amenities/ Occupational health center	Providing of amenities facility for worker, Implementation Occupational health and safety procedures to workers during Construction Phase.						8,73,771	87377.08
			Total								**2,16,65,328**	**10,41,198**

- The said submission of the project proponent was considered by the Committee and the submitted documents were found satisfactory, it was unanimously decided to recommend the project to SEIAA Gujarat for granting Environment Clearance subject to the strict compliance of the following project specific conditions as well as the standard conditions finalized during the meeting of SEAC held on 02/08/2017 and approved during the meeting of SEIAA held on 08/09/2017 The Building Construction projects falling under project activity no. 8(a) as per the schedule of the EIA Notification 2006:

D-1. Project Specific Conditions for Environment Clearance:

a) Preconstruction Phase

1. Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.
2. The project proponent shall construct 4 nos of buildings [2 Basement + Ground floor + 10 Floors].
3. The height of the building shall not be higher than 33.50 mts.
4. The Peripheral margin shall be 6 mts and Internal roads shall be 6 mts wide.
5. Separate Entries and Exits shall be provided to the project on the approach road.

6. The Project Proponent shall make provision of Electric vehicle charging in parking area as mentioned at the Sr no 24 of the Salient features of the project.
7. Project proponent shall explore possibilities to reuse the treated waste water for gardening and floor washing.

b) Construction Phase:

(i) WATER:

8. Fresh water requirement during the construction phase shall not exceed 2.25 KLD and it shall be met through Tanker. No ground water shall be tapped during the construction phase.
9. Sewage generated during the construction phase shall be disposed off through Soak Pit via Septic Tank.
10. Explore possibilities of provision of mobile toilets in construction phase.

(ii) HEALTH & SAFETY:

11. Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
12. The project proponent shall obtain registration of the establishment under the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.
13. The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.

c) Operation Phase:

(iii) WATER:

14. Total water requirement during the operation phase shall not exceed 123.8 KLD, out of which fresh water requirement of 79.6 KLD shall be met through AMC and the remaining 44.2 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.
15. Sewage generation during operation phase shall not exceed 101 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.
16. The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for

gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of AMC.

17. A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.
18. Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.
19. No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.
20. Rain water harvesting from rooftop and paved areas and ground water recharge through 2 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.

(iv) AIR:

21. A D. G. set (250 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.
22. The exhaust of the D. G. Set shall be at least 3 m above roof top.
23. The gaseous emissions from the D.G. Sets shall conform to the standards prescribed under EPA rules as amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.

(v) SOLIDWASTE:

24. The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor and the recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the AMC.

(vi) SAFETY AND WELFARE:

25. Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
26. Fire fighting facilities like fire extinguishers at each floor, smoke detectors, fire sprinklers, basement sprinkler, fire mist system, terrace water tanks of 20 KL capacity each building , underground water tank of 200 KL, etc shall be provided.
27. Staircase shall be provided:

Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of Fire Lift	Travel distance (m)

Block A	2B+GF+10	758.29	1	2.08	2	1	23.02<25
Block B	2B+GF+10	776.82	1	2.08	2	1	23.25<25
Block C	2B+GF+10	529.12	1	2.08	2	1	20.37<25
Block D	2B+GF+10	539.76	1	2.08	2	1	20.54<2

28. All the staircases shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation.
29. Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.
30. Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.
31. Clear peripheral margin space of adequate width, in accordance with the concerned local bye-laws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.
32. Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.

(vii) PARKING / TRAFFIC CONGESTION:

33. Minimum parking space of 11640.84 m^2 (374 CPS) [4584.53 m^2 in Basement 1+ 4857.93 m^2 in Basement 2 + 2198.38 m^2 in Hollow Plinth] shall be provided as proposed.

(viii) ENERGY CONSERVATION:

34. Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar street light, 104.16 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof-top thermal insulation etc. shall be implemented as proposed.

(ix) GREEN BELT:

35. Green belt area of 1004.91 m2 comprising of 334.00 m2 tree covered area with 167 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.
36. Green belt to be developed shall include all trees with height not less than 7ft.

(x) BUDGETARY ALLOCATION FOR EMP:

37. The Project proponent shall allot budget for Capital cost Rs. 216.65 Lakhs and Recurring cost of Rs 10.41 Lakhs in Construction Phase& Operation Phase.

(xi) CORPORATE ENVIRONMENTAL RESPONSIBILITY:

38. The project proponent shall allocate the separate fund of Rs. 97.54 Lakhs as committed before SEAC for activities like Tree plantation with tree guard and maintenance in

adjacent TP Road of proposed project. Installation and commissioning of solar street light in adjacent TP Road of proposed project. Provide Solar Panel to the Urban health centre.

39. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020.
40. The said activities shall be completed within 3 years from the commencement of the project.
41. The CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.

General Conditions.

Compliance of Environment Clearance/ Inspection / Reporting/ Administration/ Appeal

1. Project proponent shall inform to all the concerned authorities including Municipal Corporation and district collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded. Copy of EC shall be display at the site in prominent area for the public.

2. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.

3. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.

4. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.

5. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.

6. Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.

