



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

By Speed Post/Email

सं: भा.वि.प्रा/वि.सं./13-05/आरटीआई/2021-22/ 83

दिनांक: 07.07.25

To,

Shri Tarun Shukla,
The Economic Times,
7, Bahahdur Shah Zafar Marg,
Delhi - 110 002
Email ID: tarunsmail@gmail.com
Mobile No -9899220259

विषय: सूचना का अधिकार अधिनियम 2005 के तहत मांगी गई सूचना।

Sub: Information sought under RTI Act' 2005.

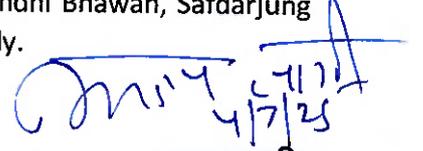
महोदय,

Please refer your request under RTI Act'2005 bearing Registration No. AAOIN/R/E/25/01026/3 and date of Receipt 23.06.2025 on subject cited above.

S. NO.	Query	Reply
1	How many ILS are there in the country currently?	Request forwarded to Shri Anil Kumar S., General Manager (CNS-SQ and NAV-aids/CPIO vide ION No. AAI/AVS/13-05/RTI/2021-22-80 dated 4.07.25 for furnishing the information (copy attached).
2	Please provide the names of the airports where these ILS are located?	
3	Please provide the dates on which they were calibrated in the past 2 years for each of these airports ILS with the name of the firm/organization that did it?	
4	Also mention the date of license renewal by DGCA for each of these and operational AAI airports?	Request forwarded to Shri L D Mohanty, General Manager (Licensing) vide ION No. AAI/AVS/13-05/RTI/2021-22-81 dated 4.07.25 for furnishing the information.
5	Please also provide a copy of Ahmedabad airport license renewal by DGCA and the report prepared by DGCA leading up to it and thereafter, if any?	Information is not available with this office.
6	Please also provide a list of steps mandated by the court of inquiry in Air India Express crash in Mangalore and Calicut to be carried out by AAI, and if they have been completed and if not reasons thereof?	Forwarded to Shri L Panneerselvam, JGM (AVS-ATM) and HoDs Aviation Safety, Southern Region for vide letter No. AAI/AVS/13-05/RTI/2021-22-82 dated 4.07.25 for furnishing the information.

1 | Page

In case, you are not satisfied with the information provided then you are at the liberty to file an appeal before the First Appellate Authority- Executive Director (Aviation Safety), Room number-222, A' Block, Airports Authority of India, Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi – 10003 within 30 days of the receipt of this reply.



(अजय त्यागी)

महाप्रबंधक (विमानन संरक्षा) एवं केन्द्रीय लोक सूचना अधिकारी

प्रतिलिपि :

1. श्री पी.के .असीवाल, संयुक्त महाप्रबंधक) आरटीआई/(केन्द्रीय आरटीआई सेल, मुख्यालय - सूचनार्थ हेतु पत्र सं AAOIN/R/E/25/01026/3 दिनांक 23.06.2025.

RTI REQUEST DETAILS (आरटीआई अनुरोध विवरण)

Registration Number (पंजीकरण संख्या) :	AAOIN/R/E/25/01026/3	Date of Receipt (प्राप्ति की तारीख) :	23/06/2025
Type of Receipt (रसीद का प्रकार) :	Online Receipt	Language of Request (अनुरोध की भाषा) :	English
Name (नाम) :	Tarun Shukla	Gender (लिंग) :	Male
Address (पता) :	The Economic Times, 7, Bahadur Shah Zafar Marg, Delhi		
State (राज्य) :	Delhi	Country (देश) :	India
Phone Number (फोन नंबर) :	+91-9899220259	Mobile Number (मोबाईल नंबर) :	+91-9899220259
Email-ID (ईमेल-आईडी) :	tarunsmail@gmail.com		
Status (स्थिति)(Rural/Urban) :	Urban	Education Status :	Above Graduate
Is Requester Below Poverty Line ? (क्या आवेदक गरीबी रेखा से नीचे का है?) :	No	Citizenship Status (नागरिकता) :	Indian
Amount Paid (राशि का भुगतान) :	0 (Received by Airports Authority of India) (original recipient)	Mode of Payment (भुगतान का प्रकार) :	Payment Gateway
Does it concern the life or Liberty of a Person? (क्या यह किसी व्यक्ति के जीवन अथवा स्वतंत्रता से संबंधित है?) :	No(Normal)	Request Pertains to (अनुरोध निम्नलिखित संबंधित है) :	Ajay Tyagi
Information Sought (जानकारी मांगी) :	Please also provide a list of steps mandated by the court of inquiry in Air India Express crash in Mangalore and Calicut to be carried out by AAI, and if they have been completed and if not reasons thereof		
	(1) How many ILS are there in the country currently?		
	(2) Please provide the names of the airports where these ILS are located.		
	(3) Please provide the dates on which they were calibrated in the past 2 years for each of these airports ILS with the name of the firm/organization that did it.		
Original RTI Text (मूल आरटीआई पाठ) :	(4) Also mention the date of license renewal by DGCA for each of these and operational AAI airports		
	(5) Please also provide a copy of Ahmedabad airport license renewal by DGCA and the report prepared by DGCA leading up to it and thereafter, if any		
	(6) Please also provide a list of steps mandated by the court of inquiry in Air India Express crash in Mangalore and Calicut to be carried out by AAI, and if they have been completed and if not reasons thereof		
<input type="button" value="Print"/> <input type="button" value="Save"/> <input type="button" value="Close"/>			

भारतीय विमानपत्तन प्राधिकरण
(विमानन संरक्षा निदेशालय)

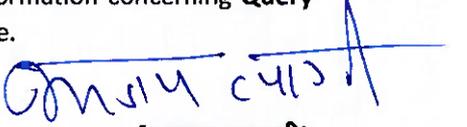
स0- भा.वि.प्रा/वि.सं./13-05/आरटीआई/2021-22-80

दिनांक-04.07.2025

अंतरविभागीय टिप्पणी

विषय: सूचना का अधिकार अधिनियम 2005 के तहत मांगी गई सूचना ।
Sub: Information sought under RTI Act' 2005.

