



### SAFETY BULLETIN

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### ABSTRACT

This bulletin aims to share essential safety information, with the goal of continuously addressing safety concerns to ensure safe flight operations.

On behalf of Manang Air, we extend our gratitude to all aviation stakeholders for their invaluable contributions toward enhancing safety in our operations. We look forward to your continued support as we progress on this journey together.

### 2025 Safety Strategy: Setting New Standards

-By Ms. Sneha Sharma

#### *1. Thorough Pre-Flight Inspections*

*Pre-flight diligence ensures safe operations. Pilots, ground crew, and maintenance team must collaborate to verify the integrity of every system. From rotor blades to fuel systems, every component must be meticulously checked..... (Continued in page 2)*

### MESSAGE FROM ACCOUNTABLE MANAGER

Dear Team,

As we begin 2025, I want to emphasize that safety remains our top priority and the foundation of everything we do. Each of you play an integral role in ensuring the safety of our passengers, colleagues, and operations. The success of our organization is rooted in the collective commitment to excellence, vigilance, and teamwork. We faced numerous challenges. Each obstacle was an opportunity to learn and improve. We resumed our operations with a brand new AS350B3e. From operational adjustments to enhanced training programs, we have taken significant steps forward. However, safety is a journey, not a destination. As aviation professionals, we must continually adapt to evolving technologies, changing environmental factors, and emerging risks.

This bulletin outlines our safety objectives for 2025, provides updates on human factors, and highlights lessons learned. I urge to apply these principles in your daily work. Let's continue to make safety our defining characteristic. Your diligence and professionalism make the difference between ordinary and extraordinary operations. Thank you for your dedication. Let's make 2025 a year of safety excellence.

**Mr. Rom Harsha Shrestha**  
**Chief Executive Officer**  
**(Accountable Manager)**



### Aviation Safety in Nepal: Challenges and Progress

-By. Mr. Pawan Kumar Thapa

*Nepal, a nation celebrated for its majestic landscapes and towering Himalayan peaks, relies heavily on aviation to connect its remote and diverse regions. While aviation is a vital lifeline for the country, ensuring safety in the sector remains a priority due to its challenging geography, unpredictable weather, and other operational complexities. Over the years, Nepal has made significant strides in enhancing aviation safety, although some challenges persist.....Continued in page 3)*

### Manang Air Contact Detail:

- 🏠 106 N. K. Singh Marga, Minbhawan, Kathmandu, Nepal
- ☎ +977-1-4115984/85 (Hunting)
- ☎ +977-1-4115886
- 📠 +977-9801180462/463/464 (24x7)
- ✉ operation@manangair.com.np
- ✉ marketing@manangair.com.np
- 🌐 www.manangair.com.np

### Safety Reporting and Feedback

*Your voice matters. If you encounter hazards or have ideas for safety improvements, report them immediately via our Safety Reporting Form available at [www.manangair.com.np](http://www.manangair.com.np) or email [safety@manangair.com.np](mailto:safety@manangair.com.np). Together, we can make 2025 a landmark year for safety, ensuring that every flight is secure, efficient, and successful.*



### 2025 Safety Strategy: Setting New Standards

#### 2. **Comprehensive Training Programs**

Training is the bedrock of aviation safety. We will expand our training initiatives to include advanced simulator exercises, emergency response drills, and refreshers on key safety protocols. This includes integrating new safety technologies and ensuring that all team members are confident in handling unexpected situations.

#### 3. **Fatigue Management Initiatives**

Fatigue compromises safety. We are rolling out updated crew scheduling guidelines, mandatory rest periods, and wellness programs to help employees maintain peak performance.

#### 4. **Enhanced Communication Protocols**

Clear communication can prevent misunderstandings and accidents. We introduce standardized protocols and strengthen Crew Resource Management (CRM) training to enhance team collaboration.

#### 5. **Data-Driven Maintenance Practices**

Proactive maintenance remains critical. By using advanced diagnostic tools and predictive analytics, we aim to identify potential mechanical issues before they occur, ensuring the highest level of operational reliability.

