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भारत सरकार
नागर विमानन विभाग
महानिदेशक नागर विमानन का कार्यालय
सफदरजंग एयरपोर्ट के सामने
नई दिल्ली - ११० ००३

JDG/MISC/2007

Circular

Subject: Monsoon operations.

Monsoon are approaching fast and are likely to set in shortly. It is well known that during pre-monsoon period thunder storm activity normally increases. Weather related phenomenon can pose serious hazard to the safety of operations. We have been highlighting the same through various circulars like Air Safety Circular 4 of 1992 and 7 of 1993, Operation Circular issued by DGCA and DARA Circular issued by AAI. Special precautions to be taken during the period have been highlighted in these instructions. This is to remind all the operators/service providers that special efforts are required for preventive measures during the period to avoid any incident and safety hazard. Few of the precautions to be taken are reiterated below:

1. Bird activities:

During the period the bird activities is likely to increase so there is urgent need to take proactive preventive measures in this regard.

- AEMC meetings should be called to discuss and review the implementation of the measures to reduce bird hazard near airport.
- Grass be trimmed and insecticide be sprayed.
- Runway be frequently inspected for bird activities and bird shooters be deployed.
- Regular garbage disposal in the operational area may be carried out and water concentration needs to be avoided.

- Entry of Stray animals to operational area be checked.
- Action be taken for cleaner environment around airport in association with the Municipal Authorities.

2. ATC and Aerodrome facilities:

- Runway/Apron markings should be redone before monsoon if found faded.
- Surface condition of runway and maneuvering area should be monitored regularly and **any concentration of water should be informed to the pilots.**
- The **drainage system at airports** should be checked and maintained in serviceable condition during the period.
- Special efforts be put in to ensure that navigational/communication facilities remain serviceable during the period.
- ATCO should ensure that **latest weather reports are transmitted to the aircraft.**

3. Airline Operators:

a. Engineering Department:

- During the period more emphasis is to be laid down on the serviceability of the aircraft. It must be ensured that following system are kept serviceable and **these are not released under MEL during monsoon period :**
 - Anti skid system.
 - Wind shield wiper system.
 - Weather radar system
 - Flap system
 - Reverse thrust system
- As high winds are regular phenomenon during this period, necessary preventive action like putting chocks on both sides of the wheels (minimum six in number) be ensured. Wherever practicable (wheel temperature permitting) parking brakes be kept 'ON' during storm warning.
- **Tyres/Brakes system should be meticulously maintained.**
- **Fuel system be regularly checked for water contamination during every refueling and night check.**

- All ground vehicles, step ladders and baggage trolleys should be kept in serviceable condition and parked away from the aircraft maneuvering area. Whenever these equipments are in use these should be properly locked and not left unattended.

b. Operations Department:

- Pilots who have been **cleared for monsoon operations only be deputed.**
- **All expatriate crew shall undergo monsoon checks before being rostered for flying during the monsoon period.**
- **Full IAL procedure shall be carried out** as far as possible.
- Crew should **strictly adhere to the approved weather minima.**
- Latest meteorological briefing be taken and avoid **possibility of entering into severe weather conditions.**
- **Wet runway limitations for weight** be strictly followed.
- Pilots should **not hesitate to go around in case of un-stabilized approach or hold for improvement of weather.**
- Special precautions be taken to ensure the safety of passengers and cabin crew in case in-flight turbulence is expected.

It is requested that existing instructions on the subject as stated above be reiterated to all concerned and procedure to deal with storm warning be prominently displayed in various departments.

It will be appreciated if action taken is confirmed please.

(A.K. Chopra)
Jt. Director General
for Director General of Civil Aviation

New Delhi dated the 15th May 2007

To

As per list attached