The application received by this office from Mr. Tarun Shukla (Registration No-AAOIN/R/E/25/01026/3 and date of receipt 23.06.2025(copy attached) is being forwarded to you under clause 6(3) of the act with a request to furnish the required information concerning Query number 1, 2 and 3 directly to the applicant under intimation to this office.


(अजय त्यागी)

महाप्रबंधक (विमानन संरक्षा)/केंद्रीय लोक सूचना अधिकारी

श्री अनिल कुमार एस., महाप्रबंधक (सीएनएस-एसक्यूए और नेवएड्स)/ लोक सूचना अधिकारी

प्रतिलिपि (सूचनार्थ) :

1. श्री तरुण शुक्ला, द इकोनॉमिक टाइम्स, 7, बहादुर शाह जफर मार्ग, दिल्ली, मोबाइल नंबर 9899220259, ईमेल आईडी:- tarunsmail@gmail.com
2. श्री पी.के. असीवाल, संयुक्त महाप्रबंधक) आरटीआई/(केन्द्रीय आरटीआई सेल), राजीव गांधी भवन, नई दिल्ली - 110003.

भारतीय विमानपत्तन प्राधिकरण
(विमानन संरक्षा निदेशालय)

स0- भा.वि.प्रा/वि.सं./13-05/आरटीआई/2021-22-81

दिनांक-04.07.2025

अंतरविभागीय टिप्पणी

विषय: सूचना का अधिकार अधिनियम 2005 के तहत मांगी गई सूचना ।

Sub: Information sought under RTI Act' 2005.

The application received by this office from Mr. Tarun Shukla (Registration No-AAOIN/R/E/25/01026/3 and date of receipt 23.06.2025) is being forwarded to you under clause 6(3) of the act with a request to furnish the required information concerning **Query number 4 directly to the applicant** under intimation to this office.

अजय त्यागी

(अजय त्यागी)

महाप्रबंधक (विमानन संरक्षा)/केंद्रीय लोक सूचना अधिकारी

श्री एल डी मोहंती, महाप्रबंधक (लाइसेंसिंग)/केंद्रीय लोक सूचना अधिकारी

प्रतिलिपि (सूचनार्थ) :

1. श्री तरुण शुक्ला, द इकोनॉमिक टाइम्स, 7, बहादुर शाह जफर मार्ग, दिल्ली, मोबाइल नंबर 9899220259, ईमेल आईडी:- tarunsmail@gmail.com
2. श्री पी.के. असीवाल, संयुक्त महाप्रबंधक आरटीआई/केन्द्रीय आरटीआई सेल), राजीव गांधी भवन, नई दिल्ली - 110003.



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

संख्या/No.: AAI/AL/36-23/RTI/2018/1979

दिनांक / Date: 07-07-2025

सेवा में,

श्री तरुण शुक्ला

द इकोनॉमिक टाइम्स

7, बहादुर शाह जफर मार्ग, नई दिल्ली

To,

Mr. Tarun Shukla

The Economic Times,

7, Bahadur Shah Zafar Marg, New Delhi

ई-मेल/e-mail: tarunsmail@gmail.com

मोबाइल/Mobile: 9899220259

विषय: सूचना का अधिकार एक्ट के अंतर्गत मांगी गई जानकारी के संबंध में,

Sub: Information asked under right to Information act

पंजीकरण संख्या / registration number: AAOIN//R/E/25/01026/3 DATED 23-06-2025

महोदय,

उपरोक्त संदर्भ में आपके द्वारा मांगी गई कुल जानकारी में से पैरा 4 के अंतर्गत मांगी गई जानकारी के संबंध में यह बताया जाता है की भा.वि.प्रा. के सभी आपरेशनल विमानपत्तनों को डी.जी.सी.ए. द्वारा प्रदत्त एयरोड्रोम लाइसेंस की जानकारी डी.जी.सी.ए. की वेब साइट (www.dgca.gov.in) पर इस लिंक के तहत उपलब्ध है। इस संबंध में अन्य जानकारी के लिए जारीकर्ता संस्था डी.जी.सी.ए. से संपर्क किया जा सकता है।

Sir,

In reference to the above context, it is being informed that the information asked by you in para 4 of your queries, w.r.t. date of issue of aerodrome license to all operational airports of AAI by DGCA is available on the website of DGCA (www.dgca.gov.in) under the link given below. Further information required if any can be taken from the issuing-authority i.e. DGCA.

