





# SERVICE DELIVERY BY HELICOPTERS AND ITS POTENTIAL IN THE NORTH EAST

# Preview



- Introduction.
- Potential of Helicopter Services.
- > Central Govt Schemes.
- Challenges of Helicopter Flying in the NE States.
- Conclusion.



# Introduction



Growth of Helicopters

√ 1953 - First Commercial Flight

√ 2011 - 293 Helicopters

✓ 2021 - 239 Helicopters

√ 2023 - 253 Helicopters



- India is the third largest Fixed Wing Domestic Market, likely to increase from 750 to 2200 aircraft by 2033.
- > New Civil Aviation Policy enunciated in 2016 to lend impetus to Helicopter Operations.
- No Helicopter FTO/ATO Whereas 35 FTO & 6 ATOs of Fixed Wing in India.
- Paucity of Trained Helicopter Pilots.
- > Helicopter Accelerator Cell formed in 2021 by MoCA.

### Potential of Helicopter Services



- VIP & Passengers Transportation
- Survey Operations
- > Cargo Transportation
- > Infrastructure Building
- > Search and Rescue Operations
- Promoting Tourism
- Charter Services
- Heli-Pilgrims
- Enhancing Healthcare Accessibility: -
  - Emergency Medical Services
  - Specialized Care Access
  - Overcoming Geographical Challenges
  - Reducing Patient Transfers





## Central Govt Schemes



- MHA 75% Subsidy Scheme Upto 2026, likely to be extended.
- hootage RCS 5.1 (UDAN): Transportation & Development of Heliports.
  - Ticket cost reduced by 25% making it affordable to the passengers.
  - VGF increased to make it financially viable to the operators.
  - No flying due to bad weather No Revenue : Cause of concern.





### MHA: Deployment NE



#### SIKKIM

Authorised - 01

Deployed - Nil

Total Hours - 1200/Year

#### MHA

Authorised - 01

Deployed - 01:EC135

Total Hours -480/Year

#### MEGHALAYA

Authorised - 01

Deployed - 01:Dauphin

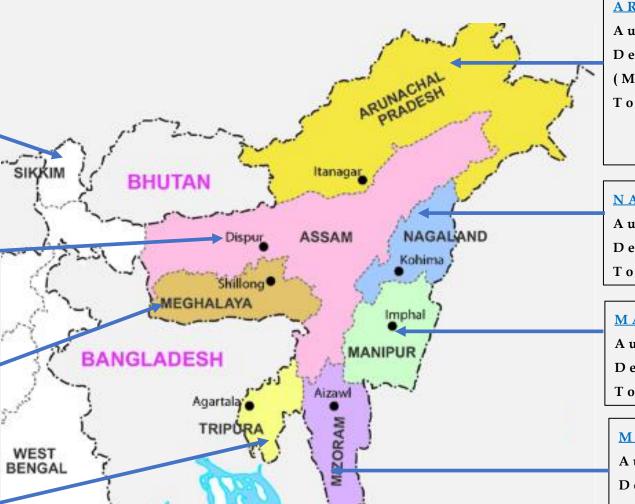
Total Hours -1000/Year

#### TRIPURA

Authorised - 01

Deployed - 01:Dauphin

Total Hours -480/Year



#### ARUNACHAL PRADESH

Authorised - 03

Deployed - 03

(MI 17-02 & Bell 412-01)

Total Hours -1200/Year

/ 1 Ca1 - MI-17

- 960/Year -

- 1290/Year- Bell-412

#### NAGALAND

Authorised - 02

Deployed - 01 : Bell 412

Total Hours -1200/Year

#### MANIPUR

Authorised - 01

Deployed - 01 : Bell 412

Total Hours -750/Year

#### MIZORAM

Authorised - 02

Deployed - 01: Bell 412

Total Hours -1200/Year

### Challenges of Helicopters Flying in North Eastern States



- > Geographical Constraints
  - Hilly Terrain
  - Dense Forests
  - Unpredictable Weather
- > Infrastructure Limitations
  - Lack of Helipads
  - Maintenance Facilities
- > High Operational Costs
- > Regulatory Challenges
- > Safety Concerns Weather, Terrain, Diversionary Airfields,
- Lack of Air Traffic Facilities & Radar Coverage
- > Need for skilled pilots (Hill Flying) and maintenance crews



## Conclusion



- > Huge potential for the growth & deployment of Helicopters in North East.
- Challenges must be addressed to realise the potential to include regulatory bottlenecks, high operational cost, lack of infrastructure and skilled manpower.
- Right policies and investment can play a vital role in improving connectivity & Healthcare, enhancing tourism, provide rapid emergency services, creating job opportunities and boosting the economy.







# Thank You