7. All complains and public grievance or representations may be addressed to SEIAA/SEAC in

	the email addresses a. msseiaagj@gmail.com&seacgujarat@gmail.com		
12	**SIA/GJ/MIS/76425/2022**	**Proposed Residential & Commercial Building Project "Pramukh Horizon-2" (Dwelling-3, Mercantile-1) on R.S./Block No.2814 (Old No: 651/1, O.P. No: 107, F.P.No. 107, T.P. Scheme No.9 (Vasana HadmatiyaSaragasan-Uwarsad-Tarapur-Vavol), at Village-Uwarsad, Tehsil & DistGandhi Nagar by M/s PSY Organizer**	**TOR**

- This office has received an application for Terms of Reference of the above project vide proposal no. SIA/GJ/MIS/76425/2022 dated: 09-05-2022.
- The project proponent along with their expert / consultant attended the meeting on 26-05-2022.
- The project was appraised based on the information furnished in Form-1, Form-1A & Conceptual Plan, Environment Management Plan and details presented before the Committee.
- Committee deliberated on the Land Possession Documents, Lay out & Scope of Project along with Building Plans, Air Port NOC, OWC, Detailed Designed of STP, Provided Parking, EMP, CER etc.

- Committee deliberated on the following:

✓ Details of EV Charging points to be provided in the project was discussed.
✓ Layout was discussed and PP was asked to revise Layout with indication of entry and exit ramps. ⎫ Submit permission obtained from GUDA, Rajachithhi etc.
✓ Status of construction already done on site.
✓ PP was asked to submit photographs of the site.
✓ Details of construction completed floorwise were asked from the PP.
✓ Timeline of events for the project in its chronological sequence shall be submitted by the PP.
✓ Later on PP vide their email dated 03-06-2022 has submitted the revised layout plan, Parking details, Rain water harvesting details and solar power generation details.

- After detailed deliberations committee unanimously decided to consider the project only after satisfactory submission of the following:

✓ Details of EV Charging points to be provided in the project.
✓ Submit permission obtained from GUDA, Rajachithhi etc.
✓ Status of construction already done on site.
✓ PP was asked to submit photographs of the site.
✓ Details of construction completed floorwise were asked from the PP.
✓ Timeline of events for the project in its chronological sequence shall be submitted by the PP.

- The project proponent replied to the ADS on the Parivesh Portal and thus the project was

scheduled in the SEAC VC Dated 16-10-2023.

- Timeline of events for the project in its chronological sequence are as under:

Sr No	Events	Date
1	Receipt of Rajachitthi from GUDA	07/10/2019
2	Construction Activity Started	15/10/2019
3	EC Application Documents preparation	25/04/2022
4	Status of the Project	Completed 100 % Construction Activities
5	Applied for TOR under Violation of EIA Notification 2006	02/05/2022
6	Presentation Before SEAC for TOR	26/05/2022

- In view of the above, during the meeting of SEAC held on 31/05/2018, it was noticed that the project proponent has completed the 90 % of the construction activity at the project site without obtaining prior Environmental Clearance in violation of the provisions of EIA notification – 2006 and attracts the provisions of MoEFCC Notification dated 14/03/2017 and its amendment dated 08/03/2018 as well as the MoEFCC's Office Memorandum F.No.Z-11013/22/2017-IA.II(M) dated 16/03/2018 published by MoEFCC in context to the order dated 14/03/2018 of the Hon'ble High Court of Judicature at Madras in WMP Nos.3361 & 3362 of 2018 and WMP No. 3721 of 2018 in WP No. 11189 of 2017.

- The PP has applied wrt the standard operating procedure dated 07-07-2021 for identification and handling of violation cases under the EIA Notification, 2006 and the Office Memorandum, MoEFCC dated 28-01-2022.

1) Salient features of the project are as under:

Sr No.	**Particulars**	**Details**
1.	Proposal No.	SIA/GJ/MIS/76425/2022
2.	Name of the project	Proposed Residential & Commercial Building Project "Pramukh Horizon-2" (Dwelling-3, Mercantile-1) on R.S./Block No.2814 (Old No: 651/1, O.P. No: 107, F.P.No. 107, T.P. Scheme No.9 (Vasana Hadmatiya-Saragasan-Uwarsad-Tarapur-Vavol), at Village- Uwarsad, Tehsil & Dist-Gandhinagar by M/s PSY Organizer.
3.	Address of the Site	R.S./Block No.2814 (Old No: 651/1, O.P. No: 107, F.P.No. 107, T.P. Scheme No.9 (Vasana Hadmatiya-Saragasan-Uwarsad-Tarapur-Vavol), at Village- Uwarsad, Tehsil & Dist-Gandhinagar
4.	Name of Developer	M/s. PSY Organizer
5.	Estimated Project Cost (Rs. In Crores)	50.31 Crores
6.	Whether construction work has been initiated at site? If yes, details thereof And if No, Date up to which construction has not started.	Yes.100% construction work completed.