लिंक / link: https://www.dgca.gov.in/digigov-portal/baseLocale=en_US?page=scan?requestType=ApplicationRH&actionVal=loadAerodromeDtIs&objval=3&screenId=26110181&LicenseTypeFlag=1

एल. डी. मोहंती / L.D.Mohanty

महाप्रबंधक - ए एल / General Manager-A.L.
एल. डी. मोहंती / L. D. MOHANTY

प्रतिलिपि/ CC:

1. श्री अजय त्यागी, महाप्रबंधक (विमानन संरक्षा)/केंद्रीय लोक सूचना अधिकारी (विमानन संरक्षा) / Sh. Ajay Tyagi, GM (Aviation safety) / CPIO, AAI New Delhi
2. श्री पी.के. असीवाल, संयुक्त महाप्रबंधक (केंद्रीय आर.टी.आई. सेल), राजीव गांधी भवन, नई दिल्ली / Sh. P. K. Asiwali, Jt.GM (Central RTI Cell), Rajiv Gandhi Bhawan, New Delhi, 110003



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

By Speed post/email

सं: भा.वि.प्रा.वि.सं./13-05/आरटीआई/2021-22 - 82

दिनांक: 04.07.2025

To,

Shri L Paneerselvam
JGM (AVS-ATM), HoD of Aviation Safety, Southern Region, and
Public Information Officer,
O/o Regional Executive Director,
Airports Authority of India,
Southern Region, Chennai Airport.
Email ID: jgm-as-sr@aai.aero

विषय: सूचना का अधिकार अधिनियम 2005 के तहत मांगी गई सूचना।

Sub: Information sought under RTI Act 2005.

महोदय,

The application received by this office from Mr. Tarun Shukla (Registration No- AAOIN/R/E/25/01026/3 and date of receipt 23.06.2025) is being forwarded to you under clause 6(3) of the act with a request to furnish the required information concerning Query number 6 directly to the applicant under intimation to this office.

(अजय त्यागी)

महाप्रबंधक (विमानन संरक्षा) एवं पीआईओ

प्रतिलिपि (सूचनार्थ) :

1. श्री तरुण शुक्ला, द इकोनॉमिक टाइम्स, 7, बहादुर शाह जफर मार्ग, दिल्ली, मोबाइल नंबर 9899220259, ईमेल आईडी:- tarunsmail@gmail.com
2. श्री पी.के. असीवाल, संयुक्त महाप्रबंधक आरटीआई/केन्द्रीय आरटीआई सेल), राजीव गांधी भवन, नई दिल्ली - 110003.

FW: Information sought by Shri Tarun Shukla under RTI Act

GM Aviation Safety, CHQ

Tue 15/07/2025 10:37

To: Chandra Shekhar <chandra01@AAI.AERO>;

5 attachments

RTI Query(6)-reply.pdf; Information sought by Shri Tarun Shukla under RTI Act.pdf; Letter to Mr L Panneerselvam, JGM (AVS-ATM), SR.pdf; Mangaluru ATR.pdf; Calicut ATR.pdf;

From: JGM(Aviation Safety)-SR <jgm-as-sr@AAI.AERO>

Sent: 15 July 2025 10:04

To: tarunsmail@gmail.com

Cc: ED Aviation Safety <edas@AAI.AERO>; GM Aviation Safety, CHQ <gmaschq@AAI.AERO>; RED AAI Southern Region <redsr@AAI.AERO>; Public Information Officer, SR <pio-rti-sr@AAI.AERO>; RTI Cell, CHQ <rti.chq@AAI.AERO>; GM(ATM) SR <sr.gmatm@AAI.AERO>

Subject: FW: Information sought by Shri Tarun Shukla under RTI Act

Sir,

With reference to RTI Request Reg No. AAI/OIN/R/E/25/01026/3, please find attached information pertaining to Mangalore and Calicut Airports for Query No. 6.

Mangaluru International Airport has been handed over to M/s Mangaluru International Airport Ltd from 31.10.2020 as Airport Operator under PPP mode. ATR submitted to DGCA in 2020 has been attached. 03 observations pertaining to Air Navigation Services being provided by AAI at Mangaluru International Airport has been complied. Status of other points may be obtained from the Airport Operator M/s MgIL.

In case, you are not satisfied with reply/ information, you may prefer an appeal within 30 days to the First Appellate Authority. The details of FAA are given below.

एस.जी. पनिकर, / S.G Panicker,
क्षेत्रीय कार्यकारी निदेशक / प्रथम अपीलिय प्राधिकारी
Regional Executive Director / First Appellate Authority
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India,
क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, / Regional Headquarters, Southern

Region,

चेन्नई हवाई अड्डा / Chennai Airport
चेन्नई / Chennai - 600 016
फ़ोन नंबर / Phone No: 044 22561234
ईमेल / E- mail: redsr@aaai.aero

Thanks and regards,

(एल पनीसेल्वम / L. Panneerselvam)

संयुक्त महाप्रबंधक (वि.वा.प्र) और

विभागध्यक्ष, वि. संस्था-दक्षिणी क्षेत्र

Jt. General Manager (ATM) &

HOD, AVS-SR. EXTENTION NO: 044-22567541

-----Original Message-----

From: JGM(Aviation Safety)-SR <jgm-as-sr@AAI.AERO>

Sent: 08 July 2025 11:18

To: tarunsmail@gmail.com

Cc: ED Aviation Safety <edas@AAI.AERO>; RED AAI Southern Region <redsr@AAI.AERO>; GM Aviation Safety, CHQ <gmaschq@AAI.AERO>; RTI Cell, CHQ <rti.chq@AAI.AERO>; GM(ATM) SR <sr.gmatm@AAI.AERO>; CIC, Mangalore <cic.voml@AAI.AERO>; Airport Director Calicut <apd_calicut@AAI.AERO>

Subject: FW: Information sought by Shri Tarun Shukla under RTI Act

Sir,

With reference to RTI Request Reg No. AAI/OIN/R/E/25/01026/3, please find attached information pertaining to Mangalore and Calicut Airports for Query No. 6.

