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AHMEDABAD MUNICIPAL CORPORATION

FIRE & EMERGENCY SERVICE

DANAPITH FIRE STATION, (H. Q.) AHMEDABAD - 380 001

PH. : (079) 22148466 / 67 / 68, 32981178, 32981500 FAX : (079) 22148598.

(No.241, Dt.:26/06/2019)

OPN054125062019

To,
M/s. Neha Consultant
45, Avani Complex,
B/h. Navrangpura Police Station,
Ahmedabad.

Sub: Fire safety & protection, opinion for a proposed high-rise buildings.
(25 & 40.10 meters)

Sir.

This is to intimate that, the plans submitted for high-rise Residential building Block: A,B,E,F with 2 basements parking + ground floor HPP + 1st to 7th floors residence, Block: C, D with 2 basements parking + ground floor HPP + 1st to 12th floors residence. At F.P.no.408/2, Sur.no.262/2, T.P.no.29 (Naranpura), Ahmedabad have all the required line drawings and write-up required for the opinion, are as per the requirement of fire prevention and protection.

All norms as per the GDCR (2021) by AUDA & Gujarat Fire Prevention & Life Safety Measures ACT, 2013 have to be followed as far as the construction and Fire Prevention and Protection system, are to be followed.

Moreover, it is required that all the staircases of the building shall be ventilated above the parapet wall at each floor level and shall be 2 meters clear in width. The staircase and lift shafts shall not go to the basement but if they go they have to be protected by 2 hours fire resistant construction including the doors. (the doors should be certified for stability, integrity & insulation by Fire Research Laboratory, CSIR- Central Building Research Institute, Roorkee- 247-667.)

A motorable road with 40 ton load bearing capacity and 6 metres wide, is required around the building without obstruction to a clear motorable passage for fire/rescue vehicles.

The gate (entry) to the premises shall be minimum 6 meters or more if required, in width, entry gate to be provided on both sides.

The building should have fire Protection system as per approved plans.

- All basements parking & HPP shall be fully sprinklered.
- All basements should have positive pressure ventilation.
- Electric Cable duct should have fire rated doors at all level and to be kept open from top and bottom.
- Staircase and lift lobby to be enclosed at basement.

After, the building is built and all the required Fire safety and Protection equipment have been installed and after due inspection Pby the Fire service officer an NOC can be issued. The copies of plans are returned herewith duly signed and have to be submitted during final inspection of the fire fighting system.



(M.F.Dastoor)
Chief Fire Officer



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Vinodaben Vasudevbbhai Patel

Date: 22-07-2019

45, Avani Complex, B/h. Navrangpura Police
Station, Navrangpura, Ahmedabad. C/o.
Nitesh J. Shah, (M): 9825802817

Valid Upto: 21-07-2027

No Objection Certificate for Height Clearance

1. This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations.

This office has no objection to the construction of the proposed structure as per the following details:

NOC ID :	AHME/WEST/B/862919/411460
Applicant Name*	Jagdish B Patel
Site Address*	T. P. S. No. 29 (Naranpura) (Second Varied), F. P. No. 408/2, Survey No. 262/2, At Vada Taluka Sabarmati District Ahmedabad, At Vada Taluka Sabarmati District Ahmedabad, Ahmedabad, Gujarat
Site Coordinates*	23 04 09.37 N 72 33 11.70E, 23 04 06.95 N 72 33 12.45E, 23 04 09.79 N 72 33 13.79E, 23 04 07.40 N 72 33 14.49E
Site Elevation in mtrs AMSL as submitted by Applicant*	55.98 M
Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL)	125.98M

*As provided by applicant

3. This NOC is subject to the terms and conditions as given below:

a. Permissible Top elevation has been issued on the basis of Site coordinates and Site Elevation submitted by Applicant. AAI neither owns the responsibility nor authenticates the correctness of the site coordinates & site elevation provided by the applicant. If at any stage it is established that the actual data is different, this NOC will stand null and void and action will be taken as per law. The office in-charge of the concerned aerodrome may initiate action under the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994"

b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site. In case of any discrepancy, Designated Officer shall be requested for cancellation of the NOC.

c. Airport operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that NOC terms & conditions are complied with.

d. The Structure height (including any superstructure) shall be calculated by subtracting the Site elevation in AMSL from the Permissible Top Elevation in AMSL i.e. Maximum Structure Height = Permissible Top Elevation minus (-) Site Elevation.

e. The issue of the 'NOC' is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994.

