भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Executive Engineer of Slum Upgradation Department Trupti N Kalathiya Date: 07-03-2021

D-401, Sarthi Doctor House,
Hirabaug ,Surat.

System Generated Auto Assessment for Height Clearance

1. 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 GSR 751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations has assessed the site data filled by the applicant.

2. Assessment details for Height Clearance:

NOC ID :	**SURA/WEST/B/022721/531199**
Applicant Name*	**Biraj K Kukadiya**
Site Address*	**T.P.S.No. 27 (Utran-Kosad), F.P.No. 178, Moje- Utran, Dist. - Surat.**
Site Coordinates*	**21 13 55.82N 72 51 34.84E, 21 13 57.59N 72 51 34.96E, 21 13 55.54N 72 51 38.01E, 21 13 57.56N 72 51 38.16E**
Site Elevation in mtrs AMSL as submitted by Applicant*	**13.1 M**
Type Of Structure*	**Building**

*As provided by applicant

Your site is located at a distance 17861 mts from ARP and lies in the grid E20 of the published CCZM of Surat airport. The Permitted top elevation for this grid is 109 mts.

Since the requested top elevation 63.1 mts in AMSL is below CCZM permitted top elevation, the NOC for height clearance is not required from Airports Authority of India.

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

a. The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If however, at any stage it is established that the actual data is different from the one provided by the applicant, this assessment will become invalid.

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,this assessment shall be treated as null and void

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

d. The assessment 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.

e. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This assessment for height 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.

f. 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.

g. This assessment has been issued w.r.t. the Civil Airports as notified in GSR 751(E). Applicant needs to seek separate NOC for Defence, if the site lies within jurisdiction of Defence Airport. Applicants also need to seek clearance from state Govt. as applicable, for sites which lies in the jurisdiction of unlicensed civil aerodrome as outlined in Rule 13 of GSR751 (E).

This assessment is system auto generated and thus does not require any signature

Designated Officer

Region Name: WEST

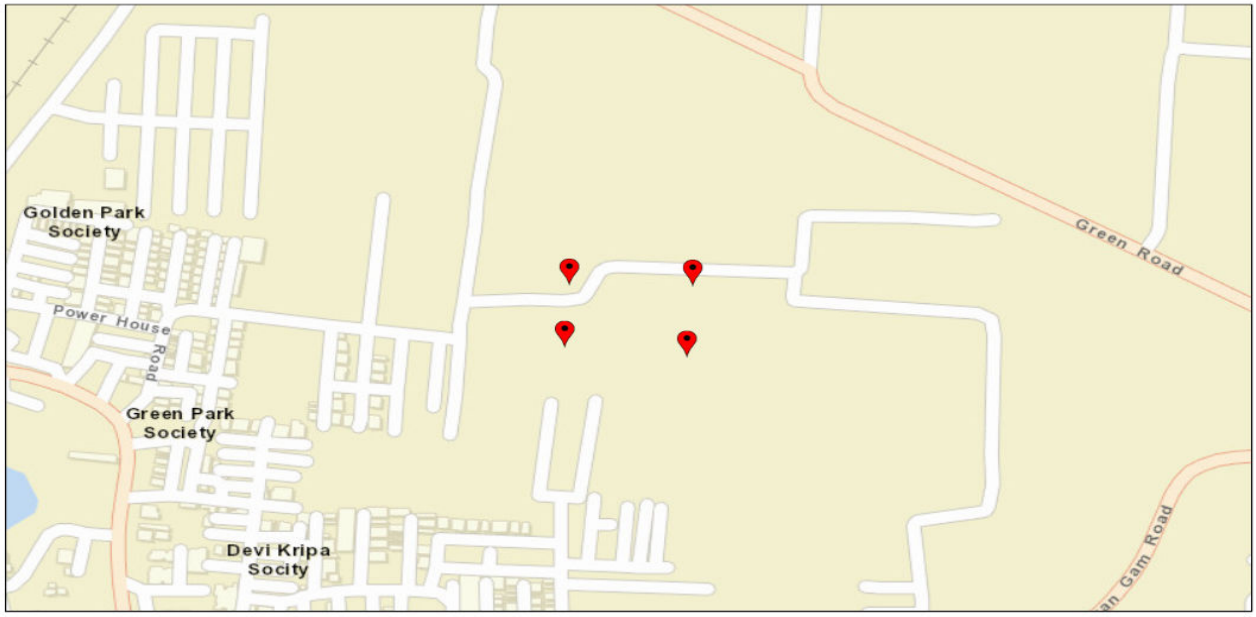
Address: General Manager Airports Authority of India, Regional Headquarter, Western Region, Opp. Parsiwada, Sahar Road, Vale Parle (E)

Email ID: nocwr@aai.aero

Contact No: 022-28300656

ANNEXURE

Street View



February 27, 2021

1:3,600
0 0.03 0.06 0.11 mi
0 0.04 0.09 0.18 km

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

AAI

Satellite View

February 27, 2021

1:3,600
0 0.03 0.06 0.11 mi
0 0.04 0.09 0.18 km

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

AAI

SURAT MUNICIPAL CORPORATION
FIRE & EMERGENCY SERVICES
HEAD QUATERS, MUGLISARA,
SURAT - 395003

☎ Ph.: S.M.C. : 0261 - 2423750 TO 56, CONTROL : 2414195 -96, FAX : 2451935, 9724345553

Sub :- N.O.C./OPINION Fire & Emergency Services Dept. for High Rise Residential Building.