<table>
<tr><td>7.</td><td>Details of Undertaking stating current status of construction at site.</td><td>We have applied under violation category.</td></tr>
<tr><td>8.</td><td>Whether NA permissions of all survey Nos have been obtained, details there of</td><td>Yes. NA permissions of all Survey no. have been obtained.</td></tr>
<tr><td>9.</td><td>Site coordinates</td><td>(with all coordinates of the polygon)<table><tr><td>A</td><td>23°11'44.49"N</td><td>72°36'27.59"E</td></tr><tr><td>B</td><td>23°11'42.31"N</td><td>72°36'29.28"E</td></tr><tr><td>C</td><td>23°11'40.49"N</td><td>72°36'26.63"E</td></tr><tr><td>D</td><td>23°11'42.68"N</td><td>72°36'24.95"E</td></tr></table></td></tr>
<tr><td>10.</td><td>Project Details</td><td>• Land / Plot Area (m^2): 8352 m^2
• FSI area (m^2): 18783.36 m^2
• Total BUA (m^2): 30054.93 m^2<table><tr><td></td><td>Permissible</td><td>Proposed</td></tr><tr><td>FSI Area(m^2)</td><td>18792</td><td>18783.36</td></tr><tr><td>Ground Coverage(m^2)</td><td>3427.97</td><td>3427.97</td></tr><tr><td>Common Plot Area(m^2)</td><td>835.20</td><td>863.63</td></tr><tr><td>Max. building height(m)</td><td>-</td><td>24.85 mt.</td></tr></table></td></tr>
<tr><td>11.</td><td>Airport NOC</td><td>NA</td></tr>
<tr><td>12.</td><td>~~In case of Expansion project/ Amendment project~~</td><td><table><tr><td>~~Reason of the Expansion~~</td><td></td><td></td></tr><tr><td>~~Details of earlier EC obtained for the project~~</td><td colspan="2">~~SEIAA/GUJ/EC/8(a)/..../.... Dated:.....~~</td></tr><tr><td>~~Compliance of the earlier EC~~</td><td colspan="2">~~Submitted /Not submitted~~</td></tr><tr><td rowspan="2">~~Status of construction completed on site~~</td><td>~~Built up area constructed:~~</td><td></td></tr><tr><td>~~No. of blocks and floors constructed:~~</td><td></td></tr><tr><td rowspan="3">~~If earlier EC not applicable/not obtained for the project then details of Development Permission (Rajachithhi) obtained from other Local Authority~~</td><td>~~Name of the Authority~~</td><td></td></tr><tr><td>~~Date of order~~</td><td></td></tr><tr><td>~~Builtup area granted~~</td><td></td></tr><tr><td>~~Documentary proof submitted for supporting the~~</td><td colspan="2">~~Availability of Additional FSI, TDR, Revision in GDCR etc~~</td></tr></table></td></tr>
</table>

		~~expansion of the project.~~	
13.	~~In case of Expansion/ Amendment~~	~~Tabular form stating the details granted in Earlier EC and Amendment /Expansion required.~~ ~~Condition No.~~ | ~~Details as per EC Granted~~ | ~~Details require by the PP~~ | | | | | | | | | | | |
14.	Building Details	No. of Buildings:	6 Nos.
		No. of Blocks:	9 Nos.
		Scope of buildings/blocks:	Basement Floor + Stilt Floor + Ground and Parking Floor + 1st to 7th Floor
		No. & size of Residential Units:	228 Nos.
		No. & type of Commercial Units:	31 Nos.
		Details of amenities if any:	Common plot
15.	No. of expected residents / users/	Residents: Residents: Fixed population (228 flats × 5 persons/unit) = 1140 persons Commercial: (31 units × 5 persons/unit) = 155 persons Visitors: 129 persons	
16.	Water & waste water details during construction phase and operation phase	**CONSTRUCTION PHASE**	
		Water requirement (KL/day):	• 50 No of persons expected x 0.045 KLD/Person = 2.25KLD • Dust Suppression – 2.0 KLD • Washing of Construction equipment – 3.0 KLD • Curing – 5.0 KLD Total Consumption: 12.25 KLD
		Source of water/Supply from-	Water supply from GMC water supply/ Local tanker.

CGWA Permission details (if applicable)	NA
Waste water generation quantity (KL/day):	2.25 KLD X 80%= 1.80 KLD
Mode of disposal:	Disposal into underground drainage of Soak Pit/ septic system
Details of reuse of water, if any:	2.25 KLD reuse for curing activity.
OPERATION PHASE	
Total water Consumption (KL/day):	187.69 KLD
Fresh water requirement (KL/day):	124.64 KLD
Recycle of treated w/w, KL	63.05 KLD
A. Gardening area, m^2	1,370.03 m^2, 8 KLD
B. Flushing	55.05 KLD
C. Sprinklers (Nos in premises, with pipeline details)	Total 20 nos. of sprinkler with 700 m pipeline network shall provide.
D. Storage tank details for storage of treated domestic waste water in premises	20 KL Storage tank shall provide by considering retention time of STP.
Source of water:	Water supply from GMC
Total Waste water generation quantity (KL/day):	154.77 KLD
Treated Waste water to be reused	63.05 KLD
Quantity and type (treated/untreated) of water to be discharged:	91.72 KLD
In case of STP provision, capacity of STP:	200 KLD

		STP Technology:		Primary, secondary & tertiary treatment MBBR Type	
		Provision of dual plumbing system (Yes/No):		Yes.	
17.	Status of water supply and drainage line and its permission/ acknowledgement details	Water supply and drainage lines already exist in the surrounding area			
18.	Solid waste Management	**Construction Phase**:			
			Generation (m^3)	Quantity to be reused (m^3)	Mode of Disposal / Reuse
		Top Soil	835.20 m^3	835.20	To be utilize for the development of common plot area.
		Other excavated earth	21,500 MT	2,590 m^3 will be used for back filling & plinth filling.	Remaining will be send to the nearest low-lying areas
		Construction debris	0.02	0.02	To be reused for internal road development
		Steel scrap	1.60	--	Will be sold to scrap vendors
		Discarded packing materials	28,000 nos.	--	Will be sold to scrap vendors
		Others	--	--	--
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		Dry waste	466.2 Kg/day	Blue colour Bin	Through door-to-door waste collection system of GMC.
		Wet waste	310.8 Kg/day	Green colour Bin	Collected and treated in organic waste converter

						(OWC) located within project premises and converted in to manure. will be used as Manure for gardening purposes and remaining will be send/distributed (via tractor) or will be self-collected by farmers nearby to use as compost in agriculture purposes.
			STP Sludge	15 kg/day	Sludge Drying Bed	Will be used as manure for gardening. If still any excess sludge remains after use in gardening it will be send/ distributed (via mini tractor/ tipper etc.) or will be self-collected by farmers nearby to use as manure in agriculture purposes.
			Details of segregation if to be done:		Dry waste and Wet waste will be segregated into Blue & Green Colour bin respectively.	
			Capacity and no. of community bins to be placed within premises:		Capacity - 80 Lit. No. of community bins - 33 Nos.	
			Landfill site where waste will be ultimately disposed by local authority:		At the nearest waste collection point of GUDA.	

