

Reply to RTI questions bearing registration number AAQIN/R/T/26/00147 received on 16/04/2026.

S. No.	Question	Reply
1	In context of licensing or operational authorisation for heliports please share with supporting official document the sequence of securing a four-letter location indicator with associated official timelines.	Not to be replied as per remarks of RTI Details.
2	Please state if DGCA accepts heliport operator request for design of instrument approaches to DGCA under PBN concept while the operator parallelly applies for securing the four-letter location indicator. Request supporting official documents for the reply.	Instrument flight procedures (IFPs) are designed and maintained as per DGCA CAR Section 9 series P Part-I issued by DGCA and same are available in public domain vide www.dgca.gov.in .
3	Please state if design of said instrument approaches can be undertaken both for LNAV line of minima but not for LPV line of minima while parallelly applying for heliport location indicator. Request supporting references to the reply.	For LPV Procedures SBAS Code is require to be obtain from ICAO and location indicator is one of the mandatory fields of the proforma (copy attached). Furthermore, location indicator is also one of the mandatory fields of FAS Data Block. ICAO Doc 8168 Vol-2 may be referred.
4	Is there an airport in India where instrument approaches under PBN concept down to LPV line of minima was published as the only available instrument approach?	NO

Signature
27.4.26

गिरीश श्रीवास्तव / GIRISH SHRIVASTAV
मानवस्य (ए.डी.ए.ए.ए.डी.) / General Manager (ATMA-FPO)
राष्ट्रीय विमानचारा सभित्तस्य / Airports Authority of India
उत्तरीय गंधी वरुण / Rajiv Gandhi Bhawan
सफरदुर्ग वरुण अड्डा / Safdarjung Airport
नई दिल्ली-110003 / New Delhi-110003

FAS DATA BLOCK RNP Z RWY 05-VORY

Operation Type	0
SBAS Provider	3 (GAGAN)
Airport Identifier	VORY
Runway	05
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	Z
Reference Path Data Selector	0
Reference Path Identifier	G05A
LTP/FTP Latitude	170550.3110N
LTP/FTP Longitude	0814804.5910E
LTP/FTP Ellipsoidal Height (metres)	-48.0
FPAP Latitude	170651.9035N
Delta FPAP Latitude (seconds)	61.5925
FPAP Longitude	0814930.3750E
Delta FPAP Longitude (seconds)	85.7840
Threshold Crossing Height	50.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	30 19 12 0F 16 05 D0 00 01 35 30 07 CE 5D 56 07 DE F4 1A 23 20 12 31 E1 01 30 9E 02 F4 01 2C 01 64 00 C9 FA 77 12 A0 8E
Calculated CRC Value	7712A08E

TABULAR DESCRIPTION RNP Z RWY 05 VORY:-

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Distance/ Time	Turn Direction	Altitude	Speed Limit	VPA/TCH	Navigation Specification
					NM/Min		(ft)	(Kt)		
10	IF	RY503		-	-	-	+4800.00	-185.00	-	RNP APCH
20	TF	RY510		144.34° Mag / 143.17° True	4.73	-	+3000.00		-	RNP APCH
30	TF	RY508		084.36° Mag / 083.19° True	4.54	-	+2200.00		-	RNP APCH
10	IF	RY504		-	-	-	+4600.00	-185.00	-	RNP APCH
20	TF	RY508		054.36° Mag / 053.19° True	6.00	-	+2200.00		-	RNP APCH
10	IF	RY505		-	-	-	+4600.00	-185.00	-	RNP APCH
20	TF	RY509		324.39° Mag / 323.22° True	4.73	-	+3000.00		-	RNP APCH
30	TF	RY508		024.37° Mag / 023.20° True	4.54	-	+2200.00		-	RNP APCH
10	IF	RY508		-	-	-	+2200.00	-185.00	-	RNP APCH
20	TF	RY028		054.38° Mag / 053.21° True	3.22	-	@2200.00		-	RNP APCH
30	TF	RW05	Y	054.39° Mag / 053.22° True	6.47	-	@138.39		-3.00/50.0	RNP APCH
40	CF	RY515	Y	054.41° Mag / 053.24° True	4.00	-	-	-210.00	-	RNP APCH
50	DF	RY505	-	-	-	R	+4600.00	-210.00	-	RNP APCH
60	HM	RY505	Y	324.38° Mag / 323.22° True	1 MIN	R	+4600.00	-230.00	-	RNP APCH
10	HM	RY504	Y	054.36° Mag / 053.18° True	1 MIN	R	+4600.00	-230.00	-	RNP APCH