हवाईअड्डा निदेशक सरदार वल्लभ भाई पटेल अंतर्राष्ट्रीय हवाई अड्डा अहमदाबाद - 380 003 दूरभाष संख्या : 91-79-2286 9211

Airport Director, Sardar Vallabhbhai Patel International Airport, Ahmedabad-380 003 (Gujarat), Telephone - 91-79-2286 9211



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

f. No radio/TV Antenna, lighting arresters, staircase, Muntree, Overhead water tank and attachments of fixtures of any kind shall project above the Permissible Top Elevation of 125.98M (AMSL), as indicated in para 2.

g. Use of oil, electric or any other fuel which does not create smoke hazard for flight operations is obligatory, within 8 KM of the Aerodrome Reference Point.

h. The certificate is valid for a period of 8 years from the date of its issue. One time revalidation without assessment may be allowed, provided construction work has commenced, subject to the condition that such request shall be made within the validity period of the NOC and the delay is due to circumstances which are beyond the control of the developer.

i. No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time, during or after the construction of the building. No activity shall be allowed which may affect the safe operations of flights.

j. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.

k. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 5 of Civil Aviation Requirement Series B Part I Section 4, available on DGCA India website: www.dgca.nic.in

l. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This NOC for height clearances is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

m. This NOCID has been assessed w.r.t Ahmedabad Airport(s). NOC has been issued w.r.t. the AAI aerodromes and other licensed civil aerodromes as listed in Schedule-III, Schedule-IV(Part-1), Schedule-IV(Part-2;RCS Airports Only) and Schedule-VII of GSR751(E).

n. Applicant needs to seek separate NOC from Defence, if the site lies within the jurisdiction of Defence Aerodromes as listed in Schedule-V of GSR751(E). As per Rule 13 of GSR751(E), applicants also need to seek NOC from the concerned State Govt. for sites which lies in the jurisdiction of unlicensed aerodromes as listed in Schedule-IV (Part-2:other than RCS airports) of GSR751(E).

o. In case of any discrepancy/interpretation of NOC letter, English version shall be valid.

p. In case of any dispute w.r.t site elevation and/or AGL height, top elevation in AMSL shall prevail.

Chairman NOC Committee

Region Name: WEST

Address: General Manager (ATM)

Email ID: vaah.noc@aaiaero

Contact No: 079-22858111



Name / Designation / Sign with Date	
Prepared By :	
Verified By :	

हवाई अड्डा निदेशक सरदार वल्लभ भाई पटेल अंतर्राष्ट्रीय हवाई अड्डा अहमदाबाद - 380 003 दूरभाष संख्या : 91-79-2286 9211

Airport Director, Sardar Vallabhbhai Patel International Airport, Ahmedabad-380 003 (Gujarat), Telephone - 91-79-2286 9211



N. M. TABHANI
SECRETARY

State Level Expert Appraisal Committee

**STATE LEVEL EXPERT APPRAISAL
COMMITTEE, GUJARAT.**

Office : Gujarat Pollution Control Board,
"Paryavaran Bhavan", Sector 10-A,
Gandhinagar-382010, GUJARAT

Phone : 079 -23225172,

Fax : 079 -23220484.

Email : seacgujarat@gmail.com

Ref. No.: EIA-10-2019-NCP-904 / 3117

Dated: 04 NOV 2019

By: R.P.A.D

To,
Smt. Vinodaben V. Patel,
Arjun Paradise
40/ Mahasana Society,
Opp. Laxmi Hospital,
Wadaj, Ahmedabad-380013

Sub: Environment Clearance under the EIA Notification 2006 for your proposed project at Survey No. 262/2, F.P. No. 408/2, O.P. No. 408/2, TPS No. 29 (Naranpura) (Second Veried), Wadaj, Sabarmati, Ahmedabad.

Ref: Your Proposal No: SIA/GJ/MIS/113082/2019

Dear Sir,

This refers to your application on the subject mentioned above and the meeting held with the State Level Expert Appraisal Committee, Gujarat, on 10th October 2019. The relevant information furnished in Form I, Form - IA and presentation made before the SEAC was considered and the additional information required was communicated to you by the SEAC immediately after the said presentation. However, a copy of the same is attached here with for further necessary action at your end. You may please furnish the desired information / documents within 15 days from issuance of this letter to enable us to process the application further.