19.	Details on staircase:		Type & no. of buildings	No. of floors	Area for each Floor (m^2)	No. of staircase	Width of the staircase (m)	Total No of Lifts	No of fire lift	Travel distance (m)

			BLOCK A	G+7	378.93	2	1.5	2	1	<25
			BLOCK B	7	351.00	1	1.5	2	1	<25
			BLOCK C	7	351.00	1	1.5	2	1	<25
			BLOCK D	7	291.41	1	1.5	2	1	<25
			BLOCK E+F	7	521.41	2	1.5	4	2	<25
			BLOCK G+H+I	G+7	1038.49	3	1.5	6	3	<25

20.	Parking Details	As below:	Sq. mtrs.	CPS
	Total parking area requirement for the project as per GDCR:		4,162.12	--
	Parking area requirement for residential units as per GDCR:		3,486.35	--
	Parking area requirement for commercial units as per GDCR:		675.77	--
	Parking area requirement as per GDCR for (specify in case of any other):		--	--
	Total number of CPS requirement for the project as per NBC		--	255
	Total parking area provided (m^2) & No. of CPS:		6,765.01	303
	Parking area provided in basement (m^2) & No. of CPS:		4,472.90	223
	Parking area provided in hollow plinth (m^2) & No. of CPS:		2,292.11	80
	Parking area provided as open surface (m^2) & No. of CPS:		--	--
	Number of Visitor parking provided in the project (No. of CPS):		--	35

21.	Traffic Management	Width of adjacent public roads:	18 m	
		Number of Entry & Exit provided on approach road/s:	Residential Unit - 1 Entry & 1 Exit Commercial Unit - 1 Entry & 1 Exit	
		Number of Entry and Exit ramp to the basement:	1 Entry & 1 Exit	
		Width of Entry & Exit provided on approach road/s:	6 m	
		Width of the Roads:	Permissible	Proposed
		Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation) i.e peripheral width:	6 m	6 m &7.5 m
		Width of all internal roads:	6 m	6 m &7.5 m

22.	Details of Green Building measures proposed.	Solar lights common sunlit areas, maximum use of LED lights, use of variable frequency drive motors to optimize power consumption, use of fly ash paver blocks, most of the carpentry structures will be made up of processed engineering wood/ particle board instead of wood, maximum use of Portland Pozzolana Cement (PPC), PVC electrical boards, maximum use of Ready-Mix Concrete (RMC). Rainwater harvesting by recharging the ground water table with provision for 6 percolation wells etc.		
23.	Energy Requirement, Source and Conservation	Power supply:		
		Maximum demand: Connected load: Source:	1200 KW 1200 KW UGVCL	
		Energy saving measures:	Maximum use of LED lights, use of variable frequency drive motors to optimize power consumption, maximum use of light & silent colours in the building envelope so that UV absorption is reduced & associated cooling requirements are minimized, provision of roof top solar panels.	
		Power Generation:	Required	Provided
		Solar power generation (Capacity in KW):	10 % of total demand	130.5 kw
		No. of solar panels	-	261 Nos
		Capacity of each Solar cell	500 W	500 W
		Total Solar Power Utilization	Total Solar Power Utilization for Indoor and Outdoor Lighting	50 kw
			Total Solar Power Utilization for Water Pump	42 kw
			Total Solar Power Utilization for Electric Vehicles Charging Station	38.5 kw
			Other usage	-
		DG Sets: No. and capacity of the DG sets: Fuel & its quantity:	 01 DG Set 125 KVA Diesel - 20 Lit/hr	
24.	Electric vehicle charging provision	Total no. of EV Charging points provided	55 nos.	
		Parking area designated for EV Charging parking	Electric car charging stations will be provided for 20 % of the required CPS	

		Total proposed EV charging capacity	55 nos.
		Total power requirement to charge Electric Vehicle in kWh/day	165 KW
		Availability of power	Out of 165 kw/day of power requirement for Charging of Electric Vehicles, 38.5 kW/day will be utilized from solar power generation and remaining 126.5 kW/day will be utilized from UGVCL
25.	Fire and Life Safety Measures	During the construction phase:	Fire extinguishers in common areas, personal protective equipment like earplugs. Dust masks, safety shoes, helmets, hand gloves etc. will be provided to all workers, all workers will be trained to use welding shields and follow safer practice, provision of first aid facilities & related training to the construction workers, maintaining hoists and lifts, lifting machines, chains, ropes and other lifting tackles in good condition, "H" frame scaffolds & ladders made of mild fitting/ equipment used will meet the relevant is standards etc.
		Fall Protection	• The Contractor is required to provide fall protection to employees who are working at heights equal to or greater than 1.8 m. Fall protection can be in the form of perimeter protection such as guardrails and toe rails, personal protective equipment (PPE), a safety monitoring system, or a fall protection plan. • Activities that require personal fall protection systems include steel erection bolting, riveting, fitting-up and plumbing up, work over water and some deep excavation work. On buildings or structures not adaptable to temporary floors, and where scaffolds are not used, safety nets will be installed and maintained whenever the potential fall distance exceeds two storeys.