Mangaluru International Airport has been handed over to M/s Mangaluru International Airport Ltd from 31.10.2020 as Airport Operator under PPP mode. ATR submitted to DGCA in 2020 has been attached. 03 observations pertaining to Air Navigation Services being provided by AAI at Mangaluru International Airport has been complied. Status of other points may be obtained from the Airport Operator M/s MgIL.

Thanks and Regards,

(एल पन्नीसेल्वम / L. Panneerselvam)

संयुक्त महाप्रबंधक (वि.या.प्र) और

विभागप्रमुख, वि. संस्था-दक्षिणी क्षेत्र Jt. General Manager (ATM) & HOD, AVS-SR. EXTENTION NO: 044-2256754

From: GM Aviation Safety, CHQ

Sent: Friday, July 4, 2025 5:45 PM

To: JGM(Aviation Safety)-SR

Cc: ED Aviation Safety; RED AAI Southern Region; RTI Cell, CHQ; tarunsmail@gmail.com

Subject: Information sought by Shri Tarun Shukla under RTI Act

Dear Sh. Panneer Selvam

The application received by this office from Mr. Tarun Shukla (Registration No- AAOIN/R/E/25/01026/3 and date of receipt 23.06.2025(copy attached) is being forwarded to you under clause 6(3) of the act with a request to furnish the required information concerning Query number 6 directly to the applicant under intimation to this office.

Regards

अजय त्यागी/Ajay Tyagi

महाप्रबंधक (वि.से.)/General Manager (Aviation Safety) भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India स्कोप कॉम्प्लेक्स /Scope Complex लोदी रोड / Lodi Road नई दिल्ली /New Delhi दूरभाष/Phone (O) : 011-24364469
(M) : +91-9650057873

Email : gmaschq@aai.aero



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

JAS-ANZ



ISO 9001:2015 Certified

क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, चेन्नई
REGIONAL HEADQUARTERS, SOUTHERN REGION, CHENNAI

संदर्भ / Ref: 2025 AAI/SR/AVS/RTI/ 2025 - 01

दिनांक / Date: 14.07.2025

सेवा में / To,

Shri. Tarun Shukla

विषय / Sub: आरटीआई अधिनियम, 2005 के तहत सूचना - श्री तरुण शुक्ला का आवेदन - के संबंध में। / Information under RTI act, 2005 – Application of Shri Tarun Shukla – reg.

संदर्भ / Ref: AAOIN/ R/E/25/ 01026/3 dated 23.06.2025

महोदय / महोदया / Sir/ Madam,

कृपया उपरोक्त ऑनलाइन आरटीआई अनुरोध का संदर्भ लें।- प्रश्न संख्या 6.

Reference may please be made to your online RTI request as above-Query number 6.

इस संबंध में सूचना संरक्षक द्वारा दी गई जानकारी संलग्न है।

In this regard, the information furnished by the custodian of information is attached herewith.

No.	Query	Reply
1.	Query no: 6 Please also provide a list of steps maintained by the court of inquiry in Air India Express crash in Mangalore and Calicut to be carried out by AAI, and if they have been completed and if not reasons there off.	Attached



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

JAS-ANZ



ISO 9001:2015 Certified

क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, चेन्नई
REGIONAL HEADQUARTERS, SOUTHERN REGION, CHENNAI

यदि आप उत्तर/सूचना से संतुष्ट नहीं हैं, तो आप प्रथम अपीलीय प्राधिकारी के समक्ष 30 दिनों के भीतर अपील कर सकते हैं।

In case, you are not satisfied with reply/ information, you may prefer an appeal within 30 days to the First Appellate Authority.

एफएए का विवरण नीचे दिया गया है। / The details of FAA are given below.

एस.जी. पनिकर, / S.G Panicker,

क्षेत्रीय कार्यकारी निदेशक / प्रथम अपीलीय प्राधिकारी

Regional Executive Director / First Appellate Authority

भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India,

क्षेत्रीय मुख्यालय, दक्षिणी क्षेत्र, / Regional Headquarters, Southern Region,

चेन्नई हवाई अड्डा / Chennai Airport

चेन्नई / Chennai - 600 016

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Thanks & Regards,

एल. पन्नीरसेल्वम / L. PANNEERSELVAM
संयुक्त महाप्रबंधक (वि. या. प्र)
JOINT GENERAL MANAGER (ATM)
विभागाध्यक्ष, विमानन सुरक्षा निदेशालय
HOD, Aviation Safety Directorate
भारतीय विमानपत्तन प्राधिकरण
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L. Panneerselvam
14/07/25

(एल पन्नीरसेल्वम / L. Panneerselvam)

संयुक्त महाप्रबंधक (एटीएम) एवं विभागाध्यक्ष,

विमानन सुरक्षा विभाग-दक्षिणी क्षेत्र

Jt. General Manager (ATM) & HOD, AVS-SR.

