







### **AVERAGE DAILY FLIGHT MOVEMENTS**

YEAR	ARR/DEP	INTERNATIONAL OVERFLIGHTS	OTHER FLIGHTS
2006	534	152	50
2007	618	173	60
2008	656	185	70
2009	627	180	70

### ATCO SKILL MATRIX

YEAR	TOWER	TAR	RSR	ACC	OJTI	ADS/ CPDLC
2008	149	42	43	95	15	29
2009	178	36	45	98	14	100

**TOTAL MANPOWER: 200** 

#### **SIGNIFICANT DEVELOPMENTS:**

#### **GROUND INFRASTRUCTURE**

- ✓RUNWAY 29
- ✓ ADDITIONAL TAXIWAYS INCLUDING RAPID EXIT TAXIWAYS

#### TECHNOLOGICAL ENHANCEMENTS

- ✓ MATS-BD TO AUTO TRAC 2 TRANSITION
- ✓ AUTO TRAC 2 TO AUTO TRAC 3 TRANSITION

#### PROCEDURAL ENHANCEMENT

✓ PBN/RNAV PROCEURES

#### ATM INFRASTRUCTURE

- ✓ ADS/CPDLC
- ✓ ADDITIONAL SECTORS/WORK POSITIONS

3 NM RADAR SEPARATION STANDARD IN APPROACH ENVIRONMENT

STATUS QUO: THE STANDARD IS 5NM UNDER CONSIDERATION: 3NN APPROPRIATE ATS AUTHORITY

SPACING ON FINALAPPROACH 5 TO 6 NM SIMULATANEOUS RUNWAY OPERATIONS & REDUCED RUNWAY OCCUPANCY TIME DUE RAPID EXIT TAXIWAYS HAS RENDERED INTER ARRIVAL SPACING AT 5-6NM

### **EXPEDITION OF DEPARTURES**

INDEPENDENT RUNWAY FOR DEPARTURES IN THESIMULATANEOUS RUNWAY OPEARTIONS, EITHER RWY 28
(WHEN 29 IS ARR RWY) OR RWY29 (WHEN 27 IS ARR RWY) IN USE EXCLUSIVELY FOR DEPARTURES

ARRIVAL SLOTS / MEANS OF ESTIMATING TRAFFIC

TACTICAL SOLUTION: ARRIVING AIRCRAFT INFORMED OF ESTIMATED TOUCH DOWN TIME BASED ON TWO MINUTES INTER-ARRIVAL INTERVAL

4 CORNER POST SYSTEM/ARRIVAL GATE

PROCEDURES HAVE ESTABLISHED THE 4
GATEWAYS TO THE INDIAN CARITAL;
SAM, SSB, SAPLO AND AKBAN ARRIVAL FIXES
ENSURE AN ORDERLY FLOW

# DESCENT PROFILE AT FARTHER/NEARER POSTS

AS PRESCRIBED

E.G., IN WESTERLY FLOW (28D/29A) XYZ123 VIA AKBAN
LEAVES THE FACILITY AT F150 F110 WITH DEPARTURES
BELOW AT F90, WHEREAS, THE DEPARTURES CLIMB ABOVE
F130 WELL BEFORE X-ING THE STAR, SAPLO 54, WHILST THE

### AIRCRAFT DESCENT PROFILE

MUTUALLY SATISFACTORY TO ATM & AIRLINES

MB RULE OF 3:1(A) TUDE IN 100S OF SET:DISTANCE IN

### STANDARDISATION OF TRAFFIC PATTERNS

STANDARDISED: PBN/RNAV PROCDURES
DESIGNED WITH 8/11 NM FROM CENTRELINE
DOWNWIND LEGS, WITH VM LEGS FOR
BASELEGS

# SIMPLIFIED & UNCOMPLICATED DEPARTURE PROCEDURES

ESTABLISHED: PBN PROCEDURES/RNAV SIDS

RTURES ASSIGNE AGHER ALTITUDE WITH CAL PROFILE REPARICTIONS INCOME TED IN THE PROCEDURE REDUCING FLIGHT CREW WORKS DANS IMPROVING FMS UTILISATION

### SPEED CONTROL

1.STANDARDISED: PBN/RNAV PROCDURES DESIGNED SPEED CONTROL PROCEDURES 2.PUBLISHED SPEED CONTROL PROCEDURES FOR ARRIVING FLIGHTS WITHIN 30/15 NM AND BELOW 10000FT

### **ENROUTE HOLDING**

UNDER ACTIVE CONSIDERATION OF APPROPRIATE ATS

INFRATRUCTURE/GOOD ATM PRACTICES AND PROCEDURES
-ESPECIALLY WITH DEMAND NOT EXCEEDING 700
MOVEMENTS

MINIMAL TRAFFIC FLOW MANAGEMENT PROCEDURES

COMING SOON: AUTOTRAC 3 AMAN FEATURE OF

MA IOD TOLINIZ DOLITES.

DEDUCED I ONCITUDINAL

AIR TRAFFIC CONTROLLERS MANAGERS

AERODROME ENVIRONMENT

VISUAL SEPARATION

- RESTRICTED VIEW, LOW VISIBILITY, DUST & HAZE NEED TO BE FACEORED
- \*SECURITY REASONS (PROHIBIT<mark>ED/RESTRICTED AREAS IN THE PROXIMITY)</mark>NEED TO BE FACTORED

### RADAR CONTROL: STAFFING AND SECTORS

- •SEPARATE ARRIVAL & DEPARTURE CONTOLLERS IN APPROACH
- TWO SECTORS IN ENROUTE SURVEILLENCE(ACC)
- THIRD SECTOR PLAN APPROVED/IMPLEMENTATION IN NEAR FUTURE)

AIR TRAFFIC CONTROLLERS MANAGERS

### SPECIALIST/GENERALIST

MULTI TASKING IS THE INDIAN MANTRA

- \*FREQUENCY OF ROTATION NOT DESETTLING
- PROVIDES FLEXIBILITY
- \*PROVIDES JOB ROTATION, JOB ENRICHMENT + VE HR PRATICE
- **•LINKED TO TRANSFER POLICY**

### ON ATCs PERFORMING NON ATC DUTIES

#### REDUCED

- SINGLE POINT ADMINISTRATION
- \*FINANCE PERSONNEL IN RNFC/REVENUE FUNCTIONS
- \*ADMINISTRATIVE SUPPORT STAFF FOR ATM SUPPORT DEPARTMENTS

### AIR TRAFFIC CONTROLLERS MANAGERS

#### **WORK SCHEDULE**

DOC 9426 REVIEW/ 42 HOURS IN 5 DAYS WITH CLEAR OFF

TOP MANAGEMENT DOWALK

### REINFORCEMENT

- \*REGULAR RECRUITMENTS
- \*CATC, ALLAHABAD FOR AB INITIO AND RADAR COURSES & A NEW TRAINING SCHOOL AT HYDERABAD FOR ACC COURSE
- •REGIONAL TRAINING CELL CONDUCTING REGULAR PROGRAMS