			• The PPE standard should cover occupational foot, head, hearing, and eye protection
		Foot Protection	If machines or operations present the potential for foot injury, the Contractor must provide foot protection, which is of safe design and construction for the work to be performed. Workers and visitors should not be allowed on a construction site without safety boots
		Head Protection	If head hazards remain after all steps have been taken to control them (safety nets for work at heights, proper housekeeping), the Contractor must provide employees with appropriate head protection
		Noise Protection	Workers should be wearing hearing protection devices (ear plugs, ear muffs, canal caps) that are in good condition whenever they are involved in noisy activities
		Eye Protection	When machines or operations present potential eye injury from physical or chemical elements, the Contractor must select, provide, maintain and required affected employees to use appropriate eye protection. Eye protection (safety glasses and goggles, face shields and welding helmets) must be adequate and reasonably comfortable to the greatest extent possible, working surfaces must be kept dry to prevent slips and falls and to reduce the chance of nuisance odors from pooled water. All equipment and materials should be stored in designated storage areas that are labelled as such.
		Ladders and Stairs	• The Contractor is required to inspect and maintain all ladders and temporary/portable steps to ensure that they are in good working condition Portable ladders used for access to an upper landing surface must extend a minimum of 1.8 m above the landing surface, or where not practical, be provided with grab rails and be secured against movement while in use All ladders must be used only on stable and

			level surfaces unless secured to prevent accidental movement. • Ladders must not be used on slippery surfaces unless secured or provided with slip resistant feet to prevent accidental movement. The Contractor should provide a ladder (or stairway) at all work points of access where there is a break in elevation of 0.5 m or more When there is only one point of access between levels, it must be kept clear to permit free passage by workers. If free passage becomes restricted, a second point of access must be provided and used. At all times, at least one point of access must be kept clear All required stairway and ladder fall protection systems must be provided and installed before employees begin work that requires them to use stairways or ladders
		Scaffolds	Access to Scaffolds - access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps Employees must never use make shift devices, such as boxes and barrels, to increase the scaffold platform working level height
		Access to Scaffolds	Access to Scaffolds - access to and between scaffold platforms more than 0.6 m above or below the point of access will be made by portable/attachable ladders or ramps Employees must never use make shift devices, such as boxes and barrels, to increase the scaffold platform working level height
		Trenching and Excavation	• The area around the trench/ excavation would be kept clear of surface encumbrances. • Water should not be allowed to accumulate in the excavation Adjacent structures would be shored in accordance with the design documents to prevent collapse Guardrails or some other means of protecting people from falling into the trench/excavation

			would be present. The trench or excavation would be shored or sloped to prevent cave-ins.
		Electrical Safety	Electrical shock proof hand gloves will be provided to the electrician working on the site. IP 65 panel board will be used at site. 30mA ELCB/RCCB (minimum allowable leakage current of RCCB) will be provided in all the panel board. Regularly inspection of earth pit & ELCB. FRP ladder for electrical work will be provided.
		Cranes	A competent person has been designated to supervise activities that require the use of cranes Cranes would not be operated near any power lines All picks would be carefully planned to ensure that the crane adequately hoist the load The hoisting signals would be posted on the exterior of the crane.
		Occupational Noise Exposure	The Contractor should implement engineering controls to reduce noise levels The Contractor should provide hearing protection to employees that are exposed to noise levels above the permissible limit
		Welding and Cutting	The Contractor's employees would be trained in hot work procedures. There should be adequate ventilation to reduce the buildup of metal fume The hot work operators would use proper personal protective equipment (i.e., welding helmet, burning goggles, face shield, welding gloves, and apron) There would be a fire extinguisher present at all welding and burning activities Extinguishers would also be placed at locations where slag and sparks may fall. Oxygen and flammable gas bottles are separated by at least 7 m when not in use The Contractor would control the release of gases, vapors, fumes, dusts, and mists with engineering controls (e.g., adequate ventilation)
		Registration of Establishment under the Building and other construction	We will obtain registration under the building and other Construction Worker's (regulations of Employment and Conditions of service) Act 1996 after grant of EC from SEIAA, as it is

		workers (regulation of employment & conditions of services) Act 1996	required for plan approval and development permission. After obtaining development permission registration under the building and other Construction Worker's (regulations of Employment and Conditions of service) Act 1996 as it is required for registration.	
		Others	--	
		During the operation phase"	Fire safety measures	Two Fire extinguishers of CO_2 type (2 kg) on each floor and DCP (5 kg) on alternate floor will be provided. Hose reels, wet risers, manually operated electric fire alarm system. Automatic sprinkler system in basements. Fire lift, auto glow signage on each floor. Manually operated electric fire alarm system. Each floor having a fire alarm call point installed. Electric power supply to the entire safety system. A lightering arrestor will be installed and properly earthed.
			Capacity of Underground fire water tank	Underground water storage tank (50 KL* 9 nos.= 450 KL)
			Capacity of Overhead fire water tank	Terrace water storage tank of 20 KL at each block
		Status of fire opinion obtained for the project, submit details	Order: FA. B. JA. No.12/2019 Dated:10/05/2019	
		Nearest fire station, distance & time required for the fire tender to reach at the project site:	Gandhinagar Fire Station – @7 Km 10 to 15 min.	
26.	Rain Water Harvesting (RWH)	Level of the Ground water table:		

