

### Setting up of Small Power Projects by Karnataka

151. SHRIMATIBASAVARAJESWARI: Will the Minister of ENERGY be pleased to state:

(a) whether Karnataka Government has prepared a plan for setting up small power projects and forwarded it to Union Government for approval;

(b) if so, the details thereof; and

(c) how many projects have been cleared by Union Government so far?

THE MINISTER OF ENERGY AND MINISTER OF CIVIL AVIATION (SHRI ARIF MOHAMMAD KHAN): (a) Yes, Sir.

(b) and (c). The Government of Karnataka had forwarded the following three schemes to the Government of India for approval:

1. Mallapura Hydel Scheme (2 x 4.5 = 9 MW)
2. Brindavan Hydel Scheme (2 x 6 = 12 MW)
3. Bhadra Right Bank Canal Hydel Scheme (Additional Unit) (1 x 6 = 6 MW)

All these schemes have been accorded techno-economic clearance by the Central Electricity Authority and the Mallapura Hydel Scheme is even under implementation.

### Production of Crude Oil

152. SHRIMATIBASAVARAJESWARI: Will the Minister of PETROLEUM AND CHEMICALS be pleased to state:

(a) whether the target set for crude oil

production in the Seventh Plan is likely to be achieved;

(b) if not, the main reasons therefor;

(c) the extent of shortfall; and

(d) the steps taken or proposed to meet the shortfall?

THE MINISTER OF PETROLEUM AND CHEMICALS (SHRI M.S. GURUPADASWAMY): (a) to (d). The Seventh Five Year Plan target envisaged a crude oil production of 159.14 million tonnes. As against this, actual production is expected to about 157.2 million tonnes i.e. a shortfall of about 2 million tonnes. The shortfall is attributable to operational difficulties in the North-Eastern Region. Since the Seventh Plan is almost over, it may not be possible to make up the shortfall at this stage.

### Modernisation of Airports

153. PROF. K.V. THOMAS: Will the Minister of CIVIL AVIATION be pleased to state:

(a) the revenue earned from each of the airport in the country during the last three years;

(b) the steps taken in each of the airports for their modernisation during the last three years; and

(c) the details of the future plan for the modernisation of airports?

THE MINISTER OF ENERGY AND MINISTER OF CIVIL AVIATION (SHRI ARIF MOHAMMAD KHAN): (a) The total revenue earned by National Airports Authority and International Airports Authority of India during the last three years was as under:—

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1986-87 — Rs. 213.02 crores

1987-88 — Rs. 272.10 crores

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1988-89 — Rs. 310.05 crores

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Airportwise accounts are being maintained by National Airports Authority from 1989-90.

(b) Statement—I is given below.

(c) Statement—II is given below.

#### STATEMENT—I

In the last three years, National Airports Authority has taken up construction, development expansion and upgradation of facilities at the following Aerodromes as per details given below:—

##### I. *Works Completed:*

##### A. *New Aerodromes:—*

(i) Aggati

(ii) Calicut

(iii) Shimla

(iv) Pondicherry

##### B. *New Terminal Buildings:—*

i) Along (Semi permanent building)

ii) Gorakhpur (Semi permanent building)

iii) Leh

iv) Trivandrum (New international terminal block)

v) Jammu

vi) Ranchi

vii) Goa (New international block)

viii) Bangalore (New international block)

ix) Pune

##### C. *Extension and Modifications to the Existing Terminal Building Complexes:—*

(i) Srinagar,

(ii) Kulu,

(iii) Guwahati,

(iv) Port-blair,

(v) Mangalore,

(vi) Cochin,

(vii) Jorhat,

(viii) Trichy,

(ix) Lucknow,

(x) Varanasi.

