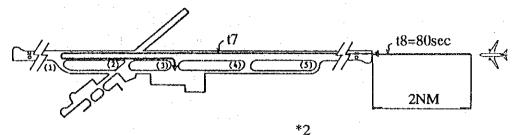
c. Landing followed by Take-off

Arrival aircraft is required to get approval of landing before the aircraft reaches 2 nm from runway threshold.

Large and Medium Jet

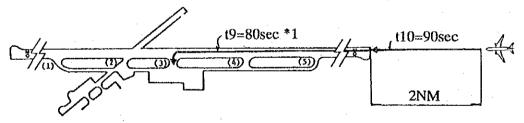


t8 = 2 nm / 150 kt + 30 sec = 78 sec = 80 secNote, *2: Time for communication

Ave. 149 sec Note, *1 : Based on survey

$$T1 = t7 + t8 = 144 sec$$

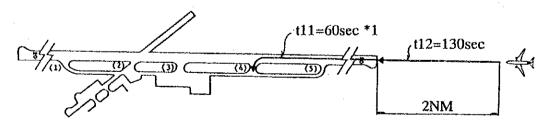
HS 748



$$t10 = 2 \text{ nm} / 120 \text{ kt} + 30 \text{ sec} = 90 \text{ sec}$$

 $T8 = t9 + t10 = 170 \text{ sec}$

DHC-6



$$t12 = 2 \text{ nm} / 70 \text{ kt} + 30 \text{ sec} = 133 \text{ sec} = 130 \text{ sec}$$

 $T9 = t11 + t12 = 190 \text{ sec}$

d. Landing followed by Landing

Same as c.

2) Average Runway Occupancy Time

		-	Unit	: Second
Type of Aircraft	Large and	HS-748	DHC-6	Average
· ·	Medium Jet			
Runway Usage Proportion	43%	27%	32%	-
a. Take-off followed by Take-off	120	115	60	102
b. Take-off followed by Landing	250	273	342	289
c. Landing followed by Take-off	144	170	190	169
d. Landing followed by Landing	144	170	190	169
<u> </u>			Average	183

3) Runway Capacity

 $C = 3600 \sec / 183 \sec = 19.7 = 19$ operations

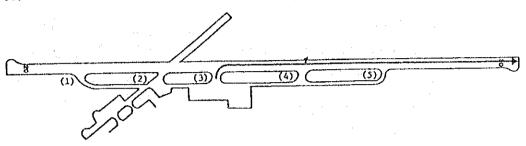
Case-2 Full length of the existing parallel taxiway is available to all types of aircraft, with radar control

1) Runway Occupancy Time

Minimum 3 nm is required for the reparation.

a. Take-off followed by Take-off

Jet

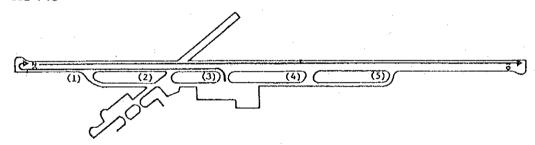


$$t1 = 3 \text{ nm} / 170 \text{ kt} = 66 \text{ sec}$$

$$T1 = t1 = 66 \sec \rightarrow 120 \sec *$$

*: Although an actual runway capacity time is 66 seconds, the minimum flight separation of 2 minutes is required for wake turbulences.

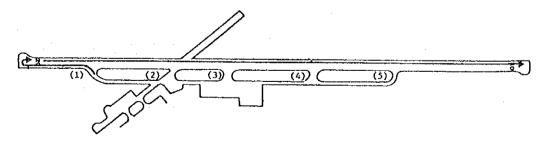
HS 748



$$t2 = 3 \text{ nm} / 150 \text{ kt} = 72 \text{ sec}$$

$$T2 = t2 = 72 \sec$$

DHC-6

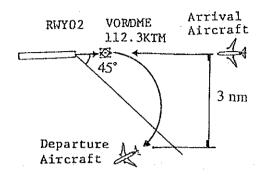


$$t3 = 3 \text{ nm} / 85 \text{ kt} = 127 \text{ sec}$$

$$T3 = t3 = 127 \text{ sec}$$

b. Take-off followed Landing

In this case, separation minima is defined as the following figure. Distance from RWY 02 to the point of departure aircraft is 6.23 nm.



Jet

$$t1 = 6.23 \text{ nm} / 210 \text{ kt} = 125 \text{ sec}$$

$$T4 = t1 = 125 sec$$

HS 748

$$t2 = 6.23 \text{ nm} / 175 \text{ kt} = 128 \text{ sec}$$

$$T5 = t2 = 128 sec$$

DHC-6

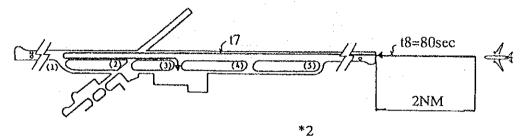
$$t3 = 6.23 \text{ nm} / 93 \text{ kt} = 242 \text{ sec}$$

$$T6 = t3 = 242 sec$$

c. Landing followed by Take-off

Arrival aircraft is required to get approval of landing before the aircraft reaches 2 nm from runway threshold.

Large and Medium Jet



t8 = 2 nm / 150 kt + 30 sec = 78 sec = 80 secNote, *2: Time for communication

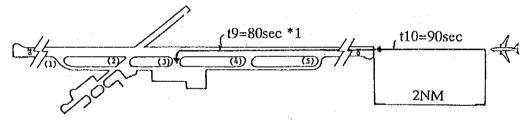
Large Jet
$$\{230 - (0.8 \text{ km} + 30 \text{ km/hr})\} \times 0.23 = 53 \text{ sec}$$

t7 $\{$
 $*1$
 $+$ $\} \div 2 = 63.5 = 64$
Medium Jet
$$125 \sec \times 0.77 = 96 \sec$$

Ave. 149 sec Note, *1: Based on survey

$$T1 = t7 + t8 = 144 sec$$

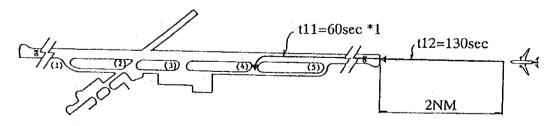
HS 748



$$t10 = 2 \text{ nm} / 120 \text{ kt} + 30 \text{ sec} = 90 \text{ sec}$$

 $T8 = t9 + t10 = 170 \text{ sec}$

DHC-6



$$t12 = 2 \text{ nm} / 70 \text{ kt} + 30 \text{ sec} = 133 \text{ sec} = 130 \text{ sec}$$

 $T9 = t11 + t12 = 190 \text{ sec}$

d. Landing followed by Landing

Jet

T7 = Wake Turbulence Minimum = 120 sec

ATC Minimum = 120 sec

HS 748

t2 = 3 nm / 120 kt = 90 sec

T8 = t2 = 90 sec

DHC-6

t3 = 3 nm / 93 kt = 154 sec

T9 = t3 = 154 scc

2) Average Runway Occupancy Time

			Uni	t: Second
Type of Aircraft	Large and Medium Jet	HS-748	DHC-6	Average
Runway Usage Proportion	43%	27%	32%	· · · · · · · · · · · · · · · · · · ·
a. Take-off followed by Take-off	120	72	127	106
b. Take-off followed by Landing	125	128	242	165
c. Landing followed by Take-off	144	170	190	169
d. Landing followed by Landing	120	90	154	121
			Average	141

3) Runway Capacity

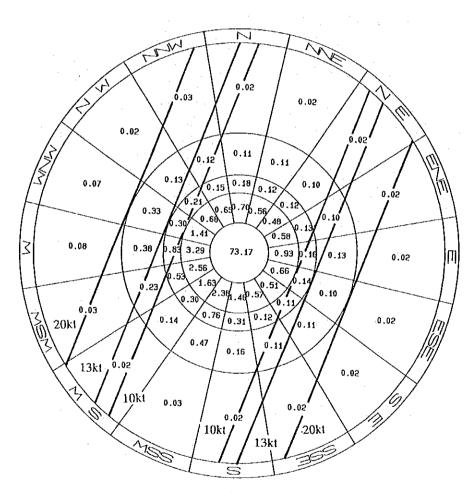
 $C = 3600 \sec / 141 \sec = 25.5 = 25 \text{ operations}$

Appendix - 6.2 Wind Coverage

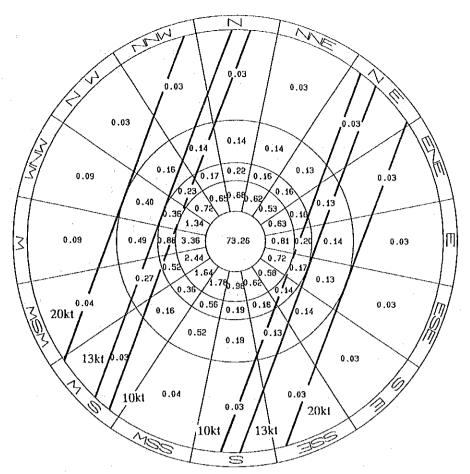
Wind Coverage for R/W 02-20

Season Cross Wind	All	Dry	Monsoon
10 kt	96.48	95.81	98.62
13 kt	98.40	98.02	99.61
20 kt	99.73	99.67	99.94

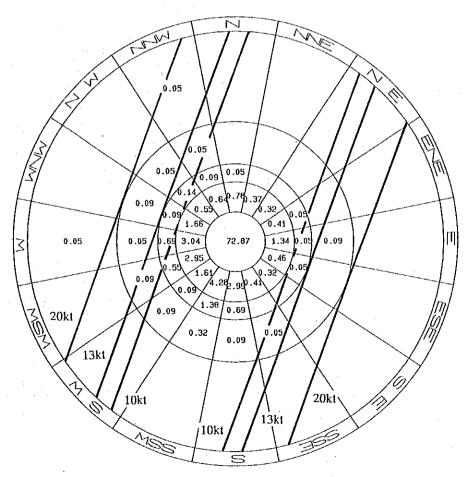
note : Data from 1990 to 1993, No tail wind source : Department of Hydrogy and Meteorology



Wind Rose of R/W 02-20 (All Season)



Wind Rose of R/W 02-20 (Dry Season)



Wind Rose of R/W 02-20 (Monsoon Season)

Appendix - 6.6 Passenger Processing Time Survey

Passenger Processing Time Survey

(1) International Passenger

The result of the survey, carried out on 28 to 30 august, 1992 is presented as follows:

1. Check-in

Date	No. of PAX Serveyed Surveyed	Average Processing
29 Jul	38	47'
30 Jul	43	62'
31 Jul		

2. Security Check

Date	No. of PAX Serveyed Surveyed	Average Processing
29 Jul	35	10'
30 Jul	68	13'
31 Jul		

3. Passport Control - Departure

Date		PAX Serveyed veyed	Average Processing
29 Jul	12	14'30"	73"
30 Jul	33	34'22"	63"
31 Jul			

4. Passport Control - Arrival

Date	No. of PAX Serveyed Surveyed	Average Processing
29 Jul	56	41"
30 Jul	29	48"
31 Jul		47"

5. Custom Cunter Arrival

Date	No. of PAX Serveyed Surveyed	Average Processing
29 Jul	46	78"
30 Jul	75	35"
31 Jul		