		RWH/Percolation well details:	Required	Provided
		No. of RWH tank(s)	6 no	6 no
		Dimensions of RWH tank(s):	-	9.00*3*3.40 each
		No. of percolations wells:	6 no	6 no
		Depth of percolations wells:	-	upto the aquifers
		Details on Pre-treatment facilities	-	A de-silting chamber will be provided to de-silt and remove floating material through bar screen. Oil and grease trap will be provided as well.
27.	Green area details	Details:	Required as per prevailing Laws/policy/rule	Provided
		Tree covered area (m^2) :	----	506.4
		Area covered by shrubs and bushes (m^2):		Included in lawn covered area
		Lawn covered area (m^2):		863.63
		Total Green Area (m^2):		1,370.03
		No. of trees and species to be planted:	As per CGDCR 5. No. of trees for 200. m^2 area.	211 Nos. Neem, Gulmahor, Pipal, Gulmahor, Ashopalav and Saptaparni etc. will be preferred for plantation
28.	Basic amenities to be provided to construction workers.	Drinking water & tap water, sanitation facilities, domestic waste water collection facility, lunch space, first aid box, free medicines, doctor service, PPEs etc. would be provided to construction workers.		
29.	Environment Management Plan	**Head**	**Mitigation measures proposed, with facility details:**	
		Air	• Project site boundary will be barricaded with sheet of 15 ft height.	

			• Construction material storage area will be covered with tarpaulin sheets. • Trucks used for transportation of construction material will be covered to avoid dust dispersion at site. • To avoid dust emission, excavated soil & construction debris will be sprinkled with water and kept moist.
		Noise Control	• Machinery used for construction will be of high standard of reputed make and will adhere to international standards. These standards itself take care of noise pollution control/ vibration control and air emission control. • Lubrication will be carried-out periodically for rotation machinery. • Use of well- maintained construction equipment's as well as vehicles used for working staff. • Provision of PPE to working staff. • Anti-vibration pads will be provided on machine foundation to maintain low noise. • D.G. Set will be provided with acoustic enclosures and will be used only in case of power failure/ emergency.
		Water	Sewage will be treated in proposed 200 KLD STP and treated sewage will be reused for gardening & flushing purpose within premises and remaining quantity of treated sewage will be discharged into the drainage line of GMC.
		Solid and hazardous waste management	• Separate bin will be provided to each owner for dry and wet waste and it will be segregated at source. Wet waste will be treated within premises using OWC. Recyclable material will be disposed as per the practice of GMC. • Domestic waste shall be managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.

		Environment monitoring	Environment monitoring of various environment attributes shall be carried out at regular interval.
		Rain water	06 percolation well provided with rain water harvesting tank.
		Green belt	• Greenbelt 1,370.03 m^2 will be developed within the premises as per GPCB guideline which will provide shelter for local flora and fauna. • Trees/ plants will be identified/ selected for project site so that theses can survive in site specific condition.
		Solar Energy	Provision of roof top solar panels.
		Fire & Safety	Provide Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.
		CER	Fund of Rs. 100.62 lakhs will be utilized for the activities like water supply facilities like RO plant in Vasna Hadmatiya, Shahpur, Por, Bhaijipura, Valad villages, scientific support & awareness to local farmers for increasing yield of crop in Pundarasan, Titoda, Bhoyan, Dhanaj villages, rain water harvesting in Kolavada, Adraj moti, Palaj, Lavarpur, Valad villages, deepening of lake in Uvarsad village, 3000 tree plantation & medical check up & environment awareness camps in nearby villages etc.
		Amenities/ Occupational health center.	Sanitation facilities, maintaining hygienic condition at the project site to avoid health problems, safe drinking water, welfare facilities as per the Gujarat Building & Other Construction Workers Rules. • PPE's will be provided to the workers • Appoint approved contractor for Registration of Workers. • Insurance of Workers. • Periodically Health Check-up. • Fix hours for normal working day. • Maintenance of registers and records. • Drinking water facility provided. • Toilets and urinals provided.

			First aid kit's given to the authorized persons and also kept in the office in case of emergencies.
30.	Budgetery provision of Environment Management plan		

Sr. No	Head	Basis for cost estimates	Total Capital cost (Rs. In lacs) (Construction and operation phase)	Total Recurring cost per annum (Rs. in lacs) (Construction and operation phase)	Implementation Plan For Capital Expenditure
1.	Air	• Dust Mitigation Measures Project site boundary will be barricaded with sheet of 15 ft height. • Construction material storage area will be covered with tarpaulin sheets. • Trucks used for transportation of construction material will be covered to avoid dust dispersion at site. • To avoid dust emission, excavated soil & construction debris	09	03	Capital Expenditure will be incurred during period of construction and operation phase in 2024-25, 2025-26 & 2026-27.

				will be sprinkled with water and kept moist.			
				Stack and DG room, 125 KVA	05	1.5	
		2	Noise Control	Noise control measures like provision of PPE to working staff. • Lubrication will be carried-out periodically for rotation machinery. Use of well-maintained construction equipment's as well as vehicles used for working staff.	2.5	1.0	
		3.	Water	200 KLD – MBBR Type STP, Area Require – 90 sq. m.,	40	6	
		4.	Solid and hazardous waste management	777 Kg/day – Automatic OWC Area require – 20 Sq.m.	15	3	
		5.	Environment monitoring	The recurring cost would be incurred on hiring of consult-ants and payment of various statutory fees to regulatory agencies.	5	1.5	
		6.	Rain water	Collection system, treatment and recharge well - 06 nos. P. W.C.	10	02	
		7.	Green belt	211 nos. Trees and Lawn Area Development	2.2	1.0	
		8.	Solar Energy	Roof Top Solar 130.5 KW;	82.5	6	