With regards,

Yours sincerely,


(N. M. Tabhani)

Secretary, State Level Expert Appraisal Committee

2.	Arjun Paradise	Sr.No.262/2,F.P.No.408/2,O.P.No.408/ 2,TPS No.29(Naranpura),(Second Varied), Wadaj,Sabarmati, Ahmedabad	Screening/ scoping & appraisal
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Details of the proposed project as presented before the committee are described below

Sr. No.	Particulars	Details															
1.	Proposal is for	New Project [SIA/GJ/MIS/113082/2019]															
2.	Type of Project	Residential Project															
3.	Project / Activity No. [8(a) or 8(b)]	8 (a)															
4.	Name of the project	Arjun Paradise															
5.	Name of Developer	Vinodaben V Patel															
6.	Estimated Project Cost (Rs. In Crores)	Rs. 40 Crore															
7.	Whether construction work has been initiated at site? If yes, details thereof	No															
8.	Site coordinates	23.06 83 74°N, 72.55 34 45°E															
9.	Project Details	- Land / Plot Area (m²): 6,040.0 - FSI area (m²): 16,291.96 - Total BUA (m²): 30,833.23 <table border="1"> <thead> <tr> <th></th><th>Permissible</th><th>Proposed</th></tr> </thead> <tbody> <tr> <td>FSI Area (m²)</td><td>16,308.0</td><td>16,291.96</td></tr> <tr> <td>Ground Coverage (m²)</td><td>-</td><td>2,290.67</td></tr> <tr> <td>Common Plot Area (m²)</td><td>604.0</td><td>616.28</td></tr> <tr> <td>Max. building height (m)</td><td>-</td><td>45.35 (from GF)</td></tr> </tbody> </table>		Permissible	Proposed	FSI Area (m ²)	16,308.0	16,291.96	Ground Coverage (m ²)	-	2,290.67	Common Plot Area (m ²)	604.0	616.28	Max. building height (m)	-	45.35 (from GF)
	Permissible	Proposed															
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Ground Coverage (m ²)	-	2,290.67															
Common Plot Area (m ²)	604.0	616.28															
Max. building height (m)	-	45.35 (from GF)															
10.	Building Details	- No. of Buildings: 6 - No. of Blocks: 6 - Scope of buildings/blocks: 4 buildings: 2 level basement + hollow plinth + 7 floors, 2 buildings: 2 level basement + hollow plinth + 12 floors. - No. & size of Residential Units: 180 - No. & type of Commercial Units: -- - Details of amenities if any: Club house															
11.	No. of expected residents / users	Expected users: 884 residential															
12.	Water & waste water details during construction phase	- Water requirement (KL/day): 10.0 - Source of water: Local water tanker - Waste water generation quantity (KL/day): 2.0 - Mode of disposal: Soak pit via septic tank - Details of reuse of water, if any: ---															
13.	Water & waste water details during operation phase	- Total water requirement (KL/day): 111.3 - Fresh water requirement (KL/day): 72.7 - Source of water: waer supply from Ahmedabad Municipal Corporation(AMC) - Waste water generation quantity (KL/day): 92.2															

		• Mode of disposal: Sewage to be generated will be treated in proposed onsite STP. Treated sewage will be reused for gardening & flushing purpose within premises and remaining treated sewage will be discharge to AMC drainage line. • In case of STP provision, capacity of STP: 100 KL/day • STP Technology: ASP technology with primary, secondary and tertiary units • Purposes for treated water utilization: Treated sewage will be utilized for gardening and toilet flushing • Quantity of treated water to be reused: 1. Gardening (KL/day): 2.8 • 2. Flushing (KL/day): 35.8 • 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 reused for gardening & flushing purpose within premises and remaining quantity of treated sewage will be discharge to AMC Drainage line. • Mode of disposal: As stated above			
14.	Status of water supply and drainage line	Water supply & drainage connection will be provided by AMC during operation phase.			
15.	Solid waste Management	Construction Phase:			
			Generation	Quantity to be reused	Mode of Disposal / Reuse
		Top Soil	2,500 m ³	2,500 m ³	Will be reused for gardening & greenbelt development
		Other excavated earth	40,000 m ³	40,000m ³	Will be used within premises as building material & back filling. Remaining will be send to other project sites for filling of low-lying areas
		Construction debris	550 Tone	400 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
		Operation Phase:			
		Type of waste	Generation Quantity (Kg/day)	Mode of waste collection	Mode of Disposal / Reuse
		MSW	402 Kg/day	Will be stored in the bins to be provided	On-site waste treatment system will be installed for handling and