#### 6. **Emergency Preparedness and Crisis Response**

Preparedness saves lives. We will conduct yearly emergency drills and simulations to ensure readiness for scenarios such as engine failure, CFIT (Controlled Flight Into Terrain), and adverse weather conditions.

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#### Lessons Learned from Past

- **Improve Reporting Mechanism**

Develop a more robust system for reporting and analyzing non-compliance incidents to better understand their causes and implement corrective measures.

- **Usage of Standard Phraseology**

Standard phraseology should be used during in flight communication. Formal aviation radio telephony procedures must be followed at all times, irrespective of personal relationship with communication recipients.

- **Feedback Integration**

Input from staff has been instrumental in shaping new safety initiatives.

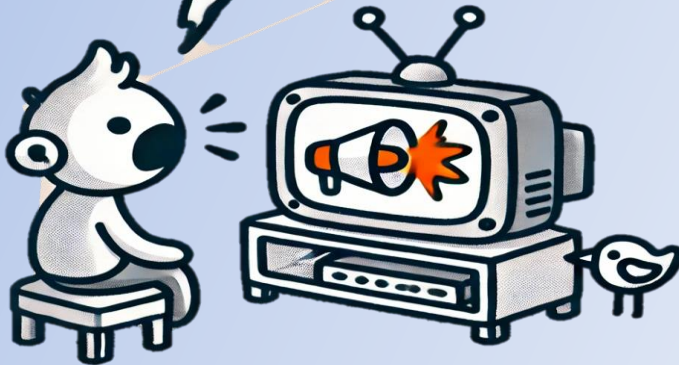
#### Installation of Sand Filter Equipment on AS350B3e Helicopter

A milestone achievement has been successfully completed for first-time installation of "Sand Filter equipment" on Manang Air fleet Airbus helicopter AS350B3e, Reg. 9N-AOJ in accordance with Airbus Service Bulletin No. AS350-71.90.62 by Manang Air Technical personnel probably the first successful installation in three days without Technician Support from Airbus helicopters in Nepal in the first week of Jan 2025.

Manang Air Technical personnel demonstrating the organization's careful planning and execution of jobs and commitment to enhancing the confidence among our planners and maintenance personnel were involved to complete this challenging job without any hurdle.

Airbus helicopter had introduced this installation to protect the engine from dust and sand at rugged and extreme conditions which could pose significant risk to engine and other critical areas ensuring optimal performance of engine.

**WHAT YOU HEAR FROM MEDIA IS NOT ALWAYS TRUE.**



*“ Always verify your sources before believing what you see and read on media!!!”*





### Aviation Safety in Nepal: Challenges and Progress

#### Challenges in Aviation Safety

##### 1. Geographical Complexity

Nepal's rugged terrain presents one of the most significant challenges to aviation. Airports like Lukla, known for its short runway and high-altitude location, require exceptional precision and skill from pilots. The unique geography makes navigation demanding, particularly during takeoff and landing.

##### 2. Unpredictable Weather Patterns

Sudden weather changes in the Himalayas add another layer of difficulty for aviation operations. Low visibility, turbulence, and unexpected storms have occasionally contributed to accidents, making weather monitoring systems crucial for safety.

##### 3. Regulatory and Operational Hurdles

Ensuring strict adherence to international aviation standards is an ongoing effort. While the Civil Aviation Authority of Nepal (CAAN) has implemented significant reforms, aligning fully with global best practices remains a work in progress.

##### 4. Human Factors

Human error is a leading factor in global aviation incidents, and Nepal is no exception. Despite having skilled and experienced pilots, continuous training and development programs are necessary to address the complexities of flying in such challenging conditions.

#### Efforts to Improve Aviation Safety

Nepal has taken several proactive measures to enhance aviation safety:

##### 1. Modernizing Infrastructure

The government has prioritized upgrading airport facilities, including the development of new international airports. These modern facilities aim to improve operational efficiency and safety.