##### D. *Improvement to Runways and Associated Pavements at:—*

1. Aizwal,

2. Keshod,

3. Tirupathi,

4. Mangalore,

5. Cuddapah,

6. Porbandar,

7. Palanpur (Deesa),

8. Satna,
9. Khajuraho,
10. Imphal,
11. Ludhiana,
12. Kolhapur,
13. Sholapur,
14. Hubli.

**E. Upgradation of Runways and Associated Pavements for Boeing/Air Bus 320:—**

- i) Ahmedabad,
- ii) Coimbatore,
- iii) Bhubaneshwar,
- iv) Dimapur,
- v) Jorhat,
- vi) Trichy,

**II. Works In Progress:**

**A. New Terminal Building Complex:—**

- (i) Coimbatore,
- (ii) Ahmedabad,
- (iii) Goa,
- (iv) Gwalior,

**B. Additions and Alterations to the Existing Terminal Bldg:—**

1. Mohanbari,
2. Lilabari,

3. Trivandrum (Domestic wing)

**C. New Aerodrome:— Tuticorin.**

**D. Extension/Upgradation of Runway and Associated Pavements:—**

- i) Bhopal,
- ii) Varanasi,
- iii) Lilabari,
- iv) Dimapur,
- v) Bhubaneshwar.

**Electronic Facilities Installed at Airports after 1/8/86**

**(1) Instrument Landing System (ILS):**

- 1) Imphal
- 2) Patna
- 3) Jammu
- 4) Mohanbari
- 5) Agartala
- 6) Varanasi (now under installation)
- 7) Jaipur
- 8) Ahmedabad
- 9) Calcutta (Reciprocal)
- 10) Lucknow\*
- 11) Amritsar\*
- 12) Bhopal

\*Localiser and Glide Path Units installed. Markers in Progress at Amritsar.

(2) *VORs (Very High Frequency Omni Range):*

- 1) Bellary
- 2) Baroda
- 3) Gulbar-ga\*
- 4) Indore
- 5) Calicut
- 6) Mohanbari
- 7) Mangalore
- 8) Rajkot\*
- 9) Sikandarabad
- 10) Udaipur
- 11) Vishakhapatnam
- 12) Jammu\*

\*Awaiting Commissioning

(3) *DVOR (Doppler VORs):*

Madras and Bombay, Hyderabad

*HF SSB (RDARA—Air to Ground Communication Station)*

28 Stations.

*VHF Transmitters/Receivers for Pilot/Controller, Communication*

26 Stations for Vayudoot Operations.

*NDB (Non Directional Beacon)*

26 Stations for Vayudoot Operation.

*Airport Speech Recorders (Multi Channel)*

16 Stations.

*AMSS (Automatic Message Switching System)*

1) Delhi Airpot.

2) Bombay Airpot.

*H.F SSB Transreceivers (for Controller to Controller Communication)*

10 Stations.

*Aircrafts with Flight Inspection System*

2 Dornier aircrafts fitted with automatic flight inspection equipments designed to our specifications delivered and being used.

*Calicut Airport:*

Navigation and Communication facilities namely VOR, NDB, VHF R/T, Inter Tower Radio Telephony, Wireless Telegraphy and public Address System and closed circuit T.V. have been provided at newly constructed Calicut Airport.

*Agatti Airport:*

A New Transmitting Station Building has been constructed at Agatti (Lakshadweep) and VHF Radio Telephone and NDB facilities installed.

*Simla Airport:*

VHF Radio Telephony for Air-Ground Communication and NDB facilities have been provided at the newly constructed airport.

*IAAI:*

The precise areas of development/modernisation for existing facilities taken up by the IAAI at four international airports at Delhi, Bombay, Calcutta and Madras are as under:—

(i) **Construction of New Terminal Complexes.**

- New International Terminal Complex (Phase-I) at IGI Airport; Delhi, commissioned in May, 1986.
- New International Terminal Complex at Madras Airport opened for regular operations since 26.4.1989.
- Construction of New International Terminal at Calcutta Airport is in progress at an estimated cost of Rs. 19.58 crores which is likely to be commissioned by 1992.
- Expansion and modification of existing Domestic Terminal Complex at Bombay Airport at an estimated cost of Rs. 19.73 crores, is in progress and is likely to be commissioned by 1991.

Modern amenities and facilities of international standards, like aero-bridges, escalators, elevators, baggage, conveyors, fire alarm and fire fighting system, CCTV, flight information system, Business Centres, centralised air-conditioning, etc. have been provided/being provided in these Terminals.

(ii) **Expansion and Modernisation of following cargo complex and cargo handling areas have been taken up during recent years:—**

- (a) Expansion of Cargo Complex at IGI Airport, Delhi for construction of additional storage and processing area was taken up during 1988-89 at an estimated cost of Rs. 4.84 crores which is nearing completion.

- (b) Expansion of Cargo Complex at Sahar Bombay Airport for construction of additional areas has been taken up during current financial year at an estimated cost of Rs. 6.82 crores. The work is progressing satisfactorily and likely to be completed by October, 1991.

(iii) **Construction of new aprons and Taxi-tracks at all the four airports has been taken up as per details given below:—**

- (a) Construction of additional parking bays for International Terminal at Bombay Airport at an estimated cost of Rs. 422.90 lacs was taken up during 1987-88 and is nearing completion.

New Taxi link connection B-3 taxi track and this apron was also taken up simultaneously at an estimated cost of Rs. 226.75 lacs which is nearing completion.

- (b) Construction of Rapid exit taxi track at Bombay airport has been taken up at an estimated cost of Rs. 126.25 lacs.

- (c) Construction of two nos. additional remote parking bays at Madras Airport at an estimated cost of Rs. 89.70 lacs is in progress and likely to be completed by the end of 1990.

- (d) Construction of New inclined taxi link connecting 10 end of Main Runway at IGI Airport, Delhi at an estimated cost of Rs. 106.00 lacs has since been completed.

(iv) Extension and strengthening of Runways.

(v) Provision of Shopping Centres and Business Centres.

### STATEMENT-II

*Future Plans of NAA:*

#### A. *New Terminal Complexes at:*

Bhuj, Dimapur, Madurai, Trichy, Pondicherry, Belgaum, Jaipur, Vijayawada, Hyderabad (Int), Bhuvaneshwar, Port-Blair, Bangalore.

#### B. *Extension and Modification to the existing Terminal Building Complexes at:*

Agra, Lucknow, Cochin, Jodhpur, Nagpur, Guwahati, Varanasi, Bangalore and Hyderabad.

#### C. *Upgradation/Development of Runway and Associated payment:*

Belgaum, Passighat, Tezu, Port-Blair, Ranchi, Jaipur, Lucknow, Vijayawada, Cochin, Nagpur, Indore and Baroda.

#### D. *New Aerodromes:*

1. Salem and
2. Tura.

Ground lighting facilities are planned to be provided at Imphal, Dibrugarh, Dimapur and Raipur Airports in the Eighth Five Year Plan.

*Future Plan of IAAI:*

Major projects included in the draft 8th Plan proposals of IAAI are as under:—

— New International Terminal Complex (Phase-III), Bombay Airport.

— New Domestic Terminal Complex (Phase-II), Madras Airport.

— New Domestic Terminal Complex, IGI Airport, Delhi.

#### **Cancellation of Indian Airlines Flights**

154. PROF. K.V. THOMAS: Will the Minister of CIVIL AVIATION be pleased to state:

(a) the details of Indian Airlines flights cancelled during the last one year;

(b) the reasons for the cancellation of these flights;

(c) the steps taken to minimise the cancellation of flights; and

(d) the steps taken for instrumental landing and take off the aircraft at major airports in the country?

THE MINISTER OF ENERGY AND MINISTER OF CIVIL AVIATION (SHRI ARIF MOHAMMAD KHAN): (a) and (b). During the year 1989, out of 93,125 flights, 2395 flights (2.57%) were cancelled. 150 flights were cancelled due to maintenance and flight handling, 951 flights due to weather, airport facilities and miscellaneous reasons and the remaining 1294 flights were cancelled due to consequential reasons.

(c) Indian Airlines has recently taken the following steps to minimise cancellation of flights:—

— In case serious snags occur, which are likely to result in cancellation or inordinate delays, the Chief Engineering Manager of the base station is