WAYPOINT LIST :-

Waypoint Identifier	Coordinates
RY503	N 17:03:16.23E 081:32:18.20
RY510	N 16:59:28.19E 081:35:15.64
RY508	N 17:00:00.60E 081:39:58.09
RY515	N 17:08:14.49E 081:51:25.39
RY505	N 16:52:00.92E 081:41:03.23
RY504	N 16:56:24.07E 081:34:57.34
RY028	N 17:01:56.88E 081:42:39.74
RW05	N 17:05:50.31E 081:48:04.59
RY509	N 16:55:49.04E 081:38:06.02

INSTRUMENT APPROACH CHART

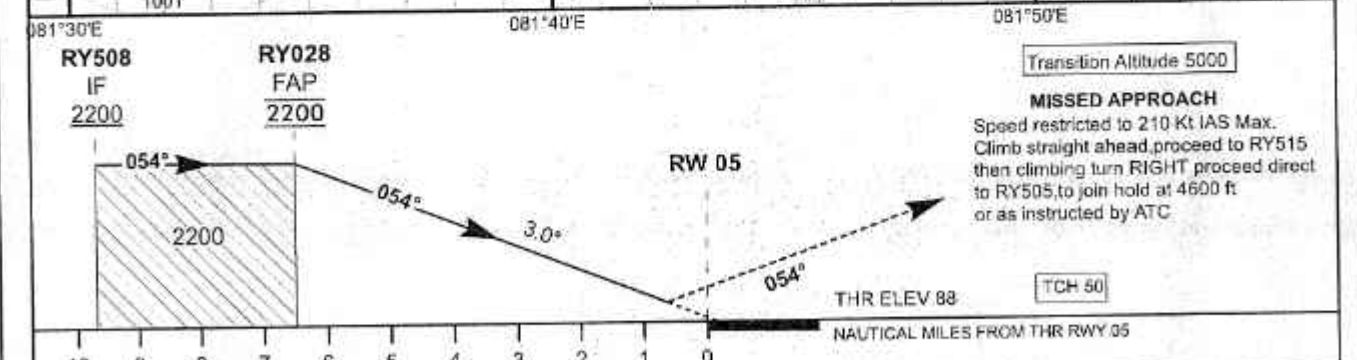
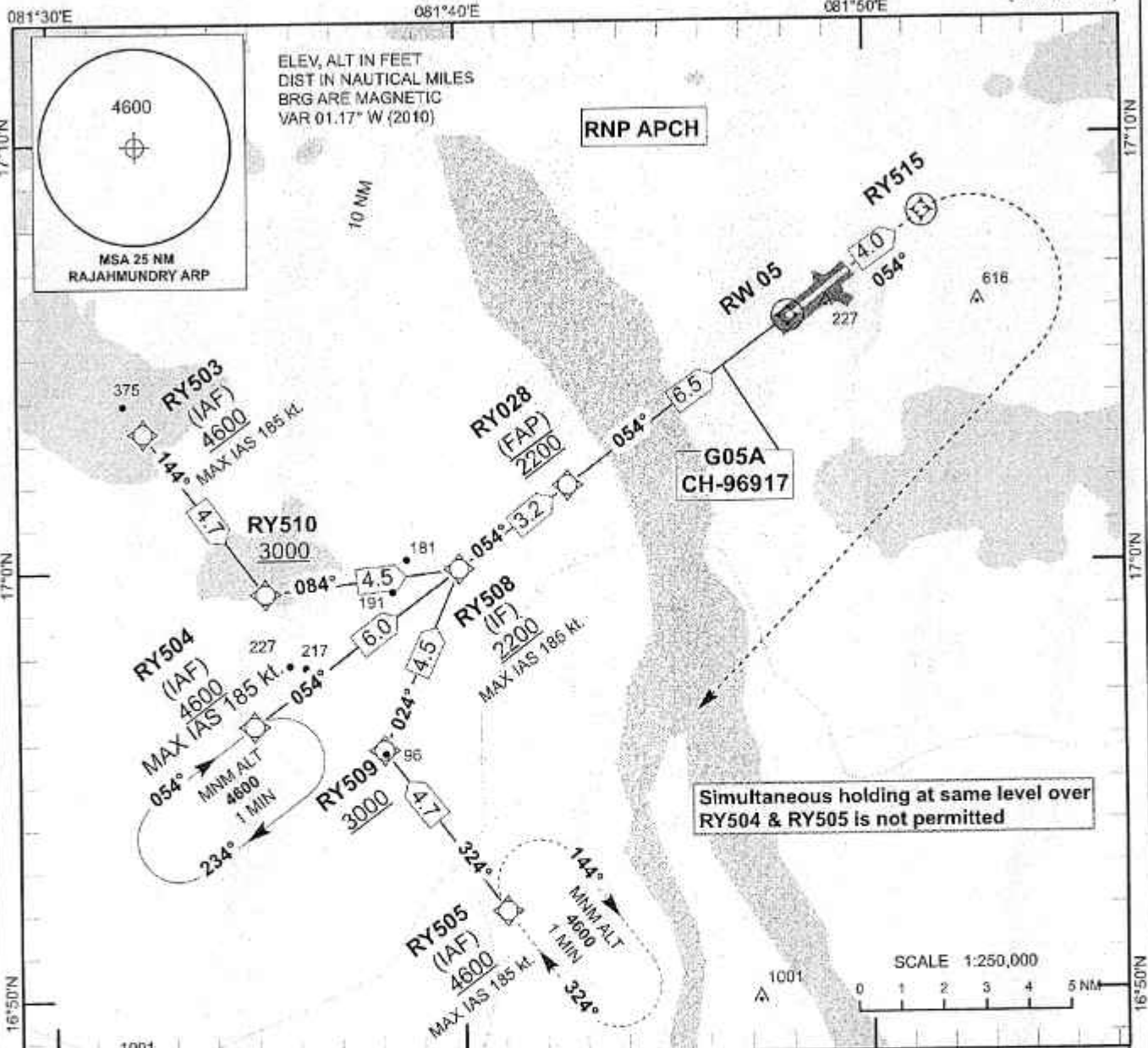
**GAGAN(SBAS)
CH-96917
G05A**

AERODROME ELEV 156 ft

HEIGHTS RELATED TO
THR RWY 05 - ELEV 88 ft

APP 122.300
TWR 122.300

INDIA
RNP Z RWY 05
(CAT A/B/C)
(LPV ONLY)



OCA(H)	A	B	C
LPV	339(251)		