				Terrace Space require – 447.69 sq.m.			
		9.	Fire & Safety	Provide Fire and Safety Equipment and PPE's will be provided to workers during Construction Phase.	38	3.5	
		10.	CER	water supply facilities like RO plant in Vasna Hadmatiya, Shahpur, Por, Bhaijipura, Valad villages, scientific support & awareness to local farmers for increasing yield of crop in Pundarasan, Titoda, Bhoyan, Dhanaj villages, rain water harvesting in Kolavada, Adraj moti, Palaj, Lavarpur, Valad villages, deepening of lake in Uvarsad village, 3000 tree plantation & medical check up & environment awareness camps in nearby villages etc.	100.62	-	
		11.	Amenities/ Occupational health center	Providing of amenities facility for worker	20	4	
		Total			325.32	32.5	

- During the SEAC meeting held on 16-10-2023, after detailed deliberation regarding the proposal and in view of the above the committee recommended for grant of the following Terms of Reference for undertaking EIA:

A. Specific Terms of Reference for the project on assessment of ecological damage, remediation plan and natural and community resource augmentation plan.

1. Chronology of events stating the applications done, Approvals obtained and documentary proof justifying the violation done by the PP.

2. Ecological damage assessment with respect to air, water, land and other project & location specific environment attributes. The collection and analysis of data shall be done by an environment laboratory duly notified under Environment (Protection) Act, 1986, or an environment laboratory accredited by NABL, or a laboratory of a council of Scientific and Industrial Research (CSIR) institution working in the field of environment

3. The Environment Management Plan shall comprise of the remediation plan and community & natural resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation. The remediation plan and the natural & community resource augmentation plan prepared shall be included as an independent chapter in the EIA report.

4. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the GPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after recommendation by regional office of the Ministry followed by recommendations of the SEAC and approval of the regulatory authority.

(As per t*he indicative guideline for calculating the amount of remediation plan and natural and community resource augmentation plan)*

B. General & project specific Terms of Reference for the project.

5. No occupancy certificate to be issued by the concerned local body government till the project is granted EC.

6. A notarized undertaking stating that 1. Any such violation shall not be repeated in future, 2. All the statutory requirements shall be fully complied with and 3. A status quo shall be maintained at the project site and remaining activity shall be carried out only after obtaining Environmental Clearance from SEIAA.

7. Details on construction work completed, so far, both in terms of project cost and project activities i.e in terms of built up area, number of buildings, number of units etc.

8. Recent photographs showing current status of the project site.

9. Total project cost and its break up in terms of cost of land, construction cost etc.

10. Details of final approved, allotted land for the project with exact survey numbers/block numbers/ F.P.numbers/ O.P.numbers etc. Documents showing ownership of land by the project proponent. Copy of N.A order for using the area for non agricultural purpose.

11. Copy of all conceptual project plans [full size] submitted to the competent authority for approval or approved by the concerned competent authority. Copy of construction permission, building use permission etc. obtained from the concerned competent authority. Documents showing availability of the proposed FSI to the project.

12. A single layout plan showing location of buildings, roads, D.G.sets, STP, composting facility, parking provision, green belt (tree covered area), common plot, location of percolation wells, peripheral margin space, separate entry & exit, internal roads, main access road etc. with different colour codes.

13. A map of the study area delineating the major topographical features such as land use, drainage, locations of habitats, environmental sensitive areas, major constructions including roads, railways, pipelines, industries if any in the area are to be mentioned.

14. Land use map of the study area based on high resolution satellite imagery delineating the forest, agricultural land, water bodies, settlements, and other cultural features. Details of change / creation in land use / land cover due to the proposed project.

15. Details of site topography along with the contour plan of the project area. Details of change in topography of the area due to the project.

16. Scope of the buildings to come up in the project as well as exact details of the residential units, service and commercial units as well as other amenities (like hospital, hotel, restaurant, school, club house, swimming pool etc.) to come up in the project, height of the proposed buildings, break up of FSI, built up area plot wise, block wise plan & area statement.

17. Fixed population as well as floating population including visitors considered for the project during construction & operation phase of the project.

18. Details of the management of the run off / rainwater flowing through the existing natural drain / nallah / streams within the project site if any. Impacts on the surface hydrology pattern due to the proposed project. Details of measures proposed to ensure that natural drainage of the site will not be obstructed / disturbed and measures proposed to protect existing natural drain / nallah / streams within the project site.

19. Source of water supply during the construction phase along with the quantity of the water requirement. Waste water disposal plan during the construction phase.

20. Detailed fresh water consumption based on activity and area of the project as per the NBC norms. Exact source of water supply during construction & operation phase of the project. Sewage treatment, reuse & disposal plan during construction & operation phase of the project. Permission from the concerned authority for water supply & drainage connection.

21. Details of the Sewage Treatment Plant including its capacity, size of each unit, retention time, other technical parameters etc. along with the plan & 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, space requirement in view of dimensions of the proposed STP as well as associated activities, STP sludge management plan, design details of dual plumbing system etc

22. Details of water conservation measures including provision of low water consuming devices.

23. Complete management plan for top soil, excavated earth & construction debris including its storage, haulage, reuse & disposal plan, details of demarcated area on the layout plan where it was stored and measures proposed to avoid spillage & dust emission while stockpiling during construction phase.