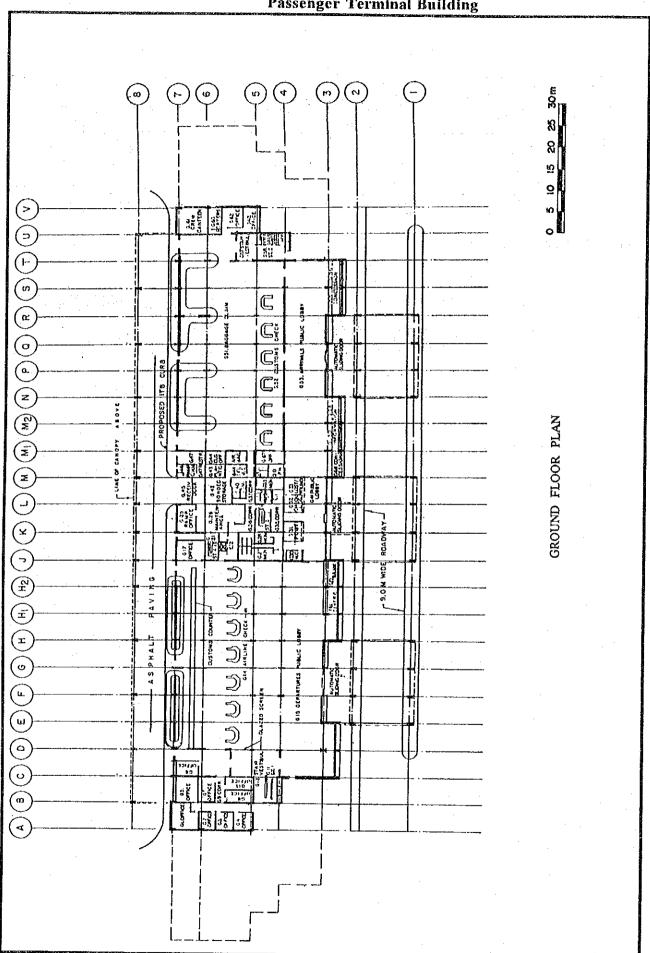
(2) Domestic Passenger

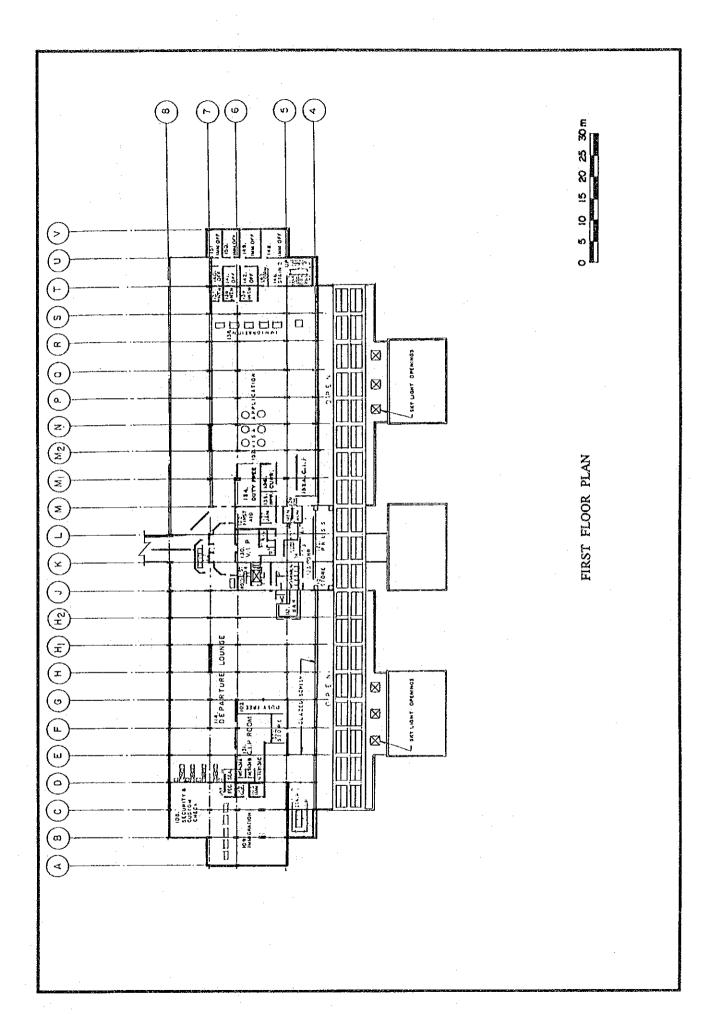
1. Check in

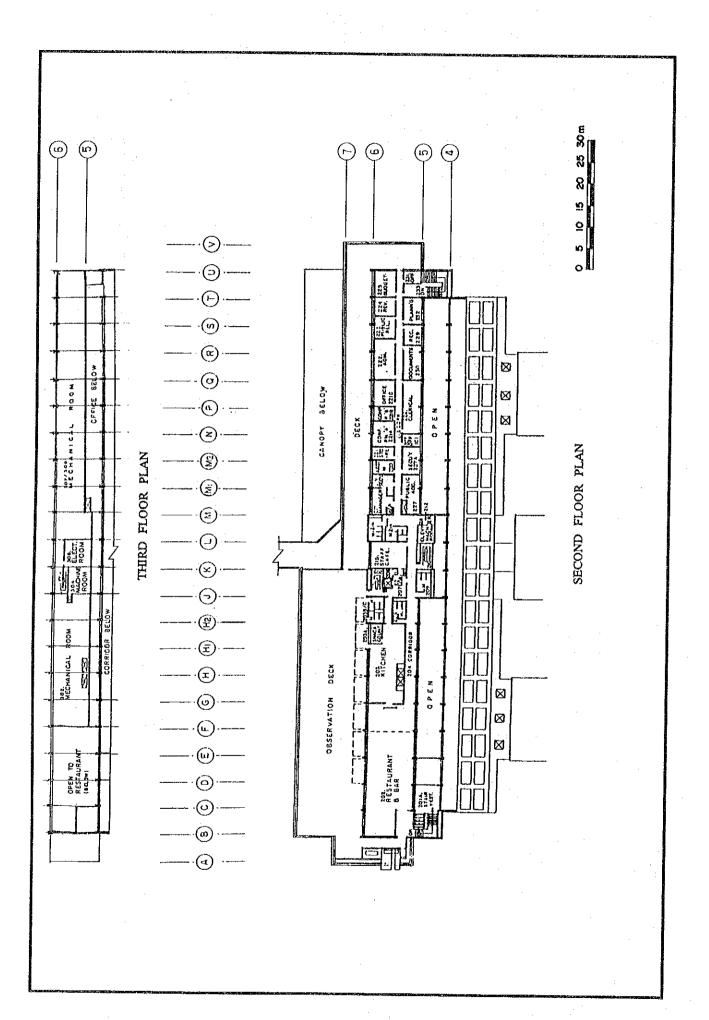
Date	No. of PAX Serveyed Surveyed	Average Processing
29 Jul	5 (3 minutes)	1.7 minutes
30 Jul		
31 Jul	31 (17 minutes)	1.8 minutes

2. Security Check

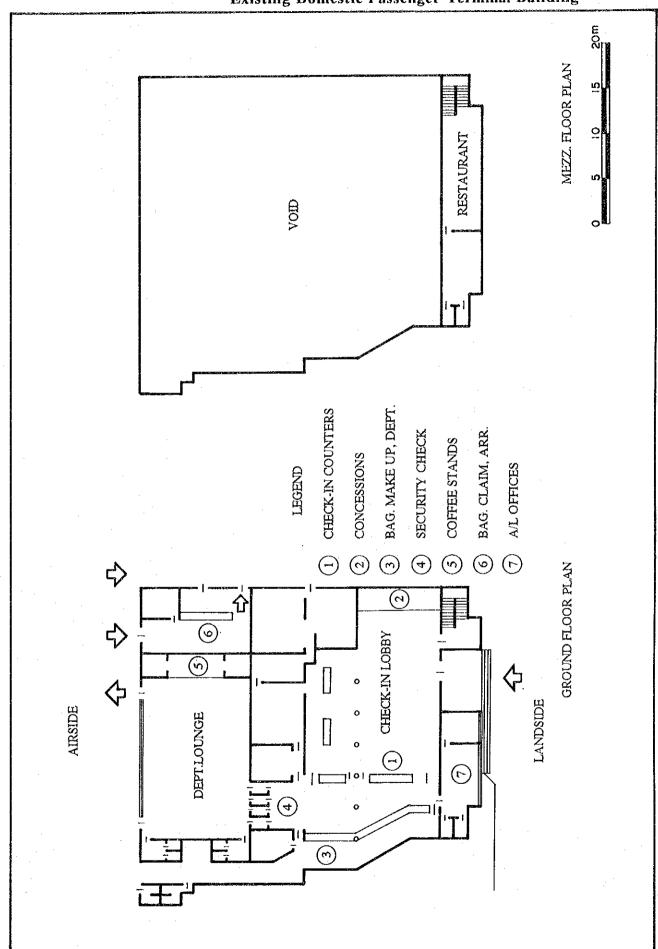
Date	No. of PAX Serveyed Surveyed	Average Processing
29 Jul	25 (10 minutes)	2.5 minutes
30 Jul	16 (5 minutes)	3.2 minutes
31 Jul	40 (11 minutes)	3.6 minutes



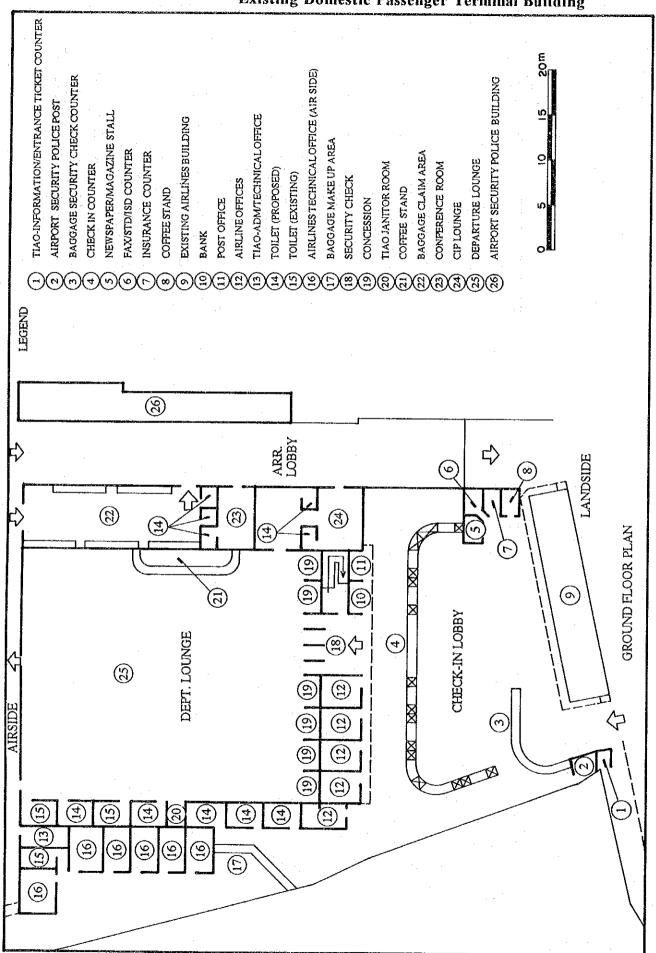


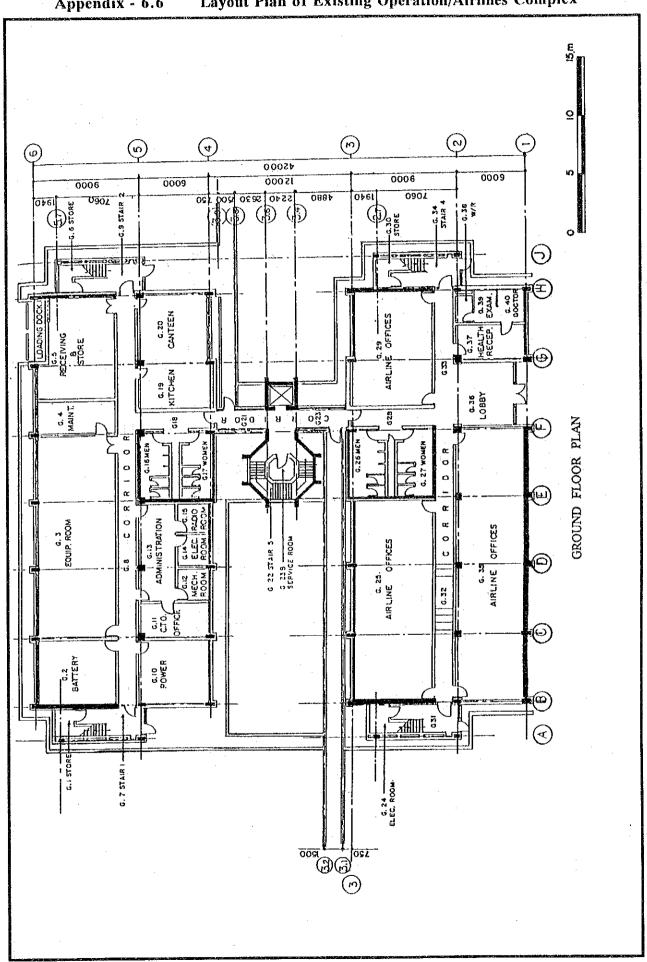


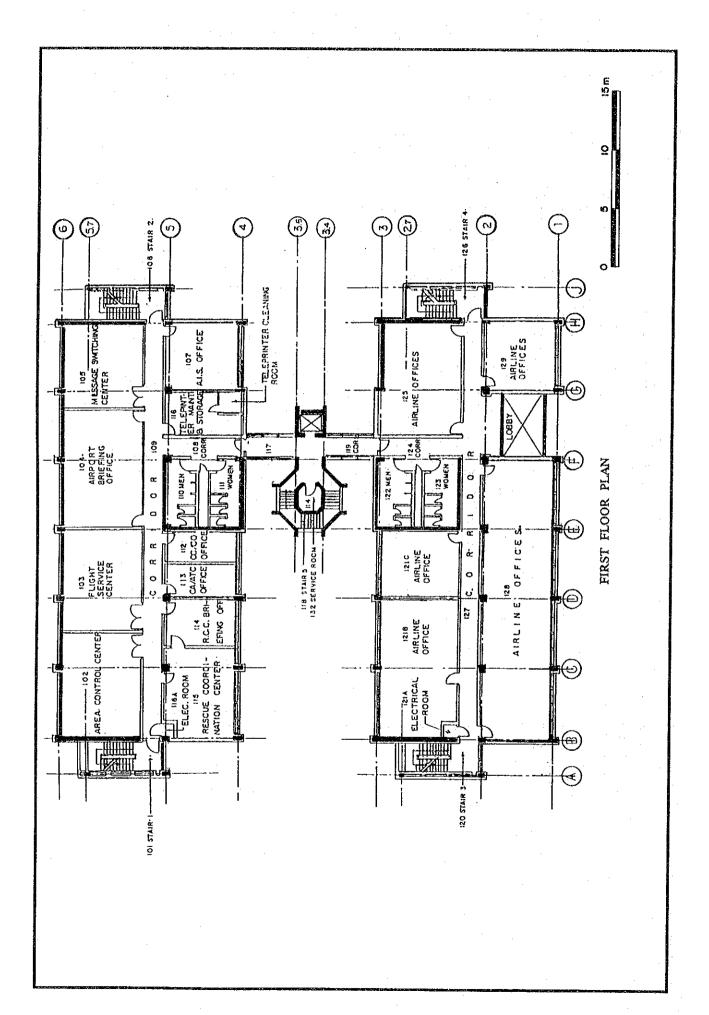
Appendix - 6.6 Layout Plan of Existing Domestic Passenger Terminal Building