दक्षिणी क्षेत्र, चेन्नई हवाई अड्डा, चेन्नई- 600027 Fax : 22561010

SOUTHERN REGION, CHENNAI AIRPORT, CHENNAI- 600 027. E-MAIL: redsr@aai.aero

rt Director Mangalore

From: voml.ats
Sent: Thursday, December 17, 2020 11:16 AM
To: Airport Director Mangalore
Cc: GM(ATM) SR; Member(ANS)
Subject: FW: Updated status on Recommendations of Accident report in Mangalore crash regarding frangible structures on the Overshoot Areas
Attachments: Updated ststus on Recomendations of Accident report in Mangalore.odt

Sir,

With reference to trailing mail please find attached the report on **latest status** on Recommendations of Accident report in Mangalore crash regarding frangible structures on the Overshoot Areas and other actions pursued to improve safety at Mangalore Airport.

With Regards,

Abraham Koshy,
JGM(ATM)/ATS-In-Charge
AAI, Mangalore International Airport,
Mangaluru- Karnataka.
Ph: 9483320647/ 0824 2220401/ 08242880720.

From: Airport Director Mangalore
Sent: Friday, December 11, 2020 5:59 PM
To: voml.ats
Subject: FW: Updated status on Recommendations of Accident report in Mangalore crash regarding frangible structures on the Overshoot Areas

From: Satya Prakash Rai [<mailto:satyapr.dgca@gov.in>]
Sent: Friday, December 11, 2020 5:42 PM
To: Member(ANS); I.N. Murthy Member (OPS); Airport Director Calicut; Airport Director Mangalore; ED(OPS), CHQ, AAI; S.K. Soni
Cc: Mr D Sharma; Maneesh Kumar; SANIT KUMAR; Amit Srivastava Dy.Director(Ops) DGCA Hqrs; Manoj Kumar Garg
Subject: Fwd: Updated status on Recommendations of Accident report in Mangalore crash regarding frangible structures on the Overshoot Areas

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Sir,

All installations installed within the safety areas of the runway at Mangalore International Airport such as approach lights, signage and ILS localiser satisfying the mandatory frangibility conditions. The old localiser antenna was replaced with new antenna after the crash and the exposed concrete base was embedded in the earth when zero percentage slope was provided in the overshoot area of the Runway 24. This antenna was again replaced with latest and advanced version in the year 2019, when existing ILS was replaced. The localiser antenna is located beyond 300m from the physical extremity of the runway. At present no in-frangible structures exist in this area. However the housing of Glide Path equipment and mast are not meeting frangibility criteria in mounting by make and weight and the manufacturer does not suggest such mounting. But the GP hut has been made with low mass structures meeting the necessary frangible conditions. (The old in-frangible GP Hut was demolished and replaced with frangible structure when new ILS equipment was commissioned in the year 2019.) The hut was installed beyond 120m from the runway centre line as per the guidelines.

The status of other recommendations of the court of inquiry after crash of Air India Express Aircraft at Mangalore International Airport are as follows:

SOP on Watch Hours	11-24 watch provided. However, SOP has been issued for compliance by all concerned, in case of limited hour operations.
Avoidance of Downward slope in RESA	Zero percentage slope has been provided for RESA for both the runways.
Frangible structures in overshoot areas	Supporting structures of installations those are non-frangible were embedded into earth and Fixtures /installations required for air navigation purposes were mounted meeting the required frangible criteria.
Maintenance of RESA	Runway End Safety Area (RESA) of full recommended size of 240m x90m provided at both ends of runway by providing Soft Ground Arresting System to retard the exiting aircraft.

	Maintenance of RESA is being done as per the SOP for maintenance of pavements / RESA
EMAS and soft ground arrestor barrier	EMAS not recommended by AAI board. Soft ground arrestor provided.
Installation of DTGMS	DTGMS were installed on the left side of each runway meeting required frangibility conditions for mounting.
Location of ATC Tower	Operations commenced from New Air Traffic Control Tower on 24 hour basis from 19.01.2015 onwards and has better view of both ends of runway.
Radar repeater in Tower	New approach RADAR has been installed and commissioned and RADAR Repeater installed in ATC Tower as part of AIRCON 2100 TWR ATIS Automation project.
Erosion of Strip	<p>For proper drainage of water, the strip of runway 06-24 has been levelled/ graded and connected to catch chute drains. The slopes are protected through stone pitching. Quarrying activities are controlled through effective monitoring and coordination with District Administration</p> <p>A circular has been issued vide AAI/MI/ ATIS/ OPS/ TII/ 2012 dated 22-05-12 (incorporated in chapter 12 of the Manual of Air Traffic Services Part-II) on Cross wind component and for cautioning pilots. All Scheduled Airlines operating at Mangalore had informed of establishing limits of crosswind operation at Mangalore, when details were sought.</p> <p>Work for widening of basic strip to 140m on both sides is in progress. Presently 140m strip is available for a length of 1295m on the northern side and 1440m on the southern side. Work for the remaining 1275m on the northern side is in progress along with construction of parallel taxi track. PIDC: 31.05.21.</p>