Reference :- A letter from T.D.O. Shri bearing No. T.D.O.5292, Dt.16/03/2021.

PROPOSED SITE :- PROPOSED BUILDING PLAN FOR RESIDENTIAL EWS-II (R.A.H.) HIGH RISE TYPE ON T.P.S. NO. 27 (UTRAN-KOSAD), F.P. NO. 178 (S.E.W.S.) AT VILLAGE. UTRAN-KOSAD, TA. ADAJAN, DIST. SURAT.

Submitted,

As per said plan the above building is a High Rise Residential Building. A-B,C-D (Ground Floor + 9th Floor) with Height of 30.00 Mtrs.

As per N.B.C. 2016 the aforesaid buildings are to be considered as High Rise Residential Building. Hence this dept. has No Objection if the applicant concerned makes necessary fire fighting arrangement in said building as per N.B.C. norms, Existing CGDCR norms, Gujarat Fire Prevention Life Safety Regulation 2017 and Submitted Drawing. Subject to compliance of following fire safety recommendations by the developer/owner during & after construction.

1. Parking shall not be permitted in courtyards and drive ways of fire appliances.
2. Courtyard shall be kept free from encumbrances & encroachments.
3. No structure of any type shall be permitted in courtyard of the building.
4. There shall not be any trees obstructing fire appliances reach in compulsory open spaces required as per CGDCR.
5. Repairing/servicing of cars, use of naked light shall not be permitted in the car parking areas.
6. Dwelling, use of naked light / flame, repairing / maintenance of vehicles shall be strictly prohibited in the parking area.
7. The driveways shall be property marked and maintained unobstructed, proper illuminated signage shall be provided for escape route.
8. Car parking shall be permitted in the designated area only.
9. The fins with RCC, brick work, hallow blocks or any such construction materials shall not be permitted.
10. The driveways shall be properly marked and maintained unobstructed, proper illuminated signage shall be provided for escape route, car lifts, etc. at prominent location.
11. The layout of staircase shall be enclosed type throughout its height and shall be approached at each floor level.
12. Externally located staircases adequately ventilated to outside air.
13. Permanent vent at the top equal to 5 % of the cross sectional area of the staircase shall be provided.
14. Structural steel members connected to staircase shall be protected with fire retardant coatings.
15. No combustibles shall be kept or stored in staircase / passages.

SURAT MUNICIPAL CORPORATION FIRE & EMERGENCY SERVICES * SURAT *

16. The staircase should not be encroached by shoe-rack, decorative items, earthen pots etc.
17. Walls enclosing lift shaft shall have a fire resistance of not less than two hours.
18. Shaft shall have permanent vent of not less than 0.2 sq. meters in clear area immediately under the machine room.
19. Landing door and lift car door of the lifts shall be of steel shuttered with fire resistance of one hour. No collapsible shutter shall be permitted.
20. The Fire lift shall have a floor area of not less than 1.4 sq. meters it shall have loading capacity of not less than 545 kgs (8 persons lift) with automatic closing doors of minimum 0.8 m. width.
21. The electric supply of fire lift shall be on a separate service from electric supply mains in a building and the cables run in a route safe from fire i.e. within the lift shaft. Light & fans in the elevators having wooden paneling or sheet steel constriction shall be operated on 24 volt supply.
22. Fire lift should be provided with a ceiling hatch for use in case for emergency. So that when the car gets stuck up, it shall be easily openable.
23. In case of failure normal electric supply, it shall automatically changeover to alternate supply. For apartment houses, this changeover of supply could be done through manually operated changeover switch. Alternatively, the lift shall be so wired that in case of power failure, it comes down at the ground level and comes to stand-still with door open.
24. The operation of fire lift should be by a simple toggle or two button switch situated in glass-fronted box adjacent to the lift at the entrance level. When the switch is on, landing call point will become inoperative and the lift will be on car control only or on a priority control devices. When the switch is off, the lift will return to normal working. This lift can be used by the occupants in normal times.
25. The words 'fire lift' shall be conspicuously displayed in fluorescent paints on the lift landing doors at each floor level.
26. The speed of the fire lift shall be such that it can reach the top floor from ground level within one minute. Fire lift shall be constructed as per prevailing standard.
27. Corridor / lift lobby at each floor level shall be naturally ventilated as shown in plan for the upper floors.
28. The common corridor / lift lobby at each floor level shall be kept free from obstruction at all times.
29. Self-glowing / fluorescent exit signs in green colour shall be provided showing the means of escape at each floor of building. Portable lights / insta lights shall be provided at strategic location in the staircase and lift lobby.
30. The staircase and corridor lighting shall be on separate circuits and shall be independently connected so that they could be operated by one switch installation on the ground floor easily accessible to fire fighting staff at any time irrespective of the position of the individual control of the light points, if any.
31. Staircase and corridor lighting shall also be connected to alternate supply.
32. Double throw switches shall be installed to ensure that lighting in the staircase and the corridor do not get connected to two sources of supply simultaneously. A double throw switch shall be installed in the service room to terminate the stand-by-supply.
33. Emergency lights shall be provided in the staircase / corridors.
34. Electric cable shaft shall be exclusively used for electric cables and should not be open in staircase enclosure.
35. Electric shaft shall be sealed at each floor level with non-combustible material such as vermiculite concrete. No storage shall be permitted in electric cabin or shaft.
36. Inspection door for the shaft shall have two hours fire resistance.
37. Electric wiring / cable shall be of non-toxic, non-flammable, low smoke hazard having