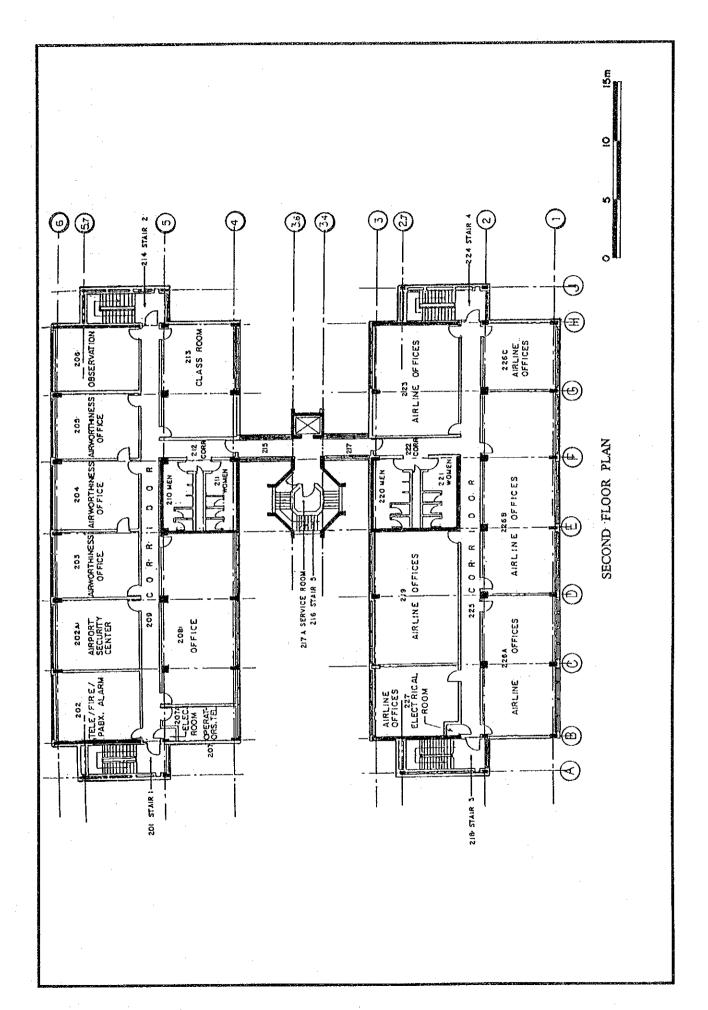


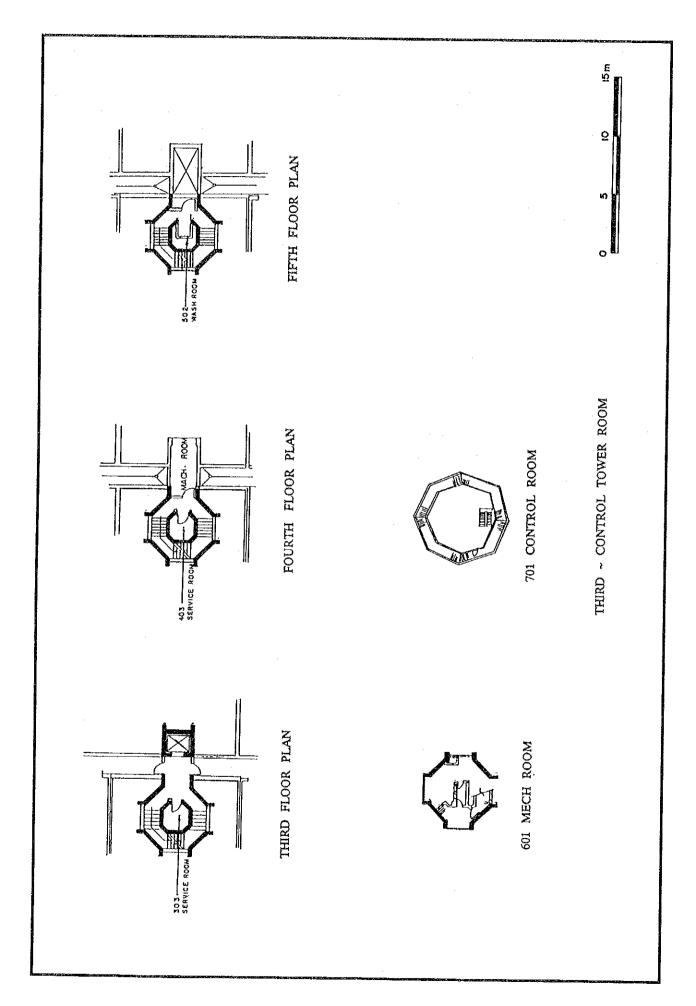
Appendix - 6.6 Temporary Expansion Plan of Existing Domestic Passenger Terminal Building











APPENDIX TO

CHAPTER 7

Appendix - 7.2 Airport Development Alternatives

Airport Development Alternatives

- (1) Terminal Area Development Planning
 - a) The development to the north (case 1) is selected as the most satisfactory plan in chapter 7.
 - b) However, if the necessary condition of relocating the existing aircraft maintenance area and hangars will not come true immediately. the following constraints will face the short-term airport development, which is expected to be implemented immediately to improve the conditions to meet the demands.
 - Urgency of improving the domestic terminal
 - This will require some time to remove existing facilities, such as aircraft maintenance area and hangars

Under the constraints, Case 1 and Case 2 are not adequate to apply immediately.

In the long run, the northern development will be the basis of planning. For the immediate development, a new domestic terminal should be free from the existing buildings.

- c) Hence, an another terminal alternative can be considered as follows;
 - The international terminal, which requires much deeper apron depth to accommodate larger types of aircraft, will expand to the present site to the north.
 - A "remote" new domestic terminal will be developed, apart from the international terminal.
- d) There are three alternatives, based on the following premises.
 - 182.5 m, the distance between the center lines of parallel taxiway and the runway center line of ICAO's ANNEX 14, is considered in the planning.
 - However, in order to keep the project cost low, shifting of the parallel taxiway is planned beyond the year 2010. The new apron will be planned to connect to the existing parallel taxiway at the southern site. As the northern site is easy to link with the end of RWY 20, this is planned as well.

CASE A was selected to minimize the earth work volumes to reduce the construction costs.

In this case, there are some problems as follows,

- Head-on encounter on the parallel taxiway could occur between arriving and departing aircraft. This will cause the delay and or decreasing the runway capacity.
- It will require the removal of the existing fuel farm and the international warehouse.

- It will require the re-alignment of the RING ROAD in order to solve the height difference between the airport side and the road.

The site of CASE B was moved to the south to be cleared of the existing facilities.

In this Case, there are still following problems:

- Head-on encounter of aircraft on the parallel taxiway
- Difficulty of the future expansion due to the location of the building
- Large volume of land fill required

CASE C was selected to avoid the aircraft head-on encounter on the parallel taxiway. This case gives better features of the airport operations and future expansion as follows:

- Particularly, this case will contribute to increasing the runway capacity, because of the connection of the taxiway to the end of RWY 20.
- In the future, this area will be connected with the expanded international terminal. This connection of domestic and international terminals will enhance better and more flexible operation. (See Fig. 7.1)
- e) Through the comparison of alternatives, the northern site of CASE C was selected.

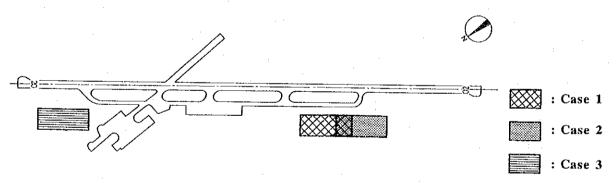


Figure 7.1 Alternatives of Remote Domestic Terminal

Table 7.1 Comparison of Alternatives for Remote Domestic Terminal

(C) Head-on between arriving & (C) Same with CASE 1 departing aircraft on parallel TWY
(Dual parallel TWY required) (B) Possible with slope
(C) Re-alignment of RING ROAD required (C) Traffic crossing on slope of RING ROAD (B) Simple
·.
(B) Possible
(C) Difficult
(C) Completely being separated
(A) Easy
(C) Not easy (high embankment)
(C) Large
2
— m
S REMOVAL OF EXISTING FACILITIES

(2) Terminal Area Layout

1) International Terminal

- a. The international apron is planned to handle large type aircraft. Taking into account this requirement and the following conditions of the planning, the 300 meter-width runway strip and the separation distance of 182.5 meters between the runway center line and the parallel taxiway center line, this requires deeper depth of the apron than at present. And there is a land limitation of the present airport property. Then "NOSE-IN and PUSH-OUT" aircraft configuration will be adopted for aircraft handling system on the apron.
- b. The existing international passenger terminal building is limited on its expansion due to the surrounding facilities. And larger design unit floor areas is planned to improve the level of service.

Therefore the following idea is set up for planning the international terminal.

- The existing PTB will be expanded within an allowance of the land area and also it will be rehabilitated to cope with the higher service expected.
- A new PTB will be constructed to complement the shortage of the existing PTB capacity for the need in the future.
- c. It should be noted that the parking spots for large aircraft (types of B-747, DC-10, etc.) will be short by two (2) in the year 2003 and 2010 respectively in comparison with the demand, if the existing facilities of aircraft maintenance area and hangars are not removed.

So it is quite requested to relocate them to the reserved sites as soon as possible to satisfy the requirements of the planning.

2) Domestic Terminal

- a. As it is mentioned previously, a new domestic passenger terminal is planned at the north-eastern site of RWY 20.
- As aircraft fleet for the domestic flight consists of small aircraft such as HS-748 and or DHC-6, "ANGLED SELF-MANEUVERING" parking configuration will be planned.

The apron is planned to accommodate 3 HS-748 and 3 DHC-6 for loading, 3 HS-748 for night stay, and 2 helicopters.

3) Cargo Terminal

 A cargo terminal is expected to be located beside aprons as for easy cargo-handling, smooth vehicle flows concerned and better airport operation.

So a domestic cargo terminal will be planned in the domestic terminal.

However an international cargo terminal will not be able to be planned besides the international apron because of the land limitation (the expansion of the international apron has also suffered from this land limitation.) and the existing facilities (which will take time for relocation) of the conditions in the planning. As the cargo terminal is one of the urgent works for improvement, it is required to leave the existing facilities as they are.

- b. The following alternatives were selected for the international cargo terminal.
 - in the new domestic terminal: It will be a long and complicated path to and from parked aircraft. And it will require further large volume of earth work to be filled.
 - alongside of the parallel taxiway: It will not solve the long conveying path at the present, because of lack of internal service roads. And its construction will cost high due to high embankment and the separation from the parallel taxiway planned to be shifted in future.
 - beside the international car park: There will be some cross of the traffic flows of cargo trucks and general cars between the cargo terminal and the apron. But the traffic volume of general cars, the traffic of which are originated around the aircraft maintenance area and hangars, will not be big as for the activity. It will give the shortest conveying length. And also this will be the easiest construction.

Through the comparison of the alternatives above, the last one was selected.

But, as mentioned before, the best site is the northern portion of the international terminal building (the aircraft maintenance area and hangars at present). So the selected alternative is preferable to be planned temporarily and tentatively.

- (3) Passenger Terminal Building Development Plans
 - a) Existing International Passenger Terminal Development Plan
 - Basic Passenger and Baggage Flow

Basic passenger and baggage flow for international operations is shown in Figure 7.2, and departing and arriving passenger flows should be segregated for terminal security. The departing customs inspection that is performed after check-in is a serious bottleneck during the peak seasons. For this purpose an alternative solution is described later.

Passenger Flow Concept

The following three alternatives were studied to evaluate a suitable concept in terms of the passenger flows as shown in Figure 7.3, and its characteristics are described as follows.

ALT-1: As passengers pass through apron on foot, it is not only dangerous for passengers but also disadvantageous for apron operations. It has been adopted only at small airports.

- ALT-2: Passengers move partially on the apron and pass through on underground passage beneath the service road. It is a costly construction for the underpass and an inconvenient level change for passengers.
- ALT-3: Passengers pass through PBB (Passenger Boarding Bridge), fixed bridges above service road and airside corridor so as to separate the flow from apron operations. It is safe for passengers and convenient for apron operations. It has been adopted at many airports throughout the world.

Thus it is recommended that ALT-3 be adopted as it is safe for passengers and convenient for apron operations.

- Departing and Arriving passenger Flows

Based on ALT-3 selected above, departing and arriving passenger flows were studied to segregate them in terms of terminal security, and these flows are shown in Figure 7.4 and 7.5, in section and plans.

In the airside corridors the departing passengers can utilize the first floor and the arriving passengers can use the ground floor. At the fixed bridges segregation will be managed with door control systems.

Possibility of Expansion

The existing passenger terminal building can be expanded both ways to the south with 3 bays (18m) and to the north with 4 bays (24m), without any bad influence of the existing facilities - access roads, other buildings parking area etc.. The terminal building will have about 3,270 sq.m in the total enlargement floor area.

Study of Development Customs Flows

It is understood that the customs inspection - departure is a government requirement. However, departing passenger and baggage flows point of view, it is inevitable to arrange a location of the customs (before Check-in Counter "ALT-B) in order to provide smooth and effective departing passenger flows.

It is a fact that extreme congestion at the customs counter (ALT-A) and long queues at check-in counters are observed during peak hours due to the customs locations and a shortage of the check-in counters. Therefore it is a serious bottleneck.

It is proposed to adopt ALT-B "before check-in" for the customs inspection in order to solve the bottleneck for facilitation. Comparison table of ALT-A and B, its departing customs inspection systems and its layout plans are shown in Table 7.2 and Figures 7.6 and 7.7.