24. Engineering controls adopted for dust control including barricading the site during the construction period.

25. Details of the D.G. sets including fuel, quantity, stack height, location as well as the acoustic measures proposed to abate noise pollution.

26. Details of base line study for ambient air quality (RSPM, NO2, SOx and CO), water (surface & ground), soil, noise monitoring data of one month other than monsoon for at least five locations in 10 km study area and impact analysis due to the proposed project. Map of the study area clearly delineating the location of monitoring stations for air, water, soil and noise, superimposed with location of habitats are to be shown.

27. Detailed Environment Management Plan with respect to various environmental attributes- Water, Air, Noise, Solid wastes including Hazardous Wastes, land etc. of the project both during construction and operation phase and strategy for its implementation with financial outlay. Details of monitoring / supervision cell to monitor environmental aspects during construction phase as well as operation phase including provision of qualified construction safety officer.

28. Details with respect to the quantity of the generation of the garbage / Municipal Solid waste(biodegradable & recyclable waste), Bio Medical waste, electronic waste, hazardous waste and mode of its treatment and disposal. Copy of permission obtained from concerned authority/ies, in this regard, should be submitted. Details of the OWC like its capacity, type, cost of installation, operation & maintenance, end product management plan, its location on the layout plan, space requirement in view of dimensions of the proposed OWC as well as associated activities etc. should be submitted.

29. Detailed parking plan showing accommodation of two wheelers and four wheelers, its adequacy for the project and norms adopted for the calculations. The details shall include the parking requirement on the basis of footfalls, as per present CGDCR and National Building Code (NBC) guidelines for each individual component of the project along with back up calculation. Mark the area of parking on the drawing showing the parking. Also details of visitors parking, whether considered in total parking calculations / provisions or not.

30. Number and type of trees already planted at the project site. Details of trees existed at the project site and number of trees protected / preserved / transplanted / removed. Detailed green belt development plan as per the CPCB guidelines, including area of tree plantation, its demarcation

on the map, number and types of trees and budget allocation thereof. Also provide the break-up of the greenbelt viz. the tree covered and lawn covered area.

31. Details of use of eco-friendly building material including fly ash bricks, fly ash paving blocks, RMC, lead free paints, use of PPC in concrete etc.

32. Details of energy conservation measures including solar energy utilization for the project. Details of Green Building Concept to be adopted for the project.

33. Scheme for rain water harvesting and ground water recharge with proper scientific calculations considering rainfall in the region, catchment area, land / soil characteristics, ground water recharge rate, duration of rain water harvesting etc. Details of provisions of pre-treatment of the rainwater in the case of surface run off is harvested. Location of recharge percolation wells on the layout plan.

34. Details of the basic amenities, welfare facilities and safety measures for the construction workers including provision of personal protection equipment. Details of registration and provisions to follow Building and other Construction Workers Acts and Rules and undertaking for the same.

35. Details of the exits and staircases on each floor in high rise buildings for evacuation from the top level to the street level in compliance to the CGDCR and NBC in this regard along with the details of maximum travel distance to the nearest staircase from the respective farthest point of the floor as well as distance between the two consecutive staircases. Details of requirement & provision of skip floor, refuge area etc. shall also be addressed.

36. Details on provision of first aid, fire fighting and other emergency services during construction phase and operation phase including the training to the residential staff of the project as first aid providers, fire fighters etc.

37. Detailed plan for Corporate Environment Responsibility in affected area around the project, with appropriate budgetary provisions and time bound action plan with details of activities proposed to be carried out; specific to the current demographic status of the area.

38. Details of R & R involved in the project.

39. Copy of permission obtained from Aviation Authority.

40. Any litigation(s) pending against the proposed project and / or any directions or orders passed by any court of law/any statutory authority against the project is to be detailed out.

41. Details on plan for conservation of natural resources and recycling of waste materials, due to the project activity, in the construction and operational phase of the project to be detailed out.

42. Certificate of accreditation issued by the NABET, QCI to the environmental consultant should be incorporated in the EIA Report. Certificate of accreditation / Notification of the environmental laboratory should also be incorporated.

43. An undertaking by the Project Proponent on the ownership of the EIA report as per the MoEF&CC's OM dated 05/10/2011 and an undertaking by the Consultant regarding the

prescribed TORs have been complied with and the data submitted is factually correct as per the MoEF&CC's OM dated 04/08/2009.

44. A tabular chart with index for point-wise compliance of above TORs.

The above mentioned project specific TORs/additional TORs and the model TORs available in the MoEFCC's sector specific EIA Manual for Building & Construction Projects shall be considered as generic TORs for preparation of the EIA report in addition to all the relevant information as per the generic structure of EIA given in Appendix III in the EIA Notification, 2006. The project shall be appraised on receipt of the EIA report.

Validity of ToR:

- The ToRs prescribed for the project will be valid for a period of four years for submission of EIA & EMP report. ToR will lapse after three years from date of issue.

The meeting ended with a vote of thanks to the chair.

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Minutes approved by:

1.	Shri Akshay Kumar Saxena, Chairman, SEAC	
2.	Dr. S. C. Pant, Vice Chairman, SEAC	
3.	Shri D. C. Chaudhari, Member, SEAC	
4.	Shri J. K. Vyas, Member, SEAC	
5.	Shri Anand Zinzala, Member, SEAC	
6.	Shri B. M. Tailor, Member, SEAC	
7.	Shri D.M. Thaker, Member Secretary, SEAC	