	<p>For balance length on southern side, land acquisition is in progress by the state government. Once the required land is made available full length on southern side will have 140m wide basic strip. PDC: 31.12.2025</p>
<p>Suitability of RFF vehicles for type of terrain</p>	<p>One AGNISHATRU (smaller type) has been maintained at station in addition to four PANTHER CFTs. Terrain familiarization drills using smaller CFT was conducted to ensure suitability of CFT for terrain.</p> <p>The Panther CFTs were also taken by different routes to areas in approach/take off path to monitor response time.</p> <p>a. One RIV has been supplied to Mangalore Airport in September 2015, which is an agile RFF vehicle able to move on roads outside the periphery of the airport. This is in addition to one existing Agnishatru (smaller type) which is able to move on roads in and around airport.</p> <p>Widening and strengthening of perimeter roads within operational area is in progress. Due to the Country wide lock down imposed by Govt of India work has been hindered. Monsoon has set in from 01.06.2020. Bituminous road work will not be possible due to heavy continuous rains during monsoon. Hence, PDC is revised to 31.03.2021.</p> <p>b. Equipment training for all EQ personnel and 10 nominated Fire personnel were conducted between the period 11.01.2016 to 18.01.2016.</p> <p>On 11.09.2020 a joint inspection was carried out by a team consisting of Safety manager, AGM (Ops), AGM (Civil) and AGM (FS) to assess the navigability and to analyze whether ACFT can be driven on the surrounding valley road. Efforts are being made in coordination with District administration to clear obstructions for smooth passage of CFT through roads outside the airport boundary</p> <p>d. In house training of remaining fire personnel by the trained 10 fire personnel was completed between 18.01.2016 to 06.02.2016. At present all fire personnel at Mangaluru are trained. Training conducted on 27.09.2017. One New RIV (NAFFCO) has been commissioned from 21.09.2019.</p> <p>e. In house training for all fire personnel by NAFFCO representatives completed between 02.07.2019 to 04.07.2019</p>

<p>Continuity Training of RFF crew including simulators.</p>	<p>a. Station level continuity training curriculum has been developed and training is being imparted to all fire crew posted at Mangalore on regular basis.</p> <p>b. Familiarization training of fire staff on actual aircraft being conducted on regular basis. Familiarization carried out for B738, Q400 & A320 aircraft.) One batch of 20 Fire Officials completed the familiarization of aircraft Boeing 737-800 series on 18.01.2020 and second batch completed on 25.01.2020.</p> <p>c. With respect to training on simulators on regular intervals comments/update are sought from GM-FS, CHQ. Letter written to GM-FS by ATS In-Charge seeking update and comments. Guidance / Comments from CHQ, AAI still awaited for training on simulators on regular intervals.</p> <p>Monthly valley drill for familiarization of fire staff is also being carried out in addition to other regular monthly drills.</p> <p>Maritime Rescue Training for first and second batch has completed.</p>
<p>Follow up action on obstruction surveys</p>	<p>1. Trees in Transition surface.</p> <p>The land details where trees have to be pruned in accordance with the obstacle surveys conducted, have been identified. Consent of Forest Department has been obtained. As affected public have requested District Administration to acquire above land the same was discussed, agreed by District Administration and placed on record in AEMC meetings. The Land Acquisition Plan finalized in consultation with the District Administration for acquiring 33 acres of land in south side of runway (where trees are situated) has been submitted in January 2017 to District Administration and is being processed by District Revenue Authorities. DM, Mangalore vide letter dated 05.04.2017 has requested the state government to release 32 crores for the same. The honorable Chairman, AAI had requested the Chief Secretary to Government of Karnataka to look into the matter and expedite actions, vide letter dated 09.01.2018. The matter was reviewed in the AEMC meeting held on 25.07.2019 and being followed up by Airport Director for completion by the target date of 31.12.2022. Trees will be removed within three months of handing over the land to AAI.</p> <p>In parallel as an immediate measure, correspondence has been made with District Authorities and Forest Department for ensuring pruning of trees in said area and same is being followed up for necessary action as the trees fall under private land. Accordingly, hearing was held by AC,</p>

	<p>Dakshina kannada at Court of Sub-divisional magistrate Mangaluru with owners of land and AAI on 18.08.2020 and 08.09.2020 The District administration has granted permission to prune trees with the assistance of forest department. Coordination in progress. If land owners are not objecting, trees will be pruned by 31.12.2020, if not obstacle will be removed after acquisition of land 31.03.2023.</p> <p><i>Target Date of Completion of pruning of trees is three months from date of taking over of Land from Government of Karnataka.</i></p> <p><i>Safety Assessment was conducted on 15.07.2020 for seeking temporary exemption from DGCA Documents forwarded to AAI-CHQ.</i></p> <p>The OIWT infringing I I S of runway has been demolished</p> <p>An unauthorized telecom tower has been removed</p> <ol style="list-style-type: none"> 3. An unauthorized telecom tower has been removed 4. All obstacles identified in Obstacle survey have been notified through e-AIP. <p>Report of latest OLS Survey conducted between 09.10.2019 and 21.10.2019 has been received. In addition to group of trees, 3 cell phone masts, one pylon mast and one TV Tower were identified as obstacle in IIS. The matter was discussed in AFMC meeting held on 13.02.2020. Actions for removal of trees and mobile towers in progress in coordination with concerned local administration. PDC: 31.12.2020. Emails sent to respective owners of cell phone masts, but reply yet to be received. Site visit and further actions are delayed due COVID-19 pandemic. Follow up actions being done.</p>
<p>Aerodrome risk assessment and condition of roads outside perimeter</p>	<p>On action initiated by Airport Administration, the District Administration has completed widening of roads outside airport boundary. A feasibility check of the entire perimeter road (outside the boundary) was conducted on 08.04.2015 and it was found that the full length of the road was available and wide enough for free driving of CFI.</p> <p>On 11.09.2020 a joint inspection was carried out by a team consisting of Safety manager, AGM (Ops), AGM (Civil) and AGM (FS) to assess the navigability and to analyze whether ACFT can be driven on the surrounding valley road. Efforts are being made in coordination with District</p>

administration to clear obstructions for smooth passage of CFT through roads outside the airport boundary. Safety assessment of Airport has been carried out under MITRE: guidance