					management of the organic waste generated and it will be used as manure in greenbelt. Non-biodegradable waste will be regularly emptied by AMC's door to door service
		• 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: 23 Nos. of bin of 80 litre capacity each. • Landfill site where waste will be ultimately disposed by local authority: At the nearest waste collection point of AMC			
16.	Parking Details	• Total parking area requirement for the project as per GDCR: 3,258.39 m² • Parking area requirement for residential units as per GDCR: 3,258.39 m² • Total Parking area provided (m²) & No. of CPS: 9,230.50 m² and 295 CPS • Parking area provided in 1st basement (m²) & No. of CPS: 3,722.17 m² and 116 CPS • Parking area provided in 2nd basement (m²) & No. of CPS: 3,953.60 m² and 123 CPS • Parking area provided in hollow plinth (m²) & No. of CPS: 1,554.73 m² and 56 CPS			
17.	Traffic Management	• Width of adjacent public roads: 18.0 m • Number of Entry & Exit provided on approach road/s: 1 gate will be provided • Width of Entry & Exit provided on approach road/s: 7.51 m • Minimum width of open path all around the buildings for easy access of fire tender (excluding the width for the plantation): 4.75 m • Width of all internal roads: 7.51 m, 8.73 m			
18.	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			
19.	Energy Requirement, Source and Conservation	• Power supply: • Maximum demand: 1000 KW • Connected load: — • Source: Torrent Power Limited • % of saving with calculations: Maximum use of natural lighting through architectural design, energy efficient motors & pumps, maximum use of light colors in building so that the heat absorption is reduced, use of aerated block, use of LED lighting fixtures and low voltage lighting, solar lights, solar heaters, roof top solar panels of 574.5 KW etc. • DG Sets:			

		No. and capacity of the DG sets:2 x 70 KVA Fuel & its quantity: HSD, 25 litre/hr				
20.	Fire and Life Safety Measures	• During construction phase: fire extinguishers at various locations, boards showing important telephone numbers, provision of PPEs, implementation of safe work practices etc. • During operation phase: fire extinguishers & fire alarm at each floor, underground fire water storage tank, smoke detectors, fire sprinklers, basement sprinkler, hose reel, external hydrant, wet riser etc.				
21.	Details on staircase					
	Block No	No. of floors	Floor area (m ²)	No. of staircase	Width of the staircase (m)	Travel distance (m)
	A	2B + HP + 7	427.90	1	1.52	<25
	B	2B + HP + 7	228.60	1	1.52	<25
	C	2B + HP + 12	292.08	1	2.01	<25
	D	2B + HP + 12	292.08	1	2.01	<25
	E	2B + HP + 7	228.60	1	1.52	<25
	F	2B + HP + 7	427.90	1	1.52	<25
22.	Rain Water Harvesting (RWH)	• Level of the Ground water table---- • No. & dimensions of RWH tank(s): 2 Nos. • No. and depth of percolations wells:2 Nos. of percolating wells. • Details on Pre-treatment facilities: Catch pit with filtration media				
23.	Green area details	• Tree covered area (m²) :--- • Area covered by shrubs and bushes (m²):-- • Lawn covered area (m²):572.79 • Total Green Area (m²): 572.79 • Green Area % of plot area: 9.5% • No. of trees and species to be planted:151 Nos.				
24.	Budgetary allocation for Environmental Management Plan (Rs. in lakhs)	Approx. 20 lakhs for MSW collection and disposal, sewage treatment and disposal charges, green belt development, percolation well system				
25.	Proposed dust control measures during the construction phase	Loading & transportation in covered trucks, covered shed for cement unloading activity, temporary wind screen around project site, sprinkling of water on roads and in vicinity of storage area				
26.	Eco friendly building material usage details.	Fly ash bricks, aerated blocks, paving block, RMC (Ready Max Concrete), Lead free paints				
27.	Corporate Environment Responsibility	Amount will be spend for activities under CER as required by the MOEF&CC O.M.F. No. 22-65/2017-IA. III dated 1st May, 2018.				
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.	Documents related to land possession	Copy of village form no. 7/12 submitted shows that the land of F.P.No:408 of T.P.S.No.29 admeasuring 6,374.50 m ² for residential use is in the name of applicant.				

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

1. Monitorable action plan with the details of activities to be carried out under CER, funds

allocation, location and time bound expenditure plan as per the MoEFCC's Office Memorandum dated 01/05/2018 should be submitted.

2. Copy of permission obtained from Airports Authority of India for the proposed building height.
3. Detailed green belt development plan, including area of tree plantation, its demarcation on the map, number and types of trees and budget allocation thereof. Also provide the break-up of the greenbelt viz. the tree covered and lawn covered area.