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- MR.PAWAN KUMAR THAPA, MANAGER, OPERATIONS

##### 2. Adopting Advanced Technology

The introduction of advanced air navigation systems, such as GPS-based approaches, has improved accuracy and safety, especially in challenging terrains where visual navigation is difficult.

##### 3. International Cooperation

Collaboration with organizations like the International Civil Aviation Organization (ICAO) has helped Nepal strengthen its safety framework. International training programs for pilots, air traffic controllers, and ground crew are ongoing to ensure compliance with global standards.

##### 4. Strengthening Regulations

The CAAN has implemented more stringent regulations covering pilot licensing, maintenance protocols, and operational guidelines. These reforms aim to address safety concerns and enhance Nepal's aviation standing globally.

#### **The Path Forward**

Ensuring aviation safety in Nepal is a continuous process that requires dedication, investment, and collaboration. Key areas of focus include upgrading infrastructure, adopting cutting-edge technology, and offering advanced training to aviation personnel. Nepal's breathtaking landscapes and unique geography make aviation an indispensable part of the country's connectivity and tourism. With sustained efforts and a commitment to safety, Nepal can offer secure and reliable air travel for its citizens and visitors, fostering trust and supporting the nation's development.

By striving to meet international standards and addressing challenges with a proactive approach, Nepal is paving the way for a safer and brighter future in its aviation sector.





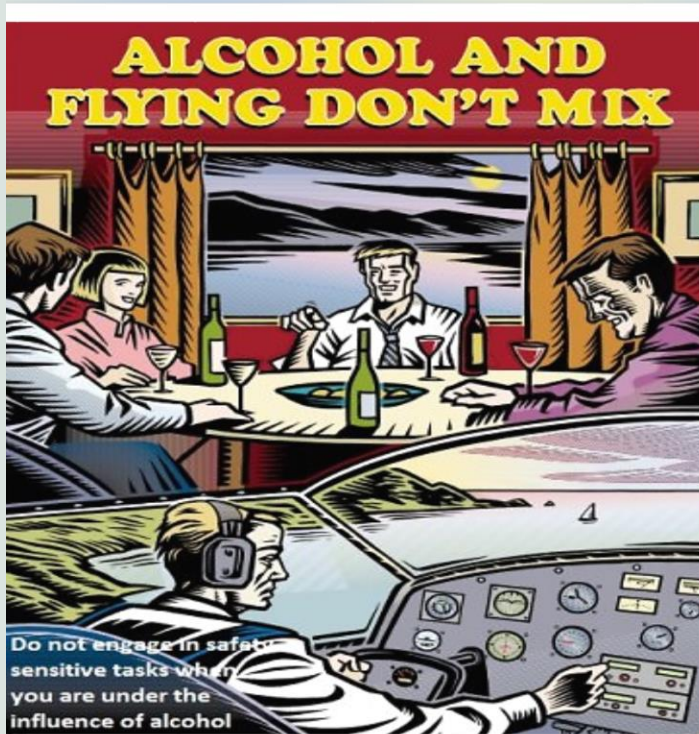
### MANANG AIR SAFETY ACTIVITIES

*Manang Air has conducted various extra safety activities as below in 2024.*

- Safety Bulletin 8th Issue Published in January 2024.
- Basic SMS Training
- Recommendation Safety Issue of 2024
- Emergency Response Plan Training, Evacuation & Fire Drill Exercise
- Ground Handling & Ramp Safety Training for Helicopter
- Safety Management System Training (Elementary)
- SMS for Accountable Manager & Sr. Manager
- Safety Initiatives Briefing
- Briefing of Manang Air SRM Process
- SMS Refresher Training
- SMS Briefing
- Crew Resources Management Initial Training
- First Aid Training
- Recurrent Aviation Security Training
- Human Factor Training in Aviation Maintenance
- Operations Control procedures & Helicopter Weight and balance Training



*ERP drill exercise for Pilots and Staff.*



*Preparedness and awareness are the keys to ensuring a safe journey for all.*



*Fire drill exercise for Pilots and Staff.*