ATR/STATUS REPORT ON THE AAIB RECOMMENDATIONS/ADDITIONAL RECOMMENDATIONS OF NINE MEMBER COMMITTEE CONSTITUTED TO OVERSEE THE IMPLEMENTATION OF THE RECOMMENDATIONS OF THE AAIB REPORT OF ACCIDENT INVOLVING M/S AIR INDIA EXPRESS LIMITED (B737-800) AIRCRAFT VT-AXH ON 07 AUGUST 2020 AT KOZHIKODE (As on 03.07.2025)

RECOMMENDATIONS OF AAIB/ADDITIONAL RECOMMENDATIONS OF NINE-MEMBER COMMITTEE			
SR	RECOMMENDATIONS/OBSERVATIONS	COMMENTS/ACTION TAKEN BY AAI	STATUS
4.2.4	<u>Airport Perimeter Road</u> The Kozhikode airport perimeter road which surrounds the airport should be capable of supporting heavy Fire Fighting vehicles in order to achieve the required response time with adequate safety. In Nov 2019, DGCA during their surveillance had made similar observations however, the observed deficiencies still existed as on the date of accident. It is recommended that the perimeter road should be wide enough to facilitate quick movement of emergency vehicles.	ED ATM-ATFM vide email dated 30.08.2022 has informed that instead of perimeter road, as an alternate means of compliance, 'provision of satellite Fire Station' was accepted by the Committee. Work of Satellite Fire Station completed and put in to use on 30.11.22. DGCA approval for commissioning accorded on 06.02.2023	Point may be closed.

I	<p>PROVIDE (A) TRANSVERSE GROOVES, (B) CROSS LIMITATIONS (15 KTS & 10 KTS), (C) MEDIUM μ ALONG THE RUNWAY</p>	<p>(A) Matter pending with CHQ Planning Department. It is proposed for provision of full length of RESA at both end of runway. Execution Level approval received from DGCA on 21.02.2024 for the work of development of RESA. Work is in progress. PDC for completion of RESA work is 28.09.2025 as per Contract Agreement.</p> <p>(B) All Airline Operators have been sensitised of the recommendations for incorporating the same in their Flight Operating Manuals/SOPs and briefing their Pilots. Copy of letter dated 20.5.22 issued to Airline Operators submitted.</p> <p>(C) Friction Test conducted every 45 days and friction level maintained as per DGCA guidelines. Latest Friction Test conducted on 18.02.2025.</p>	<p>Committee in its meeting on 19/02/2024 decided to keep the recommendation on hold.</p>
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(II)	<p>PROVIDE RWY END SAFETY AREA (RESA) FOR UNDERSHOOTS AND OVERRUNS AT BOTH ENDS (I)THE STATE GOVT MAY BE REQUESTED TO PROVIDE SUFFICIENT SUITABLE FILLED UP LEVELLED LAND FOR RUNWAY EXPANSION. AAI TO VIGOROUSLY TAKE UP WITH THE STATE GOVERNMENT ADDITIONAL ACQUISITION OF SUITABLE LAND FOR RUNWAY EXTENSION WHICH COULD PAVE A WAY OWARDS A PERMANENT SOLUTION TO THE PROBLEM WITHOUT REDUCTION IN THE CURRENT RUNWAY LENGTH A SUITABLE TIME FRAME SHOULD BE FIXED FOR THIS</p> <p>(II) IF THE REQUIRED LAND IS NOT MADE AVAILABLE BY THE END OF FY 2022-23, THE RUNWAY LENGTH SHOULD BE REDUCED TO 2540 M TO PROVIDE RESA OF 240 M FROM THE ENDS OF THE RUNWAY STRIP FOR UNDERSHOOTING AND OVERRUNS OF AIRCRAFT.</p>	<p>Full length RESA will be provided at both ends of the Runway. Govt. of Kerala handed over the land for construction of RESA to AAI on 19.10.2023. Execution Level approval received from DGCA on 21.02.2024 for the work of development of RESA. Work is in progress. PDC for completion of RESA work is 28.09.2025 as per Contract Agreement.</p> <p>PDC for commissioning is 31.12.2025.</p>	<p>Point dropped by the Committee.</p>
III	<p>RECALCULATE DECLARED DISTANCES DUE TO DISPLACED THRESHOLDS</p>	<p>Full length RESA will be provided at both ends of the Runway. Govt. of Kerala handed over the land for construction of RESA to AAI on 19.10.2023. RESA work is in progress. PDC for completion of RESA work is 28.09.2025 as per contract agreement.</p> <p>PDC for commissioning is 31.12.2025.</p>	<p>Point dropped by the Committee.</p>

IV	NO AIRCRAFT ON THE APRON TAXIWAY AND NO PUSH BACK IF RUNWAY IS IN USE FOR TAKE OFF/LANDING	NOTAM action taken and published in the AIP.	Point may be closed
V	RISK MITIGATION MEASURES TAKEN VIA PROCEDURE DESIGN FOR 14.3% SLOPE AT TRANSITIONAL SURFACE FROM STRIP EDGE	Action as per the guidelines given by DGCA vide letter No. AV.20011/10/2012-AL dated 28.09.2018 i.r.o. Non-compliant Runway strip has been complied and the OCA(H) of Kozhikode Airport has been raised to 250 ft.	Point may be closed
VI	300 M LONG ABRIDGED SIMPLE APPROACH LIGHTING AFTER THRESHOLD DISPLACEMENT TO BE PROVIDED. AAI & DGCA TO EXPLORE FEASIBILITY OF PROVIDING RWY LEAD-IN LIGHTS FOR BOTH APPROACHES	<ul style="list-style-type: none"> • Sufficient length to install 300M approach light would be available only after the establishment of RESA on both sides of the Runway. RESA work is in progress. PDC for completion of RESA work is 28.09.2025 as per contract agreement. PDC for commissioning 31.12.2025. • Runway Lead-in Lights available for Runway 28 • District Collector, Malappuram vide Order No. DCMPM/4727/2022-LA1-part(1) dated 16.01.2025 issued Govt. Order for acquisition of 11.5 Ares (28.405 cents) land for 4 nos. Lead-in lights for RWY10 and 1 	Point may be closed.