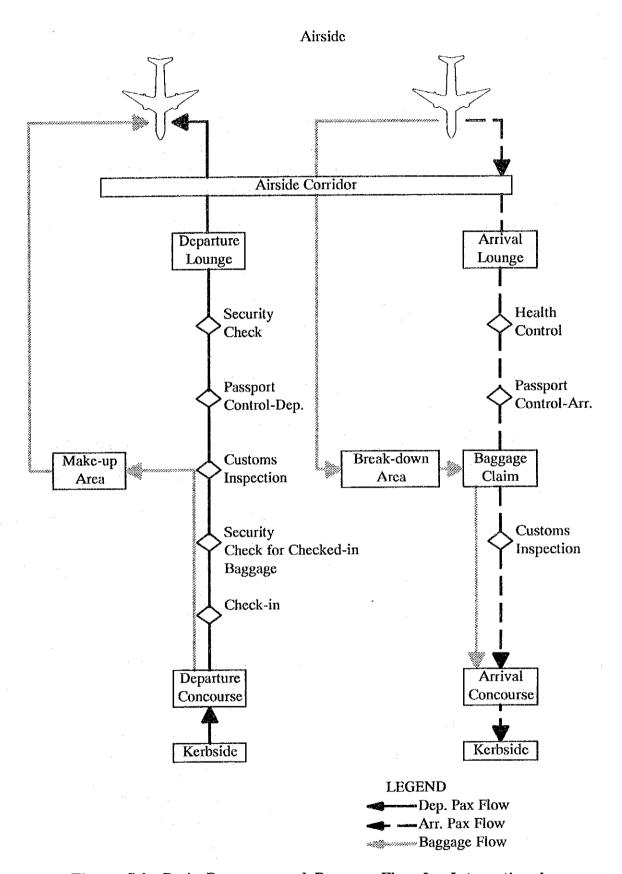
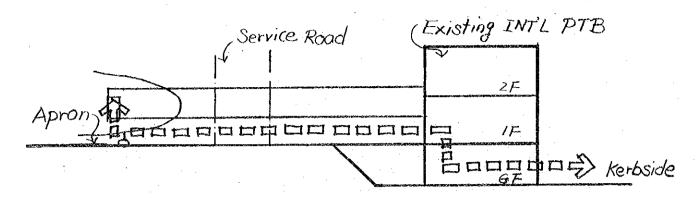
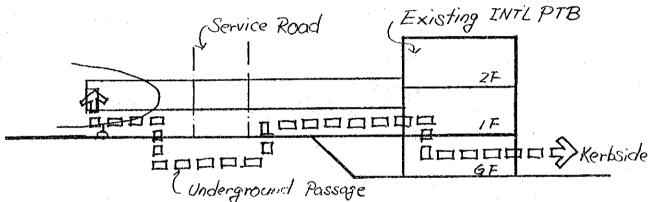


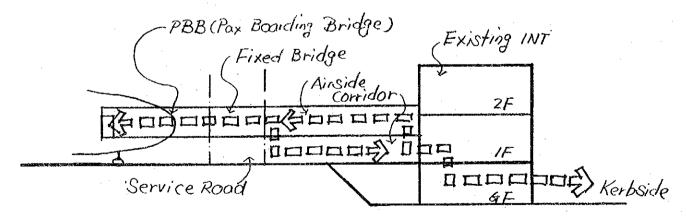
Figure 7.2 Basic Passenger and Baggage Flow for International



Alternative - 1: Apron Level Concept

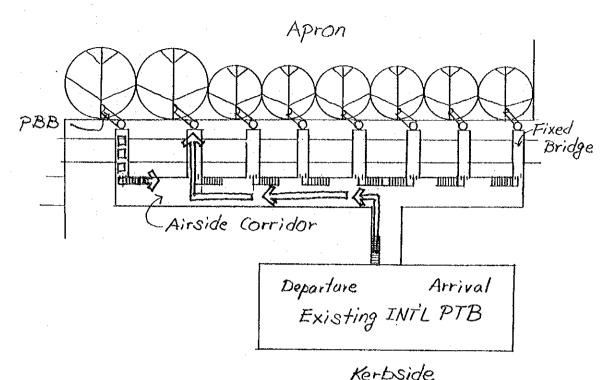


Alternative - 2: Apron Level and Underpath Concept



Alternative-3: Fixed Bridge with PBB (oncopt
LEGEND
LEGEND
Pax Flow

Figure 7.3 Passenger Flow Concepts



Airside Corridor, First Floor Level

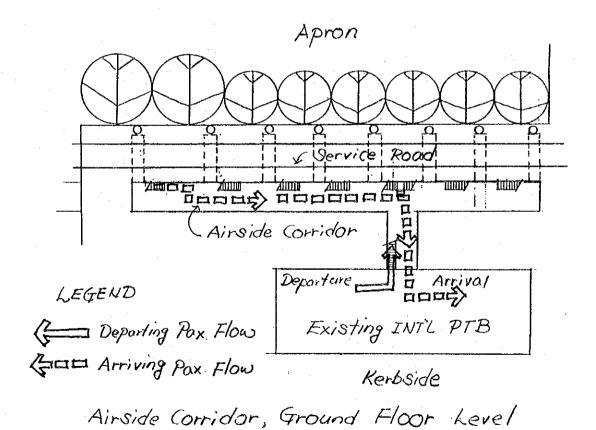
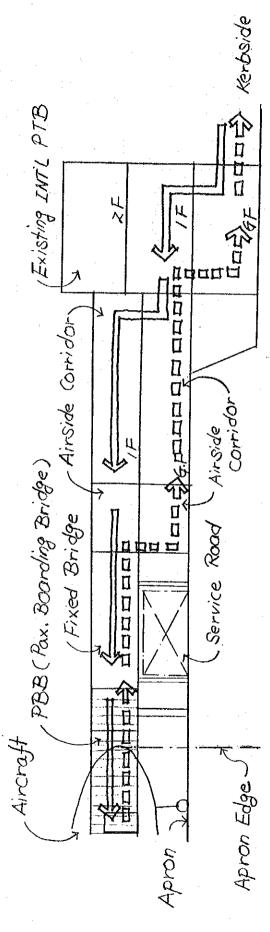


Figure 7.4 Departing and Arriving Passenger Flows, Floor Plan



Com Departing Pax How

LEGEND

Figure 7.5 Departing and Arriving Passenger Flows, Section

Table 7.2 Comparison of ALT-A and ALT-B

				·	*
	ALT	'	ALT - A		ALT - B
			"After check-in"		"Before check-in"
ITEM			Current system		Proposed system
1.	Customs Inspection	1.	Boarding pass	1.	Flight ticket
		2.	Baggages	2.	Bagagges
2.	Pax. and Baggage Flow		Not smooth		Smooth
			Complicated flows		Simple and
	•		and congestion at	l	Smooth flows
		:	customs counters		
3.	Pax.		Inconvenience		Convenient
	Convenience	ļ	Completed flows		Simple and
			and congestion at		smooth flows,
		ĺ	customs counters		Not long queue
	•		·		at check-in counters
4.	Airline		Inconvenience		Convenient
	Convenience		Completed passenger		Simple and smooth
	•		and baggage flow	•	passenger and
					baggage flow
					Recommendable

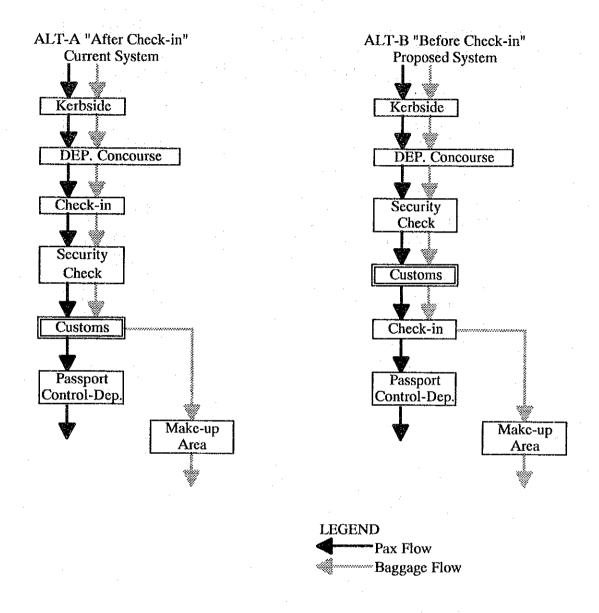


Figure 7.6 ALT-A and ALT-B on Departure Custom Inspection System

MEGEND

Figure 7.7 Alternative A and B Layout Plan

c) New International Passenger Terminal Development Plan

General

Basic passenger and baggage flow, passenger flow concept, departing and arriving passenger flow to segregate are the same as per a) existing international passenger building development plan as explained in the previous section.

Terminal Concept

Linear concept with one and a half level which is the same as the existing international passenger terminal building, will be planned. More development plan such as floor plans, elevations, sections will be discussed in the draft final report.

d) Floor Area for International Passenger Terminal Building

International passenger terminal buildings consist of existing and new terminal and based on the required floor area mentioned in Section 5.4.1. The terminal floor area are planned as follows.

	Existing Terminal	New Terminal	Total
2003	14,000 sq.m (including expansion of 3,270 sq.m)	11,000 sq.m	25,000 sq.m
2010	14,000 sq.m	19,000 sq.m (including expansion of 8,000 sq.m)	33,000 sq.m

e) New Domestic Passenger Terminal Development Plan

Basic Passenger and Baggage Flow

Basic passenger and baggage flow is shown in Figure 7.8. Based on the basic flow, new terminal development plan such as floor plans, sections and elevations will be studied in the draft final report. As to the terminal concept, linear concept with one level will be planned for the new terminal taking the passenger demand into account.

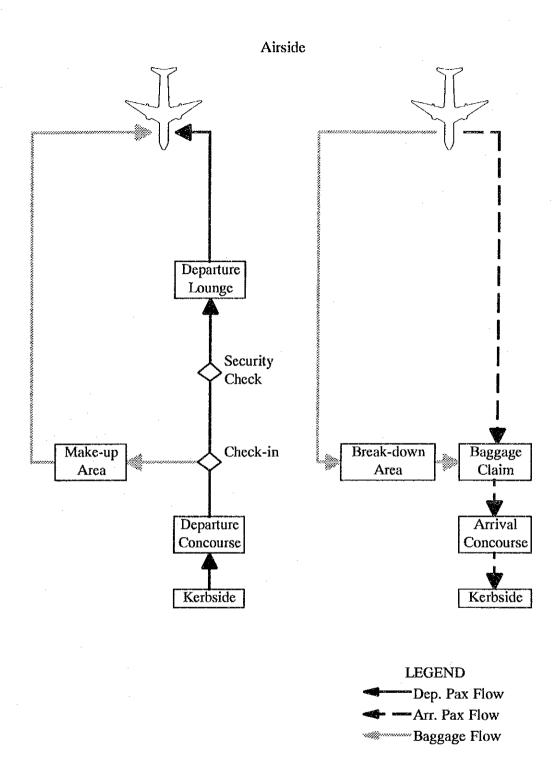
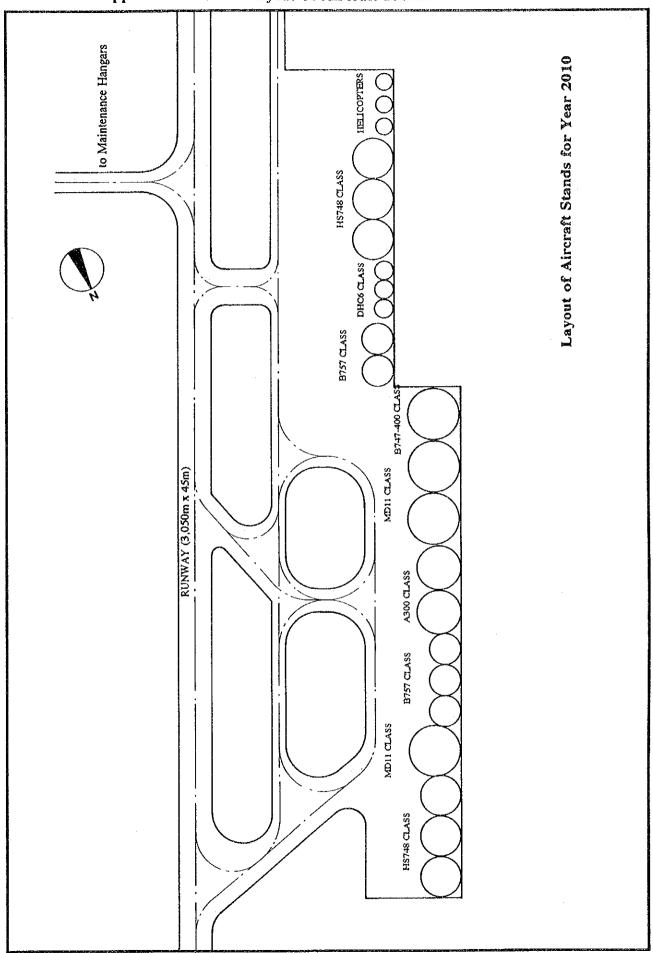


Figure 7.8 Basic Passenger and Baggage Flow for Domestic

APPENDIX TO

CHAPTER 11

Appendix - 11.3 Layout of Aircraft Stands for Year 2010



APPENDIX TO

CHAPTER 14

Appendix - 14.2.9 Design of Pavement Structure

Design of Pavement Structure

1. Taxiway

a) Design Criteria

Design Aircraft:

Aircraft Mass:

B747 273,300 kg

Annual Departures: Design CBR:

6,000 6.0 %

b) Structure of Pavement

Total Thickness: Bitumonous Surface:

Base Course: Subbase: 47 in (120 cm) 5 in (13 cm) 16.5 in (42 cm) 120-(13+42)= 65 cm

2. Apron

a) Design Criteria

Design Aircraft:

B747

Aircraft Mass:

273,300 kg 6,000

Annual Departures: K Value of Subgrade:

K75 = 4.1 kg/cm3

b) Structure of Pavement

Slab Thickness:

16.1 in (41 cm)

Base Course:

15 cm

3. Maintenance Apron

a) Design Criteria

Same as "2. Apron"

b) Structure of Pavement

Slab Thickness:

33 cm (80% of apron pavement)

Base Course:

15 cm

4. Shoulder

a) Design Criteria

Same as "1, Taxiway"

b) Structure of Pavement

Total Thickness:

60 cm (50% of taxiway pavement)

Bitumonous Surface:

5 cm

Base Course:

25 cm

Subbase:

30 cm

5. Service Road

a) Design Criteria

Same as "2. Apron"

b) Structure of Pavement

Slab Thickness:

23 cm

Base Course:

43 cm

APPENDIX TO

CHAPTER 18

Appendix - 18 Estimation of Share Ratio etc.