copper core fire resistance for the entire building with provision of ELCB/MCB.

38. Electric meter room shall be adequately ventilated, accessible & shall not be under staircase, basement , lift-lobby.
39. Electric wiring shall be having copper core having the fire resistance and low smoke hazard cables for the entire building with provision of ELCB/MCB
40. Low and medium voltage wiring running in shaft and in false ceiling should run in separate conduits.
41. Water mains, telephone lines, intercom lines, gas pipes or any other services should not be laid in the duct for electric cable; use of bus bar/solid rising mains instead of cables is preferred.
42. Separate circuits for fire fighting pumps, lifts, staircase and corridor lighting and blowers for pressurizing system shall be provided directly from the main switch gear panel and these circuits shall be laid in separate conduit pipes so that fuse in one circuit will not affect the others. Such circuits shall be protected at origin by an automatic circuit breaker with its no-volt coil removed.
43. Master switches controlling essential services shall be clearly labeled & provide in the lobby for emergency operation.
44. False ceiling if provided in the building shall be of non-combustible material. Similarly, the suspenders of the false ceiling shall be of non-combustible materials.
45. Materials For Interior Decoration / Furnishing :
    The use of materials which are combustible in nature and may spread toxic fumes/gases should not be used for interior decoration/furnishing, etc.
46. Fire drill / evacuation drill :
    Fire drill and evacuation drill shall be conducted regularly in accordance with fire safety plan of building at least once in a three month in consolation with Mumbai fire brigade and log of the same shall be maintained.
47. Signage's :
    Self-glowing/fluorescent exit signs in green color shall be provided showing the means of escape of the building.
48. Fire Escape Chute : **NOT APPLICABLE.**
49. **Refuge area : External balcony/deck in Bldg. A-B,C-D is considered as a Refuge Area. Therefore any alteration in future shall not be allowed .**
50. Astro turf etc. shall not be permitted in the courtyard and in the drive way.
51. A certificate to the effect that the fire resistance protection has been provided as above shall be furnished from the Structural Engineer/Architect at the time of applying for occupation of the building.
52. All gaps between floor-slabs and to facade assembly shall be sealed at all levels by approved fire resistant Seal and material of 02 hrs fire rating.
53. Sprinkler system for glass facade providing full coverage to the glass.
54. Addressable Fire Alarm & Detection System as per NBC-2016 (Table-7).
55. Openable panels shall be provided on each floor and shall be spaced not more than 10 mt apart measured along the external wall from centre to centre of the access opening.
56. This NOC is issued from fire risk point of view only.
57. Trained man power shall be available for the fire fighting and lift rescue in the building premises round the clock .
58. Any deviation w.r.t. construction shall be verified by the concerned building sanctioning authority.
59. The certificate may not be treated in any case for regularisation for unauthorised construction if any.
60. Form 16 from FPCOR to be submitted at the time of Fire Inspection of building.
61. The opinion is given on the basis of submitting drawings /documents only.

62. Facade & Elevation Design & Drawing shall have to be approved by Registered Facade Consultant.
63. Any other instructions given by the fire department from time to time about fire safety of the Building premises to be followed norms.
64. Fire officer can check the arrangements of Fire safety at any time, this certificate will be withdrawn without any notice if any deficiency is found.
65. Occupants /Owner should apply for renewal of fire safety certificate 01 Month prior expiry of this certificate.
66. Trained officers / security guards :
    The trained security / fire supervisor along with trained staff having basic knowledge of firefighting & fix firefighting installation shall be provided / posted in the building. They will be responsible for the following;
    (a) Maintenance of all the first aid firefighting equipment, fixed installations & other firefighting equipment / appliance in good working condition at all times.
    (b) Imparting training to the occupants of the building in the use of firefighting equipment provided on the premises & keep them informed about fire & other emergency evacuation procedures.
    (c) To liaise with the city fire brigade on regular & continual basis.
    (d) The mock drill with the designated fire marshal for any operation of disaster management plan shall be out regularly after occupation as per National Building Code.
67. The fire department of SMC will not responsible for any loss of life and property due to Fire / Emergency incident.

T.D.O. Shri ,
For information & further process please.

I/C Dy Chief Fire Officer

20-4-2021

FES/ OUTWARD/NOC 365
DT. 20- **04 -2021**

I/C CHIEF FIRE OFFICER
Surat Municipal Corporation

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