		no. SPOL at Cheruppadimala Hill. Preparation of Basic Value Report/Detailed Valuation Report under process. PDC: nine months after handing over of all sites by State Government	
VII	RELOCATE AND INSTALL MARKINGS AND LIGHTS DUE TO DISPLACED THRESHOLD	Full length RESA will be provided at both ends of the Runway. Govt. of Kerala handed over the land for construction of RESA to AAI on 19.10.2023. PDC for completion of RESA work is 28.09.2025 as per contract agreement. PDC for commissioning is 31.12.2025.	Point dropped by the Committee
VIII	FULL-SCALE EMERGENCY EXERCISES MUST BE CONDUCTED EVERY YEAR	Complied. Full-scale mock drill for the year 2024 was conducted on 19th Nov 2024. Closed by DGCA vide Letter No. Calicut/2022/557 dated 05.08.22	Point dropped by the Committee
IX	PROVIDE SATELLITE FIRE STATION(S) AT BOTTOM OF EMBANKMENT TO BE ABLE TO COMPLY	Work of Satellite Fire Station completed and put in to use on 30.11.22. DGCA approval for commissioning accorded on 06.02.2023	Point may be closed.

<p>X</p>	<p>ACCESS BY RFFS TO LIMITS OF AEP BOUNDARIES - CO-ORDINATE WITH OTHER AGENCIES-LOCAL MUNICIPAL AUTHORITIES, HOSPITALS AND POLICE FOR EFFECTIVE RESPONSE</p>	<p>Survey of Airport vicinity conducted with State Fire services on 28-29 June, 2022.Matter taken up with District Collector for improvement of infrastructure required by RFFS vehicles to access the limits of defined vicinity</p> <ul style="list-style-type: none"> • Full Scale Mock-up Exercise in the vicinity of Aerodrome conducted on 19.11.24 in coordination with local Municipal Authorities, district administration, State Fire & Rescue Services, Hospitals, State Police & District Disaster Management Authority • Certain measures like straightening and widening of approach roads, pruning of trees, removal of wires and electrical power line, relocation of the emergency access gate no.7 etc. have been identified by Calicut Airport for proper manoeuvring of Safety service vehicle in case of emergency. • Meetings and combined site inspections were conducted on 24.07.2023 and
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		04.08.2023 along with State Govt departments for improving the access of ARFF vehicles. Status remains the same.	
XI	PROVIDE RWY C/L LIGHTS FOR SAFETY OF OPERATIONS	Installation of Runway Centre Line Lights & TDZ Lights completed and the facility commissioned on 12.11.2023 after getting Commissioning Level Approval from DGCA.	Point may be closed.
XII	LIMIT THE TAIL WINDS TO 10 KTS(DRY RWY) AND 5 KTS(WET RWY)	Implemented on 18.02.2022. All Airline Operators have been sensitized of the recommendations for incorporating the same in their Flight Operating Manuals/ SOPs and Pilot Briefings.	Point may be closed
XIII	POROUS FRICTION COURSE (PFC) FOR ENHANCED FRICTION AT DISPLACED PORTION SURFACE	Decision has been taken to provide full length of RESA on additional acquired land. In that case since no threshold displacements will be required PFC may not be required.	Point dropped by the Committee.
XIV	EXISTING 90 M LONG RESA TO BE FILLED WITH 15 CM SAND OR SOFT SOIL FOR EFFECTIVE DECELERATION	Existing RESA is filled with 15 cm M sand and is maintained as per SOP for maintenance of RESA. Copy of maintenance of RESA Video uploaded in AAI website	Point may be closed

	PROVIDE RWY TDZ LIGHTS FOR SAFETY OF OPERATIONS	Installation of Runway Centre Line Lights & TDZ Lights completed and the facility commissioned on 12.11.2023 after getting Commissioning Level Approval from DGCA.	Point may be closed
XV	RVR/VISIBILITY TO BE SET A) 1600 M FOR ILS APPROACHES B) 2400 M FOR VOR APPROACHES	Published in the AIP.	Point may be closed
XVII	AAI TO EXPLORE THE FEASIBILITY OF SOLAR-POWERED HAZARD LIGHTS ON HILLTOP NEARBY	<ul style="list-style-type: none"> • SPOL already installed in 6 Hill tops. • District Collector, Malappuram vide Order no. DCMPM/4727/2022-LA1-part(1) dated 16.01.2025 issued Govt. Order for acquisition of 11.5 Ares (28.405 cents) land for 4 nos. Lead-in lights for RWY10 and 1 no. SPOL at Cheruppadimala Hill. Preparation of Basic Value Report/Detailed Valuation Report under process. PDC: nine months after handing over of all sites by State Government 	Point may be closed.