Table 18.1

Estimation of "Share Ratio of Nepalese Domestic Passengers to Total Domestic Passengers"

(A) Result of 1993 Passengers Interview Survey at Tribhuyan International Airport

"Nationality" at Domestic Lobby

	Number	Share
Nepalese	311	74.4%
Foreigners	107	25.6%
(India)	(39)	(9.3%)
(Other than India)	(68)	(16.3%)
(Nepalese + India)	(350)	(83.7%)
Total	418	100.0%

Table 18.2

Estimation of "Share Ratio of Business Purpose Passengers to Total Nepalese Domestic Passengers"

(A) Estimation of "Share ratio of business purpose passengers to total domestic passengers

Results of 1993 Passenger Interview Survey

"Purpose of Travel" at Domestic Lobby

	Number	Share
Holiday	99	23.7%
Business	58	13.9%
Convention	1	0.2%
Official	82	19.6%
Visiting Friend & Relatives	86	20.6%
Others	82	19.6%
Unknown	10	2.4%
Total	418	100.0%
Business Purpose	1	
(Business + Convention + Official)	(141)	(33.7%)

(B) Estimation of "Share ratio of business purpose passengers to total Nepalese domestic passengers"

Total Number of	Share Ratio of	Estimated Total
Foreign and Nepalese	Business Purpose	Number of
Domestic	Passengers	Business Purpose
Passengers in 1991	(1993 Interview	Passengers in 1991
(1,000)	Survey)	(1,000)
216	34%	73
(a)	(b)	(c)=(a)x(b)
Foreign Domestic	Share Ratio of	Estimated Number
Passengers	Forcign	of Foreign
in 1991 (1,000)	Business Purpose	Business Purpose
(Assumed as 26%,	Passengers	Passengers in 1991
= Share Ratio of	(Assumed as 20%,	(1,000)
Foreign Domestic	= Share Ratio of	
Passengers to	Foreign	
Total Domestic	Business Purpose	
Passengers)	International	
	Passengers)	
	(1991 Data in	
	Tourism Statistics)	
56	20%	11
(d)=(a)x26%	(e)	(f)=(d)x(e)
Nepalese Domestic	Estimated	Estimated Number
Passengers	Share Ratio of	of Nepalese
in 1991 (1,000)	Nepalese	Business Purpose
	Business Purpose	Passengers in 1991
	Passengers	(1,000)
160	38.8%	62
(g)=(a)-(d)	(h)=(i)/(g)	(i)=(c)-(f)

(C) Estimation of "Share ratio of business purpose passengers to total Nepalese domestic passengers"

40%

Estimation of Weighted Average Domestic Airfare for Nepalese from/to Kathmandu (one way) Table 18.3

Weighted Amount Per passenger for Nepalese Unit Airfare 5.3% 3.0% 1.8% 1.6% 1.6% 0.7% 12.0% 29.7% 2.6% 2.0% 2.4% 4.1% 100.0% Ex. Others) (Share 0.6% (Share) Number of Passengers in 1992 5,414 9,180 1,508 27,209 57,298 5,893 2,044 6,834 4,182 3,688 3,565 1,596 36,966 4,551 462 19,651 263,529 226,563 Route (From/to Kathmandu, KTM) Rukumkot (Chaurajhari) Total Excluding Others Bhairahawa Ramechhap Fumlingtar Lamidanda Nepalgunj Biratnagar Dhangadhi Bharatpur Meghanli Rumjatar Janakpur Pokhara Bhojpur Phapul Others Jumla Luka Simra Total RUM MEY <u>Z</u> LUA SCH PKR BHP Ä IMI 쫎 ЕP

Note: 1) Numbers of passengers by route are referred to Table 3.5.11.

2) Out of routes in Table 3.5.11, those without airfare data are excluded for calculation of weighted average domestic airfare for Nepalese.

3) "Mountain Flight" is excluded for calculation of weighted average domestic airfare for Nepalese.

4) Share ratio of Nepalese to total domestic passengers is assumed to be fixed for each route above.

5) Airfare as of Winter Schedule Oct. '93 - Feb. '94,

6) As for the routes in which multiple airlines operate, airfares are based on those of Royal Nepal Airlines.

7) In the domestic passenger airfare, tariff system is classified into two categories; "Nepalese and Indian" and "Foreignses excluding Indian".

Table 18.4

Estimation of Share Ratio of Nepalese and Foreign Passengers to Total International Passengers

Results of "International Passengers Traffic Forecast"

(Unit: 1,000 persons, %)

r		To the state of th		(01111. 1,01	or persons,	10)
<u> </u>	l'ear .	1995	2000	2003	2005	2010
Internationa	1					
Passengers						
Nepalese		280	380	430	480	590
	(Share)	(29.8%)	(30.4%)	(30.1%)	(30.6%)	(30.4%)
Foreigners		660	870	1,000	1,090	1,350
	(Share)	(70.2%)	(69.6%)	(69.9%)	(69.4%)	(69.6%)
Total		940	1,250	1,430	1,570	1,940
		(100.0%)	(100.0%)	(100.0%)	(100.0%)	(100.0%)

Note: Refer to Table 4.2.1.

Table 18.5 Estimation of "Share Ratio of Business Purpose Passengers to Total Nepalese International Passengers"

(A) Estimation of "Share ratio of business purpose passengers to total international passengers

Results of 1993 Passenger Interview Survey

"Purpose of Travel" at International Lobby

	Number	Share
Holiday	182	54.8%
Business	55	16.6%
Convention	16	4.8%
Official	28	8.4%
Visiting Friend & Relatives	16	4.8%
Others	35	10.5%
Unknown	0	0.1%
Total	332	100.0%
Business Purpose		
(Business + Convention + Official)	(99)	(29.8%)

(B) Estimation of "Share ratio of business purpose passengers to total Nepalese international passengers"

Total Number of	Share Ratio of	Estimated Total
Foreign and Nepales	Business Purpose	Number of
International	Passengers	Business Purpose
Passengers in 1991	(1993 Interview	Passengers in 1991
(1,000)	Survey)	(1,000)
781	30%	234
(a)	(ъ)	(c)=(a)x(b)
Foreign	Share Ratio of	Estimated Number
International	Foreign	of Foreign
Passengers	Business Purpose	Business Purpose
in 1991 (1,000)	Passengers	Passengers in 1991
i .	(20%,	(1,000)
	= Share Ratio of	
	Foreign	
	Business Purpose	
	International	
	Passengers)	÷
	(1991 Data in	
	Tourism Statistics)	
536	20%	107
(d)	(e)	(f)=(d)x(e)
Nepalese	Estimated	Estimated Number
International	Share Ratio of	of Nepalese
passengers	Nepalese	Business Purpose
in 1991 (1,000)	Business Purpose	Passengers in 1991
	Passengers	(1,000)
245	51.8%	127
(g)=(a)-(d)	(h)=(i)/(g)	(i)=(c)-(l)

(C) Estimation of "Share ratio of business purpose passengers to total Nepalese international passengers"

52%

Estimation of Weighted Average International Airfare from/to Kathmandu (one way)

Route	Number of Passengerg in 1992	zerg in 1992		Airfare ner nassenger	noer	Weighted Amount	
	,	(Share)	(Share for	(US\$)	(Rs.)	mpoure pouga.	-
			Total cx.	(Economy)	(Assumed Rate)	(US\$)	(Rs.)
			"Others")		(Rs.49.0/US\$)		
Bangkok	123,844	18.5%	20.1%	265	12,985	53.3	2.610
Bombay	16,454	2.5%	2.7%	257	12,593	6.9	340
Calcutta	66,320	6.6%	10.8%	96	4,704	10.4	508
Delhi	168,672	25.2%	27.4%	142	6,958	38.9	1.906
Dhaka	41,826	6.3%	6.8%	98	4,214	5.8	287
Dubai	28,684	4.3%	4.7%	414	20,286	19.5	953
Hong Kong	42,414	6.3%	6.9%	429	21,021	29.6	1.450
Karachi	34,772	5.2%	5.6%	189	9,261	10.6	519
Lhasa	13,006	1.9%	2.1%	190	9,310	4.0	961
Paro	934	0.1%	0.5%	165	8,085	0.3	191
Singaporc	853	0.1%	0.1%	405	19,845	0.4	20
Varanasi	67,187	10.0%	10.9%	71	3,479	7.7	379
Sarjah	11,028	1.6%	1.7%	454	22,246	7.7	378
Others	52,983	8.1%	1				
Total	668,977	100.0%	,				
Total Excld. "Others'	615,994	,	100.0%			195.1	0 567

Note: 1) Numbers of passengers in 1992 are referred to Table 3.5.11.

2) Airfares per passenger (economy class) are based on the information of the travel agent in Kathmandu.

Table 18.7 Estimation of Weighted Average International Departure Tax

Route			Number of		Tax	Weighted	
			Passengers	(Share)	per	Average	
					Psg.	International	
					(Rs.)	Departure	
						Tax (Rs.)	
(A)	Related to SAARC	Countries		:			
	Bombay	(India)	16,454				
	Calcutta	(India)	66,320				
	Delhi	(India)	168,672				
	Dhaka	(Bangladesh)	41,826				
:	Karachi	(Pakistan)	34,772				
:	Paro	(Bhutan)	934				
	Varanasi	(India)	67,187			·	
	(Subtotal)		396,165	64.3%			
	(Foreigners)			600	386	(a)
	(Nepalese)				500	322	(b)
(B)	Related to Other T						
	Bangkok	(Thailand)	123,844				
	Dubai	(U.A.E.)	28,684				
	Hong Kong	(Hong Kong)	42,414				
	Lhasa	(China)	13,006				
	Singapore	(Singapore)	853				
	Sarjah	(U.A.E.)	11,028				
	(Subtotal)	•	219,829	35.7%			
	-					2.50	
	(Foreigners))			700	250	(c)
	(Nepalese)				600	214	(d)
	Foreigners				(a)+(c)	636	(e)
· · · · · · · ·	Nepalese				(b)+(d)	536	(f)
	(Total)	(70.00)				2445	(1)
	(Foreigners)	(70.0%) (g)			(e)*(g)	(445)	(i)
	(Nepalese)	(30.0%) (h)		1000	(f)*(h)	(161)	(j)
	<u>Total</u>		615,994	100.0%	(i)+(j)	606	

Note: 1) SAARC: South Asian Association for Regional Cooperation
(Bagladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sli Lanka)

- 2) Number of international passengers by route in 1992 is referred to Table 3.5.11. (Excluding "Other Routes")
- 3) Share ratio of Foreigners and Nepalese to total international passengers is assumed to be 70%: 30% based on the results of "International Passenger Traffic Forecast (Table 4.2.1)".

Table 18.8 Estimation of Share Ratio of Royal Nepal Airlines to Total International Passengers Transportation

(Unit: Number of passengers, %)

Airlines	1990		1991		1990+19	991
		(Share)	: .	(Share)	-:	(Share)
RA Royal Nepal Airlines	95,921	42.4%	110,387	41.2%	206,308	41.7%
IC Indian Airlines	67,552	29.8%	75,756	28.3%	143,308	29.0%
UB Myanmar Airways	1,440	0.6%	2,197	0.8%	3,637	0.7%
BG Biman Bangladesh Airlines	8,235	3.6%	11,436	4.3%	19,671	4.0%
TG Thai Airways International	24,719	10.9%	25,487	9.5%	50,206	10.2%
PK Pakistan International Airlines	5,872	2.6%	5,288	2.0%	11,160	2.3%
SQ Singapore Airlines	4,896	2.2%	5.135	1.9%	10,031	2.0%
LH Lufthansa German Airline	7,374	3.3%	9,132	3.4%	16,506	3.3%
KB Druk Air of Bhutan	466	0.2%	1,789	0.7%	2,255	0.5%
SZ China Southwest Airlines	1,436	0.6%	2,891	1.1%	4,327	0.9%
KA Dragonair of Hong Kong	4,338	1.9%	6,007	2.2%	10,345	2.1%
SU Aerofiot	124	0.1%	2,168	0.8%	2,292	0.5%
Others	4,048	1.8%	10,259	3.8%	14,307	2.9%
(Subtotal Other Than "RA")	130,500	57.6%	157,545	58.8%	288,045	58.3%
(Grand Total)	226,421	100.0%	267,932	100.0%	. 494,353	100.0%

Note: Tourist Arrivals by Airline in 1990 and 1991, Nepal Tourism Statistics 1991

Table 18.9 Estimation of Expense Consumed (Excluding Domestic Airfare) in Nepal per Foreign Visitors

- (1) Estimation of Total Expense Consumed by Foreign Visitors by Air including Indian in 1992
- (1-1) Estimation of Expense Consumed in Nepal per Foreign Visitor

Year	Average Income per	Average Income per Visitors		
	(US\$)	(Rs.)		
1987	318.5			
1988	327.5			
1989	347.5			
1990	326.5			
1991	292.2			
Average of 5 Years	322.4	15,800		

Note: 1) Refer to Table 2.5.7. (Nepal Tourism Statistics 1991)

- 2) The above values of the average income per visitor in the Tourism Statistics are those which exclude the income from Indian tourists. In this economic analysis, however, the estimated average value above is assumed to be applied also for Indian tourists, due to limitation of data availability.
- 3) The exchange rate is assumed to be Rs. 49.0/US\$.

Assumption of Expense Consumed	(a)	USS	320
in Nepal per Foreign Visitors by Air	Ĺ	Rs.	15,680

- (1-2) Number of Foreign Visitor by Air in 1992 (b) 300,000 (Refer to Table 2.5.1.)
- (1-3) Estimation of Total Expense Consumed in Nepal by Foreign Visitors Including Indian

	(US\$ 1,000)
$(c) = (a) \times (b)$	96,000

- (2) Estimation of Total Amount of Domestic Airfare Paid by Foreign Visitors Including Indian
- (2-1) Weighted Average Domestic Airfare for Foreigners

Refer to "Table 19.10 in Appendix".

	Rs.	2863
(d)	US\$	58

(Assumed exchange rate = Rs. 49/USS)

Table 18.9 Estimation of Expense Consumed (Excluding Domestic Airfare) in Nepal per Foreign Visitors (Continued)

(2-2)	Number of Foreign Domestic Passengers		
	1) Number of Total Domestic Passengers in (Refer to Table 3.5.1.)	in 1992 292,000	
	 Estimated Share Ratio of Foreigners (In to Total Domestic Passengers (Refer to "Table 19.1 in Appendix".) 	ncluding Indian) 25%	
	3) Estimated Number of Foreign Domestic Passengers Including Indian	(e) 73,000	
(2-3)	Estimation of Total Amount of Domestic A	Airfare Paid by Foreign Visitors Including	ng Indian
		(USS 1,000) (f) = (d) x (e) 4,230	
(3)	Estimation of Expense Consumed (Excluin Nepal by Foreign Visitors	uding Amount of Domestic Airfare)	
		(USS 1,000) (g) = (c) - (f) 91,770	
(4)	Estimation of Expense Consumed Excluding in Nepal per Foreign Visitors	ng Amount of Domestic Airfare	
(4-1)	Number of Foreign Visitor by Air in 1992	(b) 300,000	
(4-2)	Estimation of Expense Consumed Excluding	ng Domestic Airfare in Nepal per Foreig	n Visitor
		(US\$) (g) x 1000 / (b) 306 Rs. 14,994	

for Foreigners (Including Indian) from/to Kathmandu (one way) Estimation of Weighted Average Domestic Airfare Table 18.10

Share Ratio of Indian & Foreigner	(ex. Indian) in Domestic Psg.	I. : 9% (35%)	F. ex I.: 17% (65%)	L+F : 26% (100%)
		I, + F.	100.0%	100.0%
()		Indian Foreigners	65.0%	100.0%
an) and (Foreigners	f Airfare	Indian	35.0%	20.0%
Assumption on Share Ratio of (Indian) and (Foreigners)	for Domestic Passengers in Terms of Airfare		For Routes Other Than "Mountain	For "Mountain"

Route	Route (Fromho Kathmandu, KTM) Number of Passengers in 1992	Number of Passenger	rs in 1992	Г	Unit Airfare per Passenger (One Way)	ssenger (One Way		Weighted Amount (Rs.)	(Rs.)	
		•	(Share)	(Share	For	For	(Assumed Rate)	For	For	. + F.
				Ex. Others)	Indian	Foreigners	(Rs. 49.0 /US\$)	Indian	Foreigners	
					(Rs.)	(CSS)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
BWA	Bhairahawa	3,227	1.2%	1.2%	1,100	72	3,528	5	28	33
BHR	Bharatpur	16,391	6.2%	6.2%	620	20	2,450	13	66	112
BIR	Biramagar	49,651	18.8%	18:9%	1,400	77	3,773	93	464	557
МП	Jumla	1,508	0.6%	0.6%	2,500	127	6,223	'	24	29
LUA	Lukla	27,209	10.3%	10.4%	1,130	83	4,067	41	275	316
	Mountain	35,982	13.7%	13.7%		66	4,851	0	965	999
PKR	Pokhara	67,298	25.5%	25.6%	066	61	2,989	88	497	586
RUM	Rumjatar	5,893	2.2%	2.2%	870	. 55	2,695	7	39	46
SIF	Simra	12,044	4.6%	4.6%	470	44	2,156	∞	. 2	72
Ĭ	Tumlingtar	6,834	2.6%	2.6%	1,200	44	2,156		36	47
JKR R	Janakpur	4,182	1.6%	1.6%	820	55	2,695	ئ	28	33
ВНР	Bhojpur	3,688	1.4%	1.4%	1,120	77	3,773	٠	34	36
PPL	Phapul	4,551	1.7%	1.7%	1,070	77	3,773	•	42	84
MEY	Meghauli	3,565	1.4%	1.4%	620	72	3,528	ന	32	35
RCH	Ramechhap	5,414	2.1%	2.1%	620	39	116,1	\$	26	31
Z	Lamidanda	3,870	1.5%	1.5%	066	99	3,234	5	32	37
КEР	Nepalgunj	9,180	3.5%	3.5%	2,000	66	4,851	25	110	135
디디	Dhangadhi	1,596	0.6%	0.6%	2,810	149	7,301	9	58	34
H M	Rukumkot (Chaurajhari)	462	0.2%	0.2%	1,870	116	5,684	,4	7	00
	Others	984	0.3%							,
	Total	263,529	100.0%							
	Total Excluding Others	262,545		100:0%				333	2,530	2.863

Note: 1) Numbers of passengers by route are referred to Table 3.5.11.

2) Out of routes in table 3.5.11, those without airfare data are excluded for calculation of weighted average domestic airfare for foreigners.

³⁾ Share ratio of Indian and Foreigners to total domestic passengers is assumed to be fixed for each route except "Mountain".

⁴⁾ Airfare as of Winter Schedule Oct. '93 - Feb. '94.

⁵⁾ As for the routes in which multiple airtines operate, airfares are based on those of Royal Nepal Airtines.

⁶⁾ In the domestic passenger airfare, tariff system is classified into two categories; "Nepalese and Indian" and "Foreigners excluding Indian".

Table 18.11 Estimation of Unit Landing Charge and Unit Air Navigation Facility Charge for Representative Aircraft

Category	Representative	Aircraft	Estimated Uni	t Charge per A	ircraft (US\$)	Total in Rs.
	Aircraft	Weight	Landing	Navigation	Total	(Assumed Rate:
		(Kg)			<u> </u>	Rs. 49.0/US\$)
					e e	• •
J	B747-400	394,600	1,997.22	203.65	2,200.87	107,843
L	MD11	273,300	1,305.81	203.65	1,509.46	73,964
M	B767-300	142,900	562.53	203.65	766.18	37,543
N	B757-200	99,790	316.97	203.65	520.62	25,510
S	B737-200	49,400	92,36	50.90	143.26	7,020

Category	Representative	Aircraft	Estimated Uni	t Charge per A	ircraft (Rs.)	Total in Rs.
(Class)	Aircraft	Weight (Kg)	Landing	Navigation	Total	
B757	B757-200	99,790	5,487.08	0	5,487	5,48
HS748	HS748	21,660	599.76	0	600	600
DHC6	DHC6-300	5,660	101.88	. 0	102	102

Note: Study Team's Estimates

Table 18.12

Estimation of Benefit Due to Accommodation of Overflowing Foreign Airline Aircraft

Aircraft	Number of Ov	erflowing	Share Portion	Unit Charge	Estimated Ber	nefit
Category	International A	Aircraft	of Foreign	of Aircraft	(Rs. thousand)
	Movements		Airline	Landing &		
		1.	Aircraft	Navigation		
	2000	2005	60%	(Rs.)	2000	2005
•	(a)	(b)	(c)	(d)	(a)x(c)x(d)/2	(b)x(c)x(d)/2
J	. 0	520		107,843	0	16,824
L	110	140		73,964	2,441	3,106
M	92	372		37,543	1,036	4,190
N	147	457		25,510	1,125	3,497
S	51	-889		7,020	107	-1,872
Total	400	600			4,709	25,745

Note:

- 1) The number of overflowing international aircraft movements by aircraft category is referred to Table 19.2.1.
- 2) The share portion of foreign airline aircraft movements for total aircraft movements (60%) is referred to Table 3.5.9, and is assumed to be applied for each of aircraft category.
- 3) The unit air landing/navigation charge by aircraft category is referred to Table 19.11 in Appendix.

Table 18.13 Estimation of Operation and Maintenance Costs for "With Project" Case (Financial and Economic Prices)

			·	at and th		•			(Rs. thousand)
	Year	(1) Financial Pric	ce	····					(2) Eco. Price
		(A)	(B)				(C)	Total Costs	Total Costs
	•	O/M Costs for	Personne	l Costs			Additional	(1993 Price)	(1993 Price)
			Number	of Passen	ers	Personnel Costs	O/M Costs		
		Excluding	İnt.	Dom.	Total	(Rs. 10.0 per			
		Personnel Costs	(1,000 pc	ersons)		Passenger)			
		(a)	,			(b)	(c)	(d)	(g)
			ŀ					(a)+(b)+(c)	(d)x0.88
	1993	44,900						· · · · · · · · · · · · · · · · · · ·	
	1994	44,900							
	1995	44,900							
	1996	44,900							
	1997	44,900							
	1998	44,900							
	1999	44,900							
1	2000	44,900	1,250	370	1,620	16,200	82,470	143,570	126,342
2	2001	44,900				16,930	82,470	144,300	126,984
3	2002	44,900				17,700	82,470	145,070	127,662
4	2003	44,900	1,430	420	1,850	18,500	82,470	145,870	128,366
5	2004	44,900				19,330	82,470	146,700	129,096
6	2005	44,900	1,570	450	2,020	20,200	82,470	147,570	129,862
7	2006	44,900	•		2,020	20,200	82,470	147,570	129,862
8	2007	44,900			2,020	20,200	82,470	147,570	129,862
9	2008	44,900			2,020	20,200	82,470	147,570	129,862
10	2009	44,900	1		2,020	20,200	82,470	147,570	129,862
11	2010	44,900			2,020	20,200	82,470	147,570	129,862
12	2011	44,900	•		2,020	20,200	82,470	147,570	129,862
13	2012	44,900			2,020	20,200	82,470	147,570	129,862
14	2013	44,900	-		2,020	20,200	82,470	147,570	129,862
15	2014	44,900			2,020	20,200	82,470	147,570	129,862
16	2015	44,900			2,020	20,200	82,470	147,570	129,862
17	2016	44,900			2,020	20,200	82,470	147,570	129,862
18	2017	44,900			2,020	20,200	82,470	147,570	129,862
19	2018	44,900			2,020	20,200	82,470	147,570	129,862
20	2019	44,900			2,020	20,200	82,470	147,570	129,862
21	2020	44,900			2,020		82,470	147,570	129,862
22	2021	44,900			2,020	20,200	82,470	147,570	129,862
23	2022	44,900	ļ		2,020		82,470	147,570	129,862
24	2023	44,900			2,020	20,200	82,470	147,570	129,862
25	2024	44,900			2,020	20,200	82,470	147,570	129,862

APPENDIX TO

CHAPTER 19

Appendix - 19 Estimation of Revenue etc.

Table 19.1 Estimation of Revenue of Aircraft Landing and Air Navigation Facility Charges

(a)	International						
	Category	J	L	М	N	S	Total
(1)	Unit Charge (Rs.)	107,843	73,964	37,543	25,510	7,020	
	(Landing +						
	Navigation)						
(2)	Aircraft Movement						
	(Without Project)						
	1999	0	1,420	928	2,403	5,049	9,800
	(With Project)						
	2000	0	1,530	1,020	2,550	5,100	10,200
	2003	0	1,710	1,426	3,136	5,130	11,402
	2005	520	1,560	1,300	2,860	4,160	10,400
	(2010)	(1,180)	(1,770)	(1,770)	(3,540)	(3,540)	(11,800)
(3)	Estimated Revenue of A	ircraft Landin	g and Navigati	on Charges (R	ls. 1,000)		
	(Without Project)						
	1999	0	52,514	17,420	30,650	17,722	118,306
	(With Project)						
	2000	0	56,582	19,147	32,525	17,901	126,155
	2003	0	63,239	26,768	40,000	18,006	148,013
	2005	28,039	57,692	24,403	36,479	14,602	161,215
	(2010)	(63,627)	(65,458)	(33,226)	(45,153)	(12,425)	(219,889)

(b)	Domestic					
	Class	B757	HS748	DHC6	Total	
(1)	Unit Charge (Rs.)	5,487	600	102		
	(Landing +					
	Navigation)					
(2)	Aircraft Movement	•				
	(Without Project)					
	1992	146	2,694	11,360	14,200	
	(With Project)					
	2000	170	4,100	12,830	17,100	
	2003	340	5,540	10,920	16,800	
'	2005	510	5,920	10,480	16,910	
	(2010)	(880)	(7,880)	(8,750)	(17,510)	
(3)	Estimated Revenue of A	ircraft Landin	g and Navigat	ion Charges (F	Rs. 1,000)	
	(Without Project)					
	1992	401	808	579	1,788	
	(With Project)					
ĺ.	2000	466	1,230	654	2,350	
	2003	933	1,662	557	3,152	
	2005	1,399	1,776	534	3,709	
<u></u>	(2010)	(2,414)	(2,364)	(446)	(5,224)	

Note: 1) Revenue = (Unit Charge) x (Aircraft Movement) x 0.5

²⁾ Revenues for the short-term modernization plan are those in 2000, 2003 and 2005. Revenues in 2010 are those for the long-term modernization plan.

³⁾ Numbers of international aircraft movements by aircraft category in 1999 is estimated by interpolation between those in 1995 and those in 2000.

⁴⁾ Total number of domestic aircraft movements in 1992 is referred to Table 19.2.1, and numbers of aircraft movements by category in 1992 are estimated based on the composition rate in those in 1995.

