

ビルマ連邦社会主義共和国

ラングーン国際空港拡張計画

フィージビリティ調査報告書

付 属 資 料

昭和55年3月

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ビルマ連邦社会主義共和国
ラングーン国際空港拡張計画
フィージビリティ調査報告書

付 属 資 料

昭和 55 年 3 月

国 際 協 力 事 業 団

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付 屬 資 料

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APPENDIX 1A

SCOPE OF WORK

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and financial management. The text notes that without reliable records, it becomes difficult to track expenditures, assess performance, and identify areas for improvement.

2. The second part of the document addresses the challenges associated with data collection and analysis. It highlights that gathering comprehensive data from various sources can be a complex and time-consuming process. However, the benefits of having a robust data set are significant, as it allows for more informed decision-making and the identification of trends and patterns. The document suggests that investing in data management systems and training staff can help overcome these challenges.

3. The third part of the document focuses on the role of technology in modernizing operations. It discusses how digital tools and platforms can streamline processes, reduce errors, and improve efficiency. For example, the use of cloud-based storage and collaboration tools can facilitate better communication and data sharing among team members. The text also mentions the importance of ensuring that any technology adopted is secure and compliant with relevant regulations.

4. The fourth part of the document discusses the need for continuous learning and development. It argues that in a rapidly changing environment, individuals and organizations must stay updated with the latest industry trends and best practices. This can be achieved through regular training, workshops, and conferences. The document encourages a culture of learning where employees are encouraged to share their knowledge and skills with their colleagues.

5. The fifth part of the document concludes by summarizing the key points discussed. It reiterates that effective record-keeping, data management, technology adoption, and continuous learning are all critical components of a successful organization. The document ends with a call to action, urging stakeholders to take the necessary steps to implement these strategies and drive positive change.

SCOPE OF WORK
ON
THE FEASIBILITY STUDY OF
THE RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT
IN
THE SOCIALIST REPUBLIC OF THE UNION OF BURMA

AGREED
BETWEEN
JAPAN INTERNATIONAL COOPERATION AGENCY
AND
MINISTRY OF TRANSPORT AND COMMUNICATION

I. INTRODUCTION

In response to the request of the Government of the Socialist Republic of the Union of Burma, the Government of Japan in accordance with its laws and Regulations has decided to conduct a feasibility study of the Rangoon International Airport Development Project. The Japan International Cooperation Agency (hereinafter referred to as JICA) is the official agency responsible for the implementation of technical cooperation programs of the Government of Japan. It will carry out the study in close cooperation with the authorities concerned of the Government of the Socialist Republic of the Union of Burma.

II. OBJECTIVE OF THE STUDY

The objective of this study is to examine the technical and economic feasibility of the Rangoon International Airport Development Project in Rangoon so as to contribute to optimum planning of the Project.

III. OUTLINE OF THE STUDY

This feasibility study will consist of the following:

- 1) Collection of relevant data
- 2) Study and evaluation on the existing facilities
- 3) Air transport demand forecasts
- 4) Facility requirement analysis
- 5) Airport layout plan
- 6) Facility planning
- 7) Air navigation aids planning
- 8) Construction schedule and cost estimate
- 9) Economic analysis
- 10) Financial analysis
- 11) Social and other aspects

IV. REPORTS

JICA will prepare and submit the following reports in the course of the study. All documents will be in English and with metric system.

- | | | |
|----|--------------------|-----------|
| 1) | Inception Report | 20 copