



## **Procedure for Issue of NOC for Height Clearance by HAL**

### **1. Introduction**

- 1.1 No Objection Certificate (NOC) for height clearance is a legal document issued by Hindustan Aeronautics Limited, Bangalore on behalf of Central Government so that the airspace around the HAL Airport, Bangalore is maintained free from obstacles to permit the intended aircraft operations to be conducted safely and to prevent the HAL Airport from becoming unusable by the growth of obstacles around the airport.

### **2. Applicability**

- 2.1. The Indian 'Aircraft Act, 1934' Section 9A empowers the Central Government to restrict the construction of buildings and other structures within a radius of 20 Kms of an aerodrome. The current Gazette notification on the subject is Government of India, Ministry of Civil Aviation Notification S.O. 84 (E) dated 14<sup>th</sup> Jan 2010. The criteria employed in this notification are based on Obstacle Limitation Surfaces as discussed in ICAO Annex 14, and other ICAO documents such as Annex 10 and Doc 8168.
- 2.2 Due to specific military aviation requirements, especially low level training and test flying, it is necessary that constructions of structures within HAL Local Flying Areas (LFAs) are notified to HAL. Accordingly, all proposals for construction within LFAs should be processed in order to identify obstacles to low flying by fixed wing & rotary wing aircraft and to update maps and information to aircrew.
- 2.3 Cases where a proposed project is falling within permissible limits but is likely to affect aircraft operations or performance of Navigation aids may be denied NOC or issued with NOC with restrictions.

### **3. Purpose**

- 3.1 Purpose of this document is to standardise the NOC issuing process and to inform the personnel involved about the procedures to be followed prior to the issuance of NOC.

#### 4. Scope

4.1 This document is applicable to all personnel processing NOC cases at HAL Airport, Bangalore.

#### 5. General Procedure

5.1 The Applicants have to submit two sets of application for NOC only by Post, addressed to Deputy General Manager (AO), Airport Services Center, Hindustan Aeronautics Limited (BC), New Control Tower, Marathahalli Post, Bangalore-560037, in the prescribed form, along with relevant documents **(Annexure A)**. It is mandatory for the applicant to provide the following:

- i) Certificate of Location (in terms of Geographical Coordinates in WGS-84 system) and Elevation above Mean Sea Level (AMSL) of the site from Survey of India (SOI), Karnataka State Remote Sensing Application Center (KSRSAC) or MES for defence land.
- ii) A Certificate from BBMP / Local Municipal Authority regarding the details of the site (in terms of Sy. No./ Khatha No./ Plot No./ Municipal No. etc.) with Location Map.
- iii) For construction by a Government agency, a Certificate of elevation and geographical coordinates and details of the site, issued by the officials of the same agency is acceptable. Certificate as mentioned in Para 5.1.(ii) is not required for construction by a Government agency.

5.2 The applications shall be processed by the NOC Committee only after the receipt of the two certificates mentioned in Para 5.1(i) and 5.1(ii) directly from the concerned certifying agency, through official channels and not on the basis of certificates provided by the applicant directly to HAL.

5.3 If the application for NOC is for alterations/modifications of the existing structure, a copy of the earlier NOC for original structure is to be enclosed.

5.4 The applicant shall be responsible for the correctness and integrity of the data furnished in the applications regarding ownership, Location, Geographical



Coordinates and elevation of the site where the construction is proposed. In case at any stage, the data provided by the applicant is found to be incorrect, the NOC issued shall be cancelled.

5.5 On receipt of the application, NOC-Committee will scrutinize the documents. In case of any non-compliance, applicant will be intimated about the details of discrepancies observed in the application. Applicant will then be required to submit the relevant documents in order to make the application acceptable for further processing. Once the NOC application is accepted by NOC-Committee, processing of NOC application will be carried out with respect to Aerodrome & Ground Aids (AGA), Communication, Navigation, Surveillance (CNS) equipment and Procedure for Air Navigation Services – Operations (PANS – OPS) criteria.

5.6 The composition of HAL NOC Committee is as follows:

i)	General Manager	Chairman
ii)	Head of ASC	Member
iii)	In-Charge of Aerodrome Operations (AO)	Member
iv)	Executive (Legal)	Member
v)	Executive from AO	Member (AGA)
vi)	Executive from AO (Radar & Radio)	Member (CNS)
vii)	Executive from AO	Member(PANS-OPS)
viii)	Civil Engineer	Member (Civil)

Note: Chairman, NOC Committee may co-opt any other officer if required.

5.7 The site plotted on the zoning map issued by HAL or on a map of suitably large scale needs to be checked for accuracy.

5.8 To minimize the delay in issuing of NOC to the applicant, NOC Committee meetings shall be held on a monthly basis. Head of Aerodrome Operations shall keep a close check on number of NOC cases received and disposed of.

5.9 All the cases will be decided in accordance with the provision of Govt. of India Gazette and additional restrictions imposed by HAL authorities. At present, there are three additional restrictions / conditions imposed by HAL, to facilitate special test flying at low level. This is a deviation from S.O. 84(E):

- i) Maximum permissible elevation within a radius of 20KM from Aerodrome Reference Point (ARP) of HAL Airport:



1037M AMSL (150M above Aerodrome Elevation of HAL Airport 887M AMSL) instead of 1187 M AMSL (300 M above Aerodrome Elevation of HAL Airport as per S.O. 84 (E))

- ii) Criteria for the structures which do not constitute "Large Objects" mentioned in Para 2.5 and 2.6 of S.O. 84 (E) are not to be implemented.
- iii) Aeronautical Study for permitting more height is not applicable.

5.10 HAL NOC-Committee shall be competent to issue NOC for permissible heights within the applicable Obstacles Limitation Surfaces (OLS) and beyond the limits of OLS up to 30 NM (56 km) of HAL Airport.

5.11 All the applications will be processed and the top permissible elevation/height at the proposed site w.r.to AGA, CNS and PANS-OPS will be calculated individually. The lowest of these three calculations would be recommended by the HAL-NOC-Committee as the top permissible elevation/height.

5.12 If location of the site is closer to Jakkur Aerodrome than HAL Airport and if the requested top elevation of the proposed structure is within the permissible limits w.r.to HAL Airport, then a Conditional NOC will be issued. In such cases, the applicants will be required to get NOC clearance from Airports Authority of India, Bangalore, w.r.to Jakkur Aerodrome also.

5.13 The decision of the NOC Committee is to be communicated to the applicant within a period of six weeks from the date of acceptance of application as mentioned in Para 5.5 or the receipt of documents as per Para 5.1 & 5.2 from respective agencies, whichever is later.

5.14 The procedure for issue of NOC will be reviewed on yearly basis or whenever required as per changes effected in the relevant Gazette Notifications issued by Govt. of India.

## **6. Dispute resolution by Appellate Authority**

6.1 The appellate authority shall be a panel of three members comprising of

- i) MD (BC), as Chairman,
- ii) Chief Test Pilot, as Member,
- iii) Senior GM from HAL (BC), as Member.

- 6.2 Where an applicant is not satisfied with the decision made by the NOC committee, he/she may apply for review to appellate authority. The appellate authority shall consider the appeal and pass appropriate orders as deemed fit. A fee of Rs 2 Lakh plus applicable taxes, is payable to Hindustan Aeronautics Limited (BC), Bangalore for processing the case.
- 6.3 Following timelines shall be adhered to for review cases:
- i) Filing of review by the applicant - Within 90 days from the date of issue of the NOC.
  - ii) Review by Appellate Authority - Within 8 weeks of the date of receipt of letter from applicant.
- 6.4 The grievances shall relate only to the following cases:
- i) Where there has been a delay in disposal of applications
  - ii) Errors in calculation
  - iii) Heights not granted in accordance with the relevant provisions applicable to HAL.
- 6.5 The grievances regarding application of additional restrictions imposed by HAL in variance to provisions of current Gazette Notification shall not be entertained.
- 6.6 The Appellate authority will not hear or consider cases where additional height has been requested.
- 6.7 The decision of the appellate authority shall be final and binding on all concerned.

## **7. NOC Distribution**

- 7.1 A copy of the NOC or the letter mentioning the restricted elevation/height for each application shall be sent to the appellate authority.
- 7.2 A copy of NOC issued shall be sent to the Commissioner, BBMP.
- 7.3 For conditional NOCs w.r.to Jakkur Aerodrome, a copy of the concerned NOC shall be sent to AAI, Bangalore.



## **8. Validity of NOC**

8.1 The validity of NOC in respect of all structures shall be FIVE years from the date of issue.

## **9. Revalidation**

9.1 If an applicant applies for revalidation within the validity period and major work of construction has been completed, the NOC may be revalidated, under the same terms & conditions mentioned in NOC, for a period not exceeding three years for all structures from the date of expiry of NOC. A detailed justification for not completing the construction within the validity period should be obtained from the applicant before revalidation. If the construction has not started, the applicant will have to apply afresh for NOC.

9.2 Cases of revalidation of NOC where height has been granted under shielding benefit principle shall be decided by the Appellate Authority.

## **10. Transferability of NOC.**

10.1 NOC is not transferable. However, in case of change of ownership of property, the applicant is required to apply with supporting documents to Deputy General Manager (AO), to obtain the fresh NOC incorporating the new ownership. NOC may be reissued in the name of owner for the remaining time period of validity of the NOC.

## **11. Queries**

11.1 Any queries or further guidance required on the contents of this document should be addressed to:

Deputy General Manager (AO),  
Airport Services Center,  
Hindustan Aeronautics Limited (BC),  
New Control Tower,  
Marathahalli post,  
Bangalore-560037.

Ph: 080-22315083  
Fax: 080-22313032.

**List of Documents to be provided by the Applicant for the purpose of  
obtaining  
NOC for high rise building from HAL Airport, Bangalore.**

1. Application form duly filled by the applicant or his representative.
2. Notarized affidavit in Rs.50/- Stamp paper by the applicant for the correctness of data furnished.
3. Notarized Form 1A and Form 1B in Rs. 50/- Stamp paper as applicable, duly filled by the applicant or his representative.
4. (a) For construction by a private agency:
  - i) Certificate of Location (in terms of Geographical Coordinates in WGS-84 system) and Elevation above Mean Sea Level (AMSL) of the site from Survey of India (SOI), Karnataka State Remote Sensing Application Center (KSRSAC) or MES for defence land.
  - ii) Certificate from BBMP/Local Municipal authority regarding the details of the site (in terms of Sy. No./ Khatha No./ Plot No./ Municipal No. etc.) and Location Map.
  - iii) Zoning Map issued by HAL or a map of suitably large scale, with the concerned site plotted and signed by officials of agencies mentioned in Para 4(a-i).
- (b) For construction by a Government agency:
  - i) Certificate of elevation and geographical coordinates and details of the site, issued by the officials of the same agency or an agency as mentioned in Para 4 (a-i).
  - ii) Zoning Map issued by HAL or a map of suitably large scale with the concerned site plotted and signed by the officials of the same agency or an agency as mentioned in Para 4 (a-i).
5. Location map of the site, showing nearby landmarks.
6. Building plan showing the vertical profile of the proposed structure.



**HINDUSTAN AERONAUTICS LIMITED**  
**BANGALORE (HAL) AIRPORT**

**APPLICATION FOR “NO OBJECTION CERTIFICATE (NOC)” FOR CONSTRUCTION  
OF BUILDINGS/STRUCTURES AROUND HAL AIRPORT, BANGALORE**

(Please see the guidelines for filing application and the documents to be submitted)

1.	<b>Name of the applicant</b>	
2.	<b>Address for Communication &amp; e-mail</b>	
3	<b>Details of the site</b>	
	<b>a) Plot No./Survey No./Khatha No.</b>	
	b) Eight digit <b>Geo coordinates</b> and Elevations ( <i>reduced level AMSL</i> ) of the proposed site (in case of mast/chimney) and Eight Digit Geo-coordinates of the corners of the site (in case of Building) with Reference Datum- <b>WGS84</b> only (Seconds of the coordinates to be mentioned with two decimals)	1. 2. 3. 4.
	c) Village or Town/ Taluk/ District/ State	
4.	<b>Type of structure</b> proposed to be Constructed ( <i>House/Factory/Chimney/Overhead Water Tank etc.</i> )	
5.	<b>Location of the site</b> ( <i>Distance and direction from the central point of runway</i> )	
6.	<b>Elevation</b> ( <i>reduced level AMSL of the site</i> )	
7.	If the structure proposed is a factory, type of fuel proposed to be used in the furnace be given.	
8.	Elevation (reduced level AMSL) of the highest point of the building/structure proposed.	
9.	Ownership of the site ( <i>Strike out whichever is not applicable</i> )	Self owned/ Leased/ Corporate body/ Society.

Certified that the information given above are correct to the best of my knowledge. The required drawing/certificates/documents duly certified are enclosed.

Signature of the applicant with date.





## Guidelines for filing the application for NOC and the documents to be submitted

- I. Two sets of application completed in all respects should be submitted only by Post to **Deputy General Manager (ASC), Airport Services Center, HAL (BC), New Control Tower, Marathahalli post, Bangalore-560037.**
- II. **Documents to be Attached:**
  1. Application form duly filled by the applicant or his representative.
  2. Notarized affidavit in Rs.50/- Stamp paper by the applicant for the correctness of data furnished.
  3. Notarized Form 1A and Form 1B as applicable in Rs. 50/- stamp paper, duly filled by the applicant or his representative.
  4. (a) For construction by a private agency:
    - i) Certificate of Location (in terms of Geographical Coordinates in WGS-84 system) and Elevation above Mean Sea Level (AMSL) of the site from Survey of India (SOI), Karnataka State Remote Sensing Application Center (KSRSAC) or MES for defence land.
    - ii) Certificate from BBMP/Local Municipal authority regarding the details of the site (in terms of Sy. No./ Khatha No./ Plot No./ Municipal No. etc.) and Location Map.
    - iii) Zoning Map issued by HAL or a map of suitably large scale, with the concerned site plotted and signed by officials of agencies mentioned in Para 4(a-i).
  - (b) For construction by a Government agency:
    - i) Certificate of elevation and geographical coordinates and details of the site, issued by the officials of the same agency or an agency as mentioned in Para 4 (a-i).
    - ii) Zoning Map issued by HAL or a map of suitably large scale with the concerned site plotted and signed by the officials of the same agency or an agency as mentioned in Para 4 (a-i).
5. Location map of the site, showing nearby landmarks.
6. Building plan showing the vertical profile of the proposed structure.
- III. Under Sl. No. 9 of the application form, if the site is leased from other parties, a copy of the lease agreement to be attached with the application.
- IV. If the application for NOC is for alterations/modifications of existing structure, a copy of earlier NOC for original structure is to be enclosed.
- V. The sectional and elevation drawings should include all installations planned above the structure such as radio/television/microwave/telecom aerial /mast, lightning arrester, vent pipes, overhead water tanks and attachments on superstructure of any description.
- VI. Zoning maps are available with the Office of the General Manager (ASC)/Senior Manager (Security), Gate No.30, HAL Airport and can be obtained on payment of Rs.500/ (Rupees Five Hundred only).
- VII. All above documents are to be submitted in original along with the application form.
- VIII. Any clarification can be addressed to DGM (AO), ASC, HAL(BC), Bangalore. Ph: 080-22315083. Fax: 080-22313032.



**(Rs. 50/- Stamp Paper & Notarized)**

**Declaration**

I \_\_\_\_\_, aged \_\_\_\_\_ years, S/o \_\_\_\_\_ residing at \_\_\_\_\_ and working as \_\_\_\_\_ in \_\_\_\_\_ is authorized to sign this declaration.

The information and data submitted along with the application for NOC for the site located at \_\_\_\_\_(Sy. Nos. and address), with regard to ownership, location, geographical co-ordinates and elevation and all the other information is true to the best of my knowledge and belief.

I shall be personally responsible for the information furnished in the application and other documents and indemnify HAL in case of any information is found to be incorrect.

I understand that, if, however, at any stage it is established that the data tendered by me/us is different from the actual one, the NOC issued shall stand cancelled and the structure or part(s) thereof, constructed over and above the permissible top elevation shall be demolished by me/us at my/our own cost, as directed by HAL Airport, Bangalore.

**(Name, Signature & Date of the Applicant)**

**Witness:**

1)

2)



(Rs. 50/- Stamp Paper & Notarized)

**FORM 1A**

**UNDERTAKING**

I/We....., the applicant(s) for the proposed construction at ..... do hereby undertake:-

1. Not to commence the proposed construction before grant of NOC by HAL Airport, Hindustan Aeronautics Limited, Bangalore.
2. Not to complain/ claim compensation against aircraft noise, vibrations, damages etc. to me/us or other occupants or to the property or to the house or part thereof to be constructed by us.
3. The Highest Elevation of the proposed site is \_\_\_\_\_ Meters AMSL.
4. No radio/Television/Microwave/Telecom aerial mast, lightening arresters, staircase room, lift machine room, vent pipes, overhead water tanks and attachments or super structures of any description will project above \_\_\_\_\_ Meters (AGL) of the structure and \_\_\_\_\_ Meters (AMSL).
5. To avoid attraction of birds, all garbage/waste materials shall be disposed off in a scientific manner. Drains and manholes shall always be kept covered.

Signature of the applicant with date.

Signature, Name and Address of the witnesses:

1)

2)

Date:



(Rs. 50/- Stamp Paper &Notarized)

**FORM 1B**

**UNDERTAKING**

I/We ....., the applicant(s) for the proposed construction at ....., do hereby undertake:-

1. That I/We will use oil fired, electric furnace or any other type of fuel in my/our factory/industrial unit that will not cause smoke hazard. (Applicable to industrial units and chimneys located within 8 Kms of HAL Airport.)

Signature of the applicant with date.

Signature, Name and Address of the witnesses:

1)

2)

Date: