

# IMPLEMENTATION OF HIMALAYA 2 ROUTE





# Where is Nepal ?







# **What is Himalaya Route**



# ICAO's initiation to ease congestion:

- EMARSH (Europe Middle East/Asia Air Route South of Himalaya - Direct, short and efficient Route.
- Nepal had proposed 3 Routes during EMARSH Project: Himalaya 1, Himalaya 2 and Himalaya 3

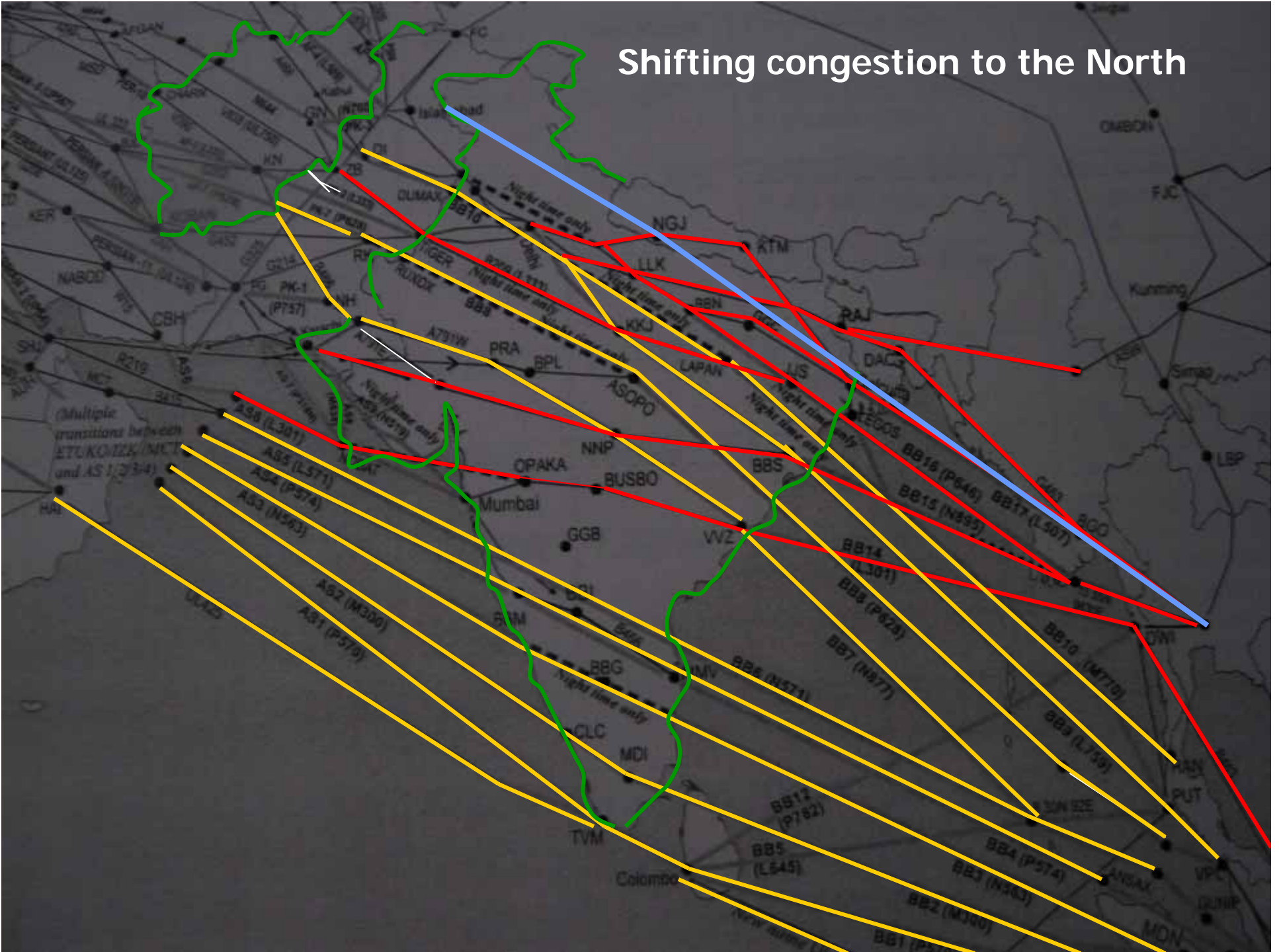


# Himalaya 1

## Bangkok-Kolkata-Nepalganj-Indek/Ishlamabad



# Shifting congestion to the North





# Himalaya 2 Route





# Benefit of Himalaya 2 Route





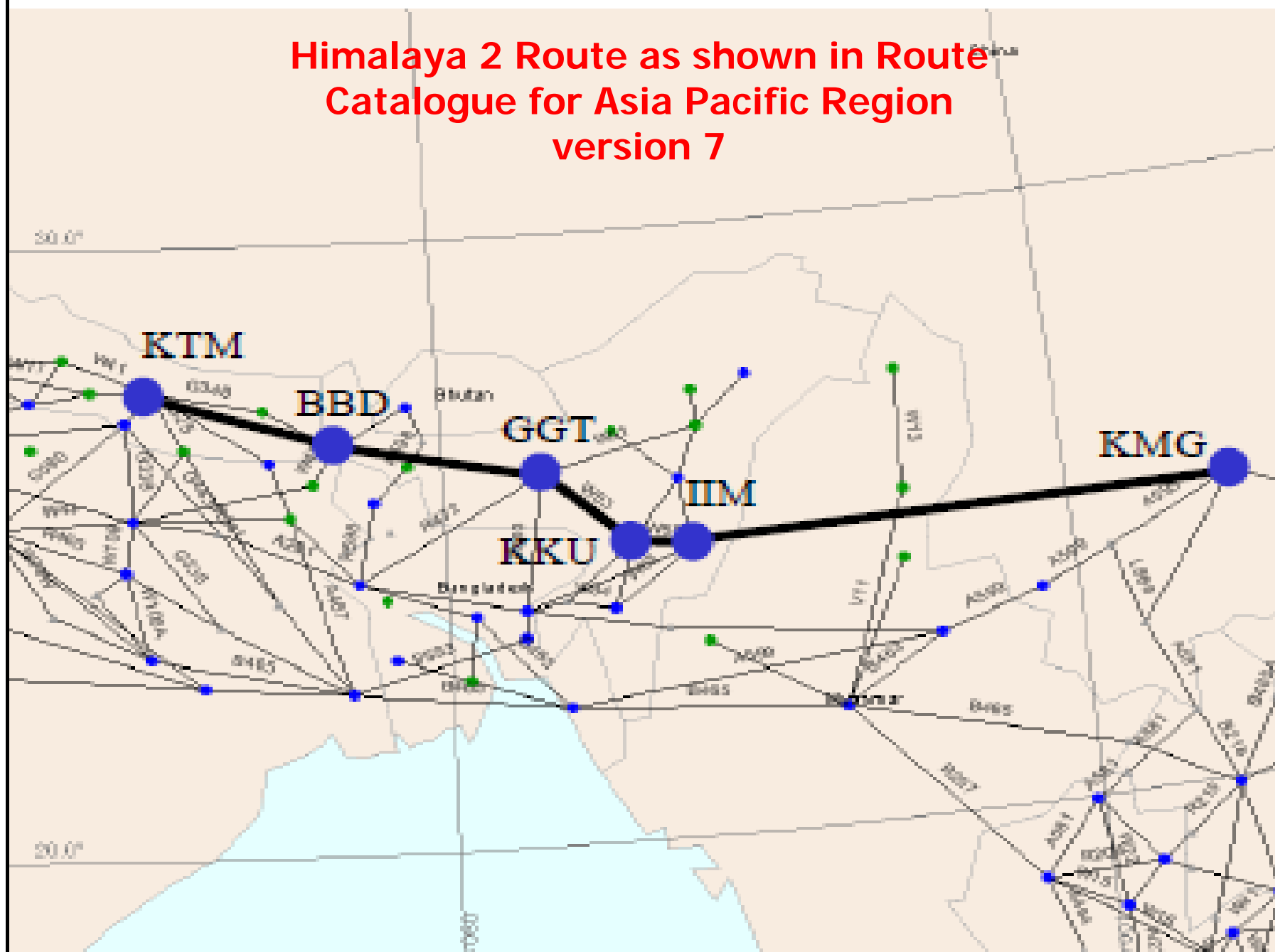
## Chapter 4: Part B: Future Route Requirements – States

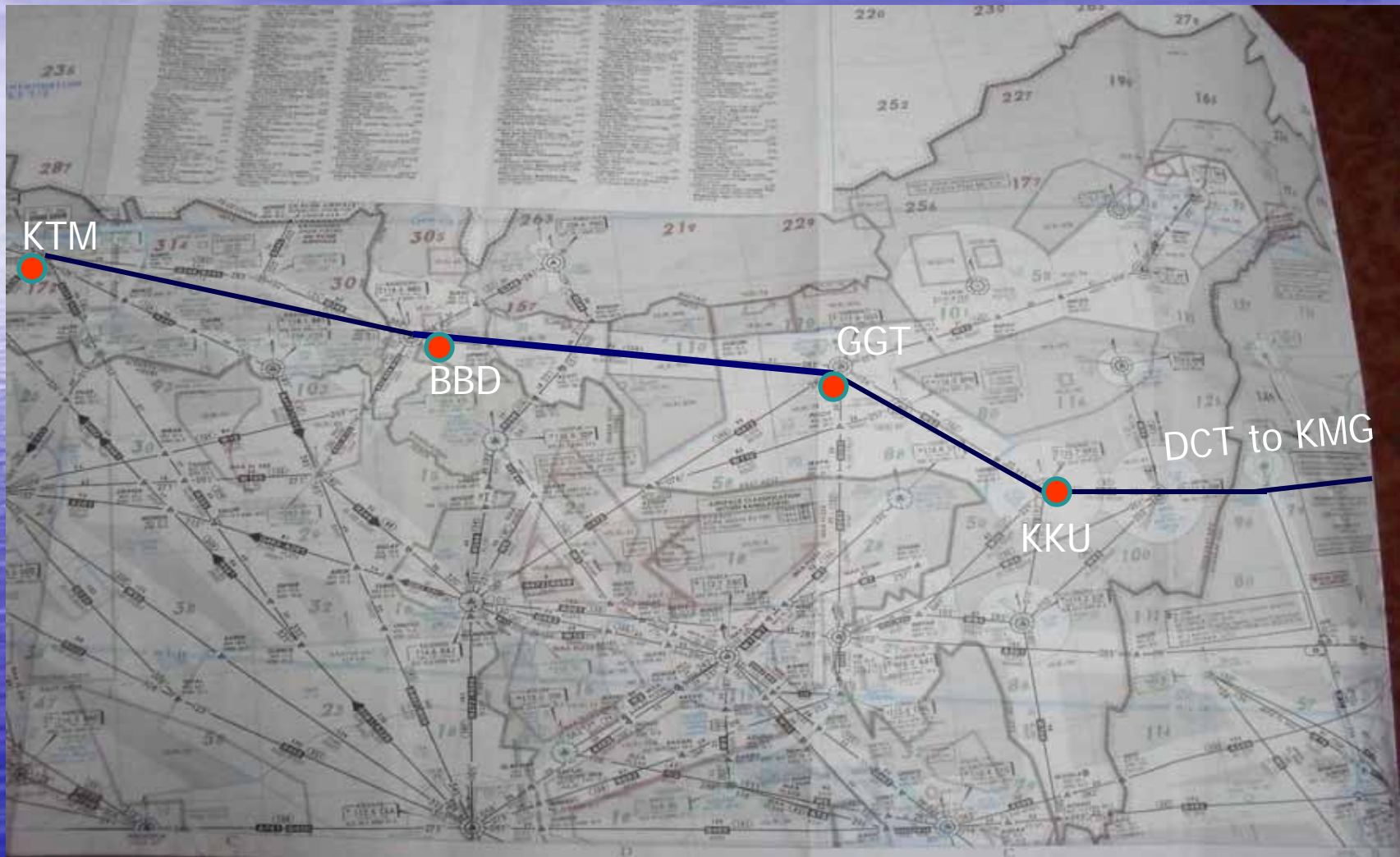
(The routes in this section are intended to be used as a basis for developing BANP amendment proposals, and to provide information on route planning developments which would form the basis for future proposals. These routes are subject to coordination and agreement.)

PROPOSER	ATS ROUTE	SIGNIFICANT POINTS	COORDINATES	FIR	REMARKS
Nepal	Himalaya 1	Kolkata Nepalgunj INDEK	2238.7N 08827.2E 2806.1N 08139.1E 3246N 7316E	Kolkata Kathmandu Lahore	
	Himalaya 2	Kathmandu Baghdogra Guwahati Silchar Imphal Kunming	2740.5N 08521.0E 2641.3N 08819.8E 2606.1N 09135.3E 2454.8N 09258.9E 2446.0N 09354.5E 2501N 10244E	Kathmandu Kolkata Kolkata Kolkata Kolkata Kunming	

# CHART

Himalaya 2 Route as shown in Route Catalogue for Asia Pacific Region version 7









Delhi

L626

Kathmandu

# Benefits of Himalaya 2

## Kathmandu- Kunming

Present Route  
Distance  
1085 NM

Himalaya 2  
Distance  
971 NM

Savings  
114 NM  
15 minutes flying

# Benefits of Himalaya 2 Route

**Fuel Saving**

**1824 kg  
per flight**  
**16 flights a week**

**Total Fuel Saving**  
**Per year**  
**1660 ton**



# Benefits of Himalaya 2 Route

**Environmental  
Benefit**

**Carbon  
Emission**

**Reduced**

**5700 kg  
Per flight**

**5200 ton  
Per year**

# Benefits of Himalaya 2

## Kunming – Delhi via Himalaya 2

Present  
Distance  
1488 NM

Proposed Route  
Distance  
1431 NM

Savings  
57 NM  
7 minutes flying time

# Benefits of Himalaya 2 Route (Kunming-Delhi)

**Fuel Saving**

**912 kg  
per flight**  
*15 flights a day*

**Total Fuel Saving  
Per year  
4990 ton**



# Benefits of Himalaya 2 Route (Kunming – Delhi)

## Environmental Benefit

Carbon  
Emission

Reduced

2850 kg  
Per flight

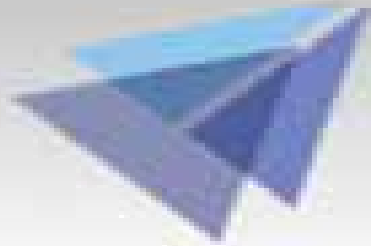
15600 ton  
Per year

# Benefits of Himalaya 2

- Total Savings in a year:  
Fuel: 6650 ton
- Reduction in carbon emission 20800 ton.  
Huge achievement

Note: **Above information and calculation is based on** :  
Kathmandu to/from Hongkong, Kunming and  
Gunagzhou - actual one.

Hongkong to Delhi and beyond (Europe/Middle east  
via Delhi) is taken from internet sources. So latest  
information may differ.



**China Civil Aviation Report**

**民航报导**

Sunday, November 21, 2010

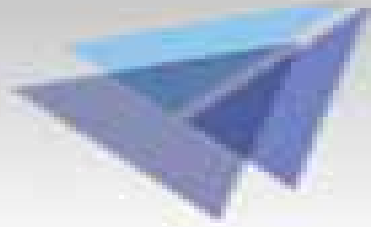
Volume 12 , Issue 4 July 2010

## **China Civil Aviation : Leaves No Stones Unturned in Reducing Carbon Emission**

Early last year, CAAC issued ten policies in a bid to cope with the international financial crisis and spur the stable and rapid development of civil aviation. Among them, one of the important policy is to save energy and reduce carbon emission.

CAAC launched 35 interim direct flights last year. Air Traffic Management Bureau of CAAC, revealed that through optimizing the flight routes continuously, such as direct flights to reduce the flying distance, was one major step for **cutting carbon emission**





## China Civil Aviation Report

# 民航报导

Sunday, November 21, 2010

Statistics showed the prior air routes distance total was shortened by 16 thousand kms. Thanks to this measure, 88 thousand tons of fuel worth 440 million Yuan was saved with 275 thousand tons of carbon dioxide being reduced

During the spring festival travel season, Air Traffic Management Bureau of CAAC launched 16 interim flights and spared 2,400 tons of fuel that cutted down 7,600 tons of carbon dioxide emission. There were 77 such interim flights last year totaling 26,700 km flight distance, which took up **16.6%** of China's total flight distance. In all, domestic flights saved **8.6** million km flight distance and 48 thousand tons of fuel with a **150** thousand tons of carbon dioxide reduced

- Aviation community is to be encouraged and learn from the Chinese effort in reducing emission.
- Nepal is of the view that the proposed Himalaya 2 route will be an addition to the Chinese effort in saving cost and protecting environment.

# IATA's initiations

Among other things

- Save a minute per flight Campaign
- Opening of new short and direct routes  
(Opening of 390 new routes in 2007 alone)
- 50% less emissions by 2050.



# Nepal's request

- In view of the above facts, Nepal believe that Himalaya 2 Route will not only benefit Nepal but the region as a whole.
- Nepal request the comments and suggestions and also appeal for the cooperation of all concerned agencies for its implementation.

A background image showing a vast blue ocean meeting a blue sky with wispy white clouds at the horizon. The text 'Thank you' is centered in the middle of the image.

Thank you