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

GAGAN Channel Allocation Request Form

To be filled by the GAGAN Channel allocation requesting agency			
Originator			
1.	Name	AJIT SINGH	
2.	Designation	MGR(ATM-FPD)	
3.	Organization and Directorate	AAI, ASM	
4.	Date of Requisition [DD/MM/YYYY]	08/04/2024	
Channel Request Details			
1.	State		
2.	Airport Information	Airport Name	HAL Airport, BENGALURU
3.		Airport Location	India ✓
4.		Airport ICAO Designator	VOBG ✓
5.		Latitude	12° 57' 07.8330" N
6.		Longitude	077° 39' 51.9020"E
7.	International/Domestic	Domestic ✓	
8.	Heliport/Helipad?	Yes / No	
9.	If No, then Runway Designator (along with Suffix L/R/C) if parallel runway)	09 ✓	
10.	If Yes, then type the final approach segment orientation between 1 and 360		
11.	Chart Identification (e.g. RNP Z RWY 23)	RNP Z RWY 09 ✓	
12.	SBAS System	GAGAN ✓	
13.	Procedure (Select only one)	<input checked="" type="checkbox"/> APV-I ✓ <input type="checkbox"/> CAT-I	
14.	Implementation Year (in YYYY), it could be between Current Year (CY) and CY+2 including CY	2026 ✓	
15.	Lines of Minima (Select all that apply)	<input type="checkbox"/> LNAV <input type="checkbox"/> LNAV/VNAV <input type="checkbox"/> LP <input checked="" type="checkbox"/> LPV ✓ <input type="checkbox"/> AR	
16.	Any other details		

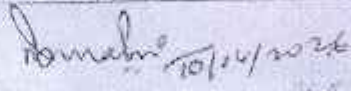
MASINGL
08/04/2024
Signature with Date

Note:

- All fields except field '12' are mandatory.
- Only one channel number could be requested through a single form.

65

23X9930/2026/D/a GM(FPD)

To be filled by the Channel Allocation Authority		
1.	Airport Name and Designator	HAL AIRPORT VOBG
2.	Chart Identifier	RNP Z RWY 09
3.	Allocated Channel Number	79812
4.	Date of Issuing Channel Number	10 th April 2026
5.	Reference Number for Internal use	65/2026/02
Name, Designation & Signature (State Authorized Officer)		 10/14/2026

मोहन लाल भावडी / Mohan Lal Mahu
स. महाप्रबन्धक (सी.एन.एस.) / Jt. General Manager (CNS)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
गगन कॉम्प्लेक्स, कुन्दलहॉली / GAGAN Complex, Kundalahalli
बेंगलूरु / Bengaluru-560037



Home (/) User Settings (/USER_STATE) Request a Channel (/SBAS_MASTER/Create) Release a Channel (/SBAS_MASTER/Delete) View Channel Details (/SBAS_MASTER/Details) Help (/Content/pdf/UserGuide.pdf)

Assigned channel details

Channel number : 79812 has been assigned to you.

Channel details

Channel Number

79812

State

India

Territory

City

Bengaluru

Airport Code

VOBG

Airport Name

Hal Airport

Runway

0

Helipad/Helipad

Chart Identification

RNP 2 RWY 09

SBAS System

GAGAN

Procedure

APV-I

CAT-I

Request Date

10/04/2026

Implementation Date

2026

Lines of minima

LNAV	LNAV/VNAV	LP	LPV	AR

Comments

Availability Date

Status

ASSIGNED

Assigned on

10/04/2026 06:30:57

65

Last update

13/04/2020 06:30:57

Requested by

mrcslv

Created by

mrcslv

Updated by

mrcslv



Address

999 Robert-Bourassa Boulevard
Montréal, Québec, H3C 5H7, Canada
Tel.: +1 514-954-8219
Fax: +1 514-952-6577

About ICAO

ICAO in Brief

<https://www.icao.int/about-terms-conditions> (<http://www.icao.int/Pages/Disclaimer.aspx>)
<http://www.icao.int/Pages/default.aspx>

Mission

<https://www.icao.int/about-contact-us/emails/SBAS@icao.int>
<https://www.icao.int/Council/Pages/mission-subject-information/en%20about%20SBAS%20Chambers%20Number%20Allocation> (<https://www.icao.int/Pages/default.aspx>)

Headquarters

<https://www.icao.int/Pages/default.aspx>

Copyright

<https://www.icao.int/Pages/default.aspx>