Table 19.2 **Estimation of Revenue of Passenger Service Charge** (Passengers Airport Departure Tax)

(a) International			
Year	Assumed	Estimated	Estimated
	Weighted Average	Number of	Revenue
	Departure Tax	Passengers	
	Per Passenger		
	(Rs. 600)	(1,000)	(Rs. 1,000)
(Without Project)			
1999		1,180	354,000
(With Project)			
2000		1,250	375,000
2003		1,430	429,000
2005		1,570	471,000
(2010)		(1,940)	(582,000)

(b) Domestic			
Year	Assumed	Estimated	Estimated
	Departure Tax	Number of	Revenue
	Per Passenger	Passengers	
	(Rs. 50)	(1,000)	(Rs. 1,000)
(Without Project)			
1992		292	7,300
(With Project)			
2000		370	9,250
2003		420	10,500
2005		450	11,250
(2010)		(550)	(13,750)

- Note: 1) Revenue = (Departure Tax) x (Number of Passengers) x 0.5
 - 2) Revenues for the short-term modernization plan are those in 2000, 2003 and 2005. Revenues in 2010 are those for the long-term modernization plan.
 - 3) Assumed Unit Departure Tax per Passenger:

For International: Refer to Table 19.7 in Appendix.

For Domestic: Refer to Section 19:3.4.

(For Revenue Increased in Case Burdened Only to "Airport Tax" in 2000) Examination of "Airport Tax" Tariff Raising **Table 19.3**

(1) Case-1	"Airport Tax" F	"Airport Tax" Related to International and Domestic Passengers	tional and Dome	estic Passengers			
	Number of	Base Level		Revenue Level		Revenue Level	
	Passenger	٠		+50%		+130%	
	in 2000	Tariff	Revenue	Tariff	Revenue	Tariff	Revenuc
	(thousand			Required		Required	
	persons)	(Rs.)	(Rs. million)	(Rs.)	(Rs. million)	(Rs.)	(Rs. million)
	(a)	(4)	(0)	(p)	(9)	(J)	(g)
ï			(a)x(b)x0.5	(b)×1.714	(a)x(d)x(5)	(b)x2.857	(a)x(f)x0.5
Int.	1,250	009	375	1,029	643	1,715	1,072
Dom.	370	50	6	98	16	143	26
Total	1,620		384		629		1,098
			Ê		8		9
(Incremental		÷			(t) - (t)		(h) - (h)
Revenue)					275		714

(2) Case-2	"Airport Tax" I	"Airport Tax" Related Only to International Passengers	nternational Pas	sengers			
	Number of	Base Level		Revenue Level		Revenue Level	
	Passenger			+50%		+130%	
	in 2000	Tariff	Revenue	Tariff	Revenue	Tariff	Revenue
	(thousand			Required		Required	
	persons)	(Rs.)	(Rs. million)	(Rs.)	(Rs. million)	(Rs.)	(Rs. million)
	(a)	(p)	(0)	(p)	(9)	(£)	(g)
			(a)x(b)x0.5	(b)x1.732	(a)x(d)x0.5	(b)x2.904	(a)x(f)x0.5
Int.	1,250	009	375	1,040	650		
(Incremental					(c) - (e)		(a) - (g)
Revenue)					275		714

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	900	3001	ç	900		_		~	4	v.	9	1	90	6	10	=	12	13	7	15	16	1
		ı	1		444	2000	2001	2002 2	2003	2002	2005	2006 20	2007 20	2008 20	2009 20	2010 2011		2012 20	2013 20	2014 20		2016
(i) From & Loss																					l	
Revenue (incremental)						46	73	102	132	163	196	961	. 25	196	ž	90,	30.	ă	ķ	701	Š	è
O/M Costs (Incremental)						8	63	80	2	S			6	; a	? ?	} ;			2 3	2	9	3
(Gross Profit)						(11)	(85)	;		? {											5	6
Intrance								<u> </u>	(6)	<u> </u>	_	_		_			(105)	(105)	(105)	(105)	(105)	(305)
TO MIT						€.	9/	9/	9/	92	76	92	7,	74	72	70	29	65		_	26	Ż
(Proin Post-Interest)						(116)	<u>(</u>	(62)	-(33)	Ó	(53)					(36)	(38)		(4)	(44)	(40)	(5)
Depreciation						591	291	167	167	291	. 162	291	291	291	20.				, 00	5 6	3 6	į
(Profit Post-Depreciation)						-(407)	-(381)	(353)				,						`				3
(2) Cash Flow									Į				:	Т		(((()	(707)	(057)	(247)	(245)	(242)	(S)
(2-1) Inflow	9	(688) (0)	6	(3) (4,901) (1.	924)	(1.359)	(73)	(202)	(132)	(163)	706	, , ,901)										
Revenue (Incremental)						46	£ 5.] [133					۔ :	•	ت						(36)
OBO	<	326	<	94.0	-	? ;	2 :	70.	70	601	<u> </u>	<u>\$</u>	<u>£</u>		961	<u>8</u>	961	<u>\$</u>	961	<u>8</u>	. 961	196
	3 :	000	>	50A.	<u>~</u>	1,238	0	0	c	c	=	c	0	0	c	0	c	c	0	0	0	٥
LOST (L.D.C.P.)	Þ	m	m	43 6	62	75	0	0	0	Q	0	0	0	0	0		0	0	0	0	0	0
(2-2) Outflow	6	(339)	6	(3) (4 (001) (1	024)	(00)			(39)													
Truestment	5 5		·	0000	<u> </u>	(225)	(201)	- €	(201)	_			(378)	000 (600)	3 3 8	(927)	(409) (4	(407) (4	(404)	(402)	(386)	(397)
TO THE OWNER OF THE OWNER	>.	250	>	3,538	1,86	1,238	0	0	0	0	0	0	0	0	0	534	Ģ	0	0			
O/M Costs (incremental)						83	83	80	86	8	5	2	2	91	16	16	16		. 16	, 5	, 6	, <u>a</u>
Loan Kepayment	0	0	0	0	0	0	0	0	0	0	0	11	Ξ	143	10				246	246	376	. ,
Loan Repayment (I.D.C.P.)	0	0	0	0	0	0	0	0	0	0	0		0						, i	· ·	} 4	} '
Interest Payment	¢	m	r	43	62	74	74	74	74	7,	74	47	74	72	70	, %	, v	, ,	, 5	ò	, ,	٠ (
Interest Pay. (I.D.C.P.)	0	0	0	0	0	-	7	~	~	8	7	7	7	. 2	· ~	3 4	3 ~	3 ~	3 ~	s -	-	? -
(2) Trops:: Outs.	•	•	,																:	ı	İ	•
world - world (c-z)	-	0	0	0	0	4	ફ	62	-33	έ	8	81		-113	. 175	127-	-214 -:	-211	-208	-206	-203	-201
(2-4) Surplus/Deficit	0	0	Э	٥	0	4	06-	-62	-33	ů	59	81	30	-113	. 271-	157-	-214	-211	-208	-206	-203	-201
(2.5) Accumulated	0	0	0	0	9	14-	-131	.193	-226	-228	-166	-181	162	-275	-451 -1;	-1,202 -1,415	15 -1,627		-1,835 -2,	-2,041 -2,	-2,245 -2	-2,446

(5) Loan Salance	1995	1995 1996 1997 1998 1999	1997	1998	1999	200	2001	2002	2003		2005	3000	2000	١.		l	١.		1	1	1	
Carried Over		-	225	386	3			1			200	230	(202)	- [- 1	2011	2012 20	2013 20	2014 20	2015 20	2016
	>	•	220	330 473	1 1 1	0,100	5,5	393	7,393		7,393	7.393	7.382	7.37	7 228						ı	4
Drawing	0	336	0	3.958 1.861	1.861	1 238	_	_	•													ž.
	•						•	>	>	>	>	>	>	5	0	0	0	0	C	C	C	c
Repayment	0	0	0	Ο.		0	0	0	0	0	0	Ξ	-	143	200	300	346	376				,
Ending Balance	0	336	336	4,294	6,155	7,393	7,393	7.393	7.393	7 391	7 303	7 382	7 371	7 330	3 8	26.	D					6
Interest 1.0%	0	"	m	43	8	74	74	7.	7.4	74	72			077',	C 20,		1000	0,283	,c 460,0	5,795	5,547	5,301
(4) Loan Balance (Loan for Interest During Construction Period (I.D.C.P.)	During Const.	ruction !	Period (I.	D.C.P.)	-									4		8	8	1	1	- 1	П	ន
Carried Over	0	0	່ຕ	Ŷ	64	112	187	187	187	187	187	5	8	104	201	9	į	•		ļ	ļ	
Drawing	0	m	'n	43	62	75	0	0	c	·		ì	ò	9	9 9	101	0.4	401	797	156	150	1
Repayment	0	0	0	0	0	0	C	· · c	· c	• •	> <	> c	> <	> (> •		.	.	0	0	0	0
Ending Balance	0	m	9	64	112	£	. 22	. Ē	, <u>s</u>	, <u>r</u>	5	5	200	4 7	4 5	0	٥	φ		v	φ	9
Interest 1.0%	c	c	· c	· c	!	} -	; '	į	è	6	/01	/01	8	28	181	175	169	162	156	150	1.	137
	,	,	,	, 	}	-	7	7	7	7	7	7	7	۲	2	۲	°	·	·	_		•

		ar .	(1) Profit & Loss	Kevenue (Incremental)	O/M Costs (Incremental)	(Gross Profit)	Interest	(Profit Post-Interest)	Depreciation	(Profit Post-Depreciation)	(2) Cash Flow	(2-1) Inflow	Revenue (Incremental)	Loan	Loan (LD.C.P.)	(2-2) Outflow	Investment	O/M Costs (Incremental)	Loan Repayment	Loan Repay (I.D.C.P.)	Interest Payment	Interest Pay. (LD.C.P.)	(2-3) Inflow - Outflow	(2.4) Surphis
		Total Year	(1)								(5)			7,393	<u>×</u>		12,920		7,393	187				
llson	40	Z039 T	3	£	16	(501)	0	(301)	291	.(186)		(196)	961	÷	0	-(133)	-275	6	49	٣	0	0	329	226
Unit: Rs. million	39	2038 20	20	<u>£</u>	6	(105)	C	(105)	162	. (186)		(361)	961	0	0	· (661)	0	91	ă	S	0	0	ώ	ŗ
Ę.	38	2037 20		8	16	(105)	7	(103)	162)- (881)-		(961)	961	С	0	(332)	0	16	233	9	7	0	-136	361
	37	2036 2	Š	<u>\$</u>	6	(105)	4	(101)	291	(061)-		(1961)	961	0	0	(336)	0	16	235	9	4	0	-140	071
	36	2035 2		<u>\$</u>	16	(105)	9	(66)	291	-(192)		(196)	961	С	0	(355)	0	6	252	9	ø	0	.159	1,60
	35	2034 2	2	<u> </u>	. 61	(105)	6	(96)	291	(361)-		(196)	196	0	0	(352)	0	16	246	\$	0	0	-156	75.
	¥	2033	Ş	8	6	(105)	=	(96)	291	-(191)-		(1%)	961	0	0	(354)	0	91	246	ø	11	0	-158	3
(p	33	2032	Š	ž	16	(105)	4	(6)	291	-(200)		(196)	961	0	0	(357)	0	16	246	9	7	0	-161	121
(Continued)	32	2031	ğ	3	16	(105)	16	(68)	291	-(202)		(196)	961	c	0	(359)	0	16	246	9	16	٥	.163	5
•	31	2030	70.	9	16	(105)	20	(88)	291.	-(202)		(196)	961	0	0	(268)	534	6	246	ø	61	-	-701	ç
Case)	30	2029		<u>\$</u>	16	(105)	22	<u>\$</u>	291	-(207)		(961)	196	0	0	(364)	0	16	246	Ø	21	-	-168	5
(Base Ca	53	2028	Ş	2	16	(105)	24	(82)	291	-(209)		(1961)	196	0	0	(366)	0	16	246	9	23	1	-170	Ē
•	28	2027	ě	<u>£</u>	16	(105)	23	(66)	291	-(212)		(196)	961	c	0	(369)	o :	6	246	φ	8	-	-174	į
ojec t	. 12	2026	Š	?	2	(105)	58	E	291	-(214)		(186)	196	0	0	(372)	0	16	246	9	78	-	-176	7.
f the Pr	26	2025	Ì	<u>\$</u>	91	(105)	32	(74)	291	-(217)		(961)	196	0	O	(375)	0	91	246	•	31		-179	901
Financial Cash Flow of the Project	25	2024	3	?	6	(105)	ጸ	(1)	291	-(219)		(196)	81	0	0	(377)	0	91	246	9	33		181	
ial Cash	8	2023	2	<u>£</u>	91	(105)	37	(89)	291	-(223)		(196)	961	С	0	(380)	0	91	246	9	36	-	281-	
Financi	23	2022		8	16	(105)	39	99	291	-(225)		(196)	196	0	0	(382)	٥		246	9	38	-	-186	104
	22	2021			16	(105)	42	(63)	291	-(228)		(196)	196	0	0	(382)	0		246	9	41	-	-189	180
19.4	21	2020			16	(105)	4	((9)	291	(230)		(196)	961	9	0	(5,120)	4,733		246	9	5 43	_	4,924	, A 00.0
Table 19.4	9 20	2019			1 91	(105)	9 47	(58)) -(233)		(196)	961 9	0	٠. ٥	(380)	0		6 246	9	8 46		19	3
	61	2018	Ş	<u> </u>	91	(105)	49	(96)	291	-(235)		(196)	196			(365)	-		246 246	_	84		-199 -196	201.

(3) Loan Balance	Carried Over	Drawing	Repayment	Ending Balance	Interest 1.0%	(4) Loan Balance (LD.C.P.)	Carried Over	Drawing	Repayment	Ending Balance	Interest 1.0%
9		7,393	7,393			(4)		187	187		
2039	49	0	49	0	0		m	0	'n	0	Ģ
2038	153	0	5	49	0		7	٥	Ŋ	m	0
2037	386	0	233	153	2		13	0	9	7	0
. 2036	621	0	235	386	4		19	0	9	13	0
2035 2036	873	0	252	621	9		56	0	9	19	0
2034	1,119	0	246	873	6		32	0	9	92	0
2033	1,365	0	246	1,119	11		38	0	9	32	0
2032	1,611	0	246	1,365	14		4	0	9	38	0
2031	1,857	0	246	1,611	16		20	0	9	4	0
2030	2,103	0	246	1,857	19		57	0	9	50	1
2029	2,349	0	246	2,103	21		63	٥	9	57	1
2028	2,595	0	246	2,349	23		8	0	9	63	. 1
2027	2,841	0	3 246	2,595	36		75	0		69	1
2026	4	0		7 2,841	1 28		8	0	9	2 75	1
2025	9 3,333	0	6 246	3 3,087	3 31		8 8		9	88 82	1
2024	5 3,579	0	6 246	9 3,333	6 33			0	9	%	1
2023	1 3,825	0	6 246	5 3,579	36		100	0	9		1
1	7	0	46 246	7.1 3,825	41 38		113 106	0	9	106 100	1
7		0	46 246	17 4,071	43 41		119 11	0	9	113 10	1
2020		0 0		53 4,317	46			0		119 11	1
	7	0 0	16 246		48 4		31 125	٥	9	125 11	. 1
~	5,055	0		55 4,809			37 131	0	9		1
2017	5,30	0	246	5,055	2		137			131	

			•		Circle	() () () () () () () () () () () () () (<u></u>		<u></u>	,	iation)			· (JEI)						(jedua	ì	í			(F)			itus
				(1) Profit & Loss	Revenue (Incremental)	C/M Costs (Incremental)	(Gross Profit)	Interest	(Profit Post-Interest)	Depreciation	(Profit Post-Depreciation)	(2) Cash Flow	(2-1) Inflow	Revenue (Incremental)	1,0an	Loan (LD.C.P.)		(2-2) Outflow	Investment	O/M Costs (Incremental)	Loan Repayment	Carol Dynamic Total	Interest Daymont	more reserve	Interest Pay. (I.D.C.P.)	(2-3) Inflow - Outflow	(2-4) Surplus	(2-5) Accumulated Surplus
	;		Year	(E)								(2) Ca	•		Ę,	2		Ŭ									Ü	0
			Total												7,393	187			12,920		7.393	18	2					
	million.	64	2039		546	16	(455)	ì	(455)	291	(164)		(546)	546	0	0		-(133)	-275	6	49		· c	•	5	629	629	2,743
	Unit: Rs. million	39	2038		546	16	(455)	0	(455)	291	(164)		(546)	546	c	٥		(199)	0	6	2 2	4	· c	• •	Þ	346	346	2,065
	_	38	2037		546	6	(455)	7	(453)	291	(162)		(546)	246	С	0		(332)	0	6	233	v		1 <	٠.	214	214	1,718
€ď.		37	2036		546	6	(455)	4	(451)	82	(160)		(546)	546	0	0		(336)	0	16	235	v	4	٠ ،	٠.	210	210	1,504
(Continued)		38	2035		546	6	(455)	9	(446)	291	(158)		(546)	546	0	o		(355)	0	16	252	vo	,0	•	>	161	191	1,294
⊌		35	2034		2 46	16	(455)	• •	(446)	291	(155)		(546)	546	С	٥	,	(352)	0	16	246	9	0	. <	>	<u>\$</u>	፯	1,104
		%	2033		546	2	(455)	Ξ	(444)	291	(153)		(546)	546	c	0		(354)	0	6	246	9	=	•	>	192	192	910
0%)		33	2032		546	16	(455)	7	<u>4</u>	291	(150)		(546)	546	С	0		(357)	0	-6	246	9	14	•	>	188	881	718
ease +5		32	2031 2		246	16	(455)	16	(438)	291	(148)		(546)	546	9	0		(329)	0	16	246	9	16	c	>	186	186	530
ue Incr		31	2030 2		546	91	(455)	70	(436)	291	(145)		(246)	546	0	0		(897)	534	91	246	9	19	-	•	-351	-351	344
g Reven		င္က	2029 2		246	16	(455)	23	(434)	162	(143)			546	0	0		(364)	0	ድ	246	9	27	-	-	181	181	694
(Expecting Revenue Increase +50%)		\$	2028 2		5 46	91	(455)	8	(431)	291	(141)			546	C	O		(366)	0	16	246	v	23	-	•	179	179	513
<u>e</u>		82	2027 2		246	16	(455)	23	(428)	291	(137)		_	546		0		(369)	0	16	246	•	%			176	176	334
ಕ		_	2026 2		546	16	(455)		(426)	162	(135)			546	C	=			0	91	246	v	28	_		174	174	158
Financial Cash Flow of the Project		ø	2025 20		246	6	(435) ((423) (291	(132) (2 46	c	0		(375) (0	91	246	ø	31	_	ı	171	17.1	-16
ow of th		v)	2024 2(546	16	(455) ((421) (291	(130)			246	0	0		(377) (0	22	246	9	33	_	,	169	169	-187
ash Fi		•	2023 20		346	91	(455) (37	(418) (291	(127)			546	0	0		(380)	0	16	246	9	36		ı	166	166	-356
ancial (m	2022 20			91	(455) (36			(125)				0	0		(382)		91		9	38	-	ı	<u> </u>	<u>\$</u>	-522
Œ.		C)	2021 20		546	16	(455) (4		(413) ((122)			246	c	0		(385)	_		246	9	4	_		191	161	. 989-
vo .		_	2020 20	;	% 9	16					(120)		_	94	с .	0			4,733			90	43			-4,575	-4,575	. 847
rable 19.		_	-								613			ğ,	0	0		(390) (5.			246	φ	46	~		4,	156 -4,	3,728
ପ ଷ		25	18 2019		ğ						(315)				.	0		(392) (3	0			9	48	-		154	152	3,572 3,7
		_	7 2018						_		(112) (3		٠	., g, .	.	0					246	vo	51	_		151	151	3,418 3,5
			2017	•	•		<u>4</u>		4	• •		,	3,	•			9	9			••						_	3,4

	(3) Loan Balance	Total Control		Drawing	9	Kepayment	Ending Balance	Terrando		(4) Loan Balance (L.D.C.P.)		Carried Over	Describe	9	Repayment	Ending Ralence		Interest
	ପ୍ର			7.393	0000	CKC',				3			5		/81			
	2039	Q	ř	O	, 6	ì	0	-	,		6	1	o		'n	c	• •	>
	2038	۱.,	,	0	Š	ţ	49	c	,		,		0		'n	۲۰,		>
	2037	385	2	0	223	6.7	153	•	,		2	3	0		0	7		>
	2036	3		0	235	1	386	4			10	•	0		D	13		>
	2035	\$;	0	96		621	9			26	i	0		D	19		>
	203	1.139		0	246	2	873	6			33	ì	0	4	•	28	c	>
	2033	1365	1	0	246		1,119	11			80	2	0	4	>	33	•	>
	2032	1.611		0	246		1,305	14			4		0	v	•	38	<	>
,,,,,	2031	1.857		0	246		1,0,1	16			20		0	v	,	4	-	>
0000	2030	2,103	,	0	246		,x,	19			27		0	¥		જ	•	•
0000	2029	2,349		٥	246		2,103	21			63	•	0	v	>	57	-	•
0000	2078	2,595	,	Φ	246	•	4,74	ន			\$	•	٥	9	•	B	-	•
•	7707	2,841		0	246	•	2,0,7	8			7.	•	0	9	•	જ	-	
7000	2070	3,087	•		246					-	82	•	0	9	,	75	_	
	٩Į	۳,			246			33			88	•	•	9	,	82	-	
		3,579		>	246			33			ĸ	•	•	9		88	-	l
200	2077	3,825	•	•		2 570					20	<	>	9	•	\$		
	- 1	4,071	<	>	248	2 935		. 1			3	•	>	9	,	3	-	l
		4317			246						113	•	>	ď	ì	<u>\$</u>	-	
		4.563				4 317		1			119	c	>	9		113	_	
	- 1	4.809									22	<		9		41	-	
		5,055						•			131	•	>	ø		ā		
2017		5,301	•	7	54 6	5.055	1	7			137	<	•	9		131	~	

Table 19.5	Financi	al Cash	Flow o	Financial Cash Flow of the Project	oject	₹	Sxpectin	ig Reve	tue Incr	(Expecting Revenue Increase $+50\%$)	0%)											
																			Un	Unit: Rs. million	llion	
						-	64	~	4	5	9	7	8	6	10	=	12	13	14	15	16	1.1
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 2	2005 2(2006 20	2007 20	2008	2006	2010 2	2011 20	2012 20	2013 20	2014 2	2015 2	2016
(1) Profit & Loss																						
Revenue (Incremental)						321	361	2	449	496	546	546	8	546	546	<u>\$</u>	246	<u>\$</u> 46	<u>\$</u>	546	546	\$ 4 6
O/M Costs (Incremental)						8.	87	83	68	8	16	16	16	16	6	16	16	16	5	9	6	9.
(Gross Profit)						(234)	(274)	(316)	(360)	(407)	_		(455) ((455)	(455)	(455)	(455)	(455)		(455)	(455)	(455)
Interest						75	76	76	9/	9/					72	70			62	59	56	አ
(Profit Post-Interest)						(159)	(198)	(240)	(285)	(331)	(379)	(379)	(379) ((381)		(382)	(388)			(366)	(399)	(401)
Depreciation						591	281	291	291	291	291	291	167	291	162	291.	291	291	291	291	291	291
(Profit Post-Depreciation)						-(132)	-(63)	-(20)	(9)•	(40)	(88)	(88)	(88)	(06)	(65)	§	(26)	(100)	(103)	(105)	(108)	(110)
(2) Cash Flow													[1
(2-1) Inflow	9	(655) (0)		(3) (4,001) (1,924)		(3,633)	(361)	\$ \$	(449)	(496)	(546)	(546)	(546)	(546) ((546)	(546)	(546)	(546)	(546)	(546)	(546)	(546)
Revenue (Incremental)						321	361	<u>\$</u>	449	496	546	546	546	546	546	546	546		546	546	546	546
Loan	С	336	C	3,958 1,861	1,861	1,238	C	0	0	0	0	0	c	0	0	0	c	¢	c	o	0	Ç
Loan (I.D.C.P.)	0	60	r)	43	. 62	75	0	0	0	0	0	0	0	0	D	0	0	0	0	0	0	0
(2-2) Outflow	9	(339)		(3) (4,001) (1,924)		(1,399)	(163)	<u>(\$</u>	(165)	(166)	(991)	(178)	(178)	(308)	(371)	(542)	(409)	(407)	(404)	(402)	(38)	(397)
Investment	0	336		3,958	3,958 1,861	1,238	0	0	0	0					. 0	534	0	· 0	_	0	0	0
O/M Costs (Incremental)						80	₩	88	68	ደ	16	16	16	16	16	16	16	91	16	16	16	91
Loan Repayment	0	0	0	0	0	0	0	0	0	0	0		11	143	205	246	246	246	246	246	246	246
Loan Repayment (I.D.C.P.)	0	0	0	0	0	0	0	0	0	0	0	0	0	7	4	9	9	φ	9	9	9	9
Interest Payment	0	e.	m	43	62	74	74	74	74	4	74	74	74	72	70	89	65	63	8	53	55	23
Interest Pay, (I.D.C.P.)	0	0	0	0	0	~	7	~1	7	7	7	6	7	7	7	2	~	7	7	-		

(3) Loan Balance	salance salance		1995	1996	1997	1996 1997 1998 1999	1999		2001	2002	2003	2004	2005	2006	2007	8002		2010		2012	2013	2014	2015	2016
	Carried Over		0	0	336	336	4,294	6,155	7,393	7,393	7,393	7,393	65	7,393	7.382	7,371	7,228	<u>۾</u>	6,777	6,531	6,285	6:039	۳	5,547
	Drawing		0	336	0	3,958	1,861	1,238	0	0	0	۵	0	0	0	0	0	0	0	0	0	0	0	0
	Repayment		0	0	0	0	0	0	0	٥	0	O	0	11	11	143	205	246	246	246	246	246	246	246
	Ending Balance		Q	336	336	4,294	6,155	7,393	7,393	7,393	7,393	7,393	7,393	7,382	7,371	7,228	7,023	6,777	6,531	6,285	6:039	5,793	5,547	5,301
	Interest	1.0%	0	٣	33	43	. 62	74	74	74	74	74	74	7,4	74	72	70	89	65	63	9	85	55	53
(4) Loan B	(4) Loan Balance (Loan for Interest During Construction Period (I.D.C.P.)	r Interest Du	ing Cons	truction	Period (I	D.C.P.)																		
	Carried Over		0	0	ĸ	νο	49	112	187	187	187	187	187	187	187	186	185	181	175	169	162	156	150	7
	Drawing		٥	ťΩ	'n	43	62	75	0	0	0	0	0	0	0	0	0	0	0	0	Ф	٥	0	0
	Repayment		0	0	0	0	0	0	O	0	0	0	0	0	0	7	4	9	9	9	9	9	9	9
	Ending Balance		0	m	ø	49	112	187	187	187	187	187	187	187	186	185	181	175	169	162	156	150	4	137
	Interest	1.0%	٥	٥	٥	0	٥		7	7	2	2	2	2	2	7	2	7	2	2	2		,	H

2,973 3,119 3,268

2,036 2,404 2,640 2,815 2,414 2,550 2,688 2,829

1,288 1,667

-401

(2-3) Inflow - Outflow

(2-4) Surplus/Deficit (2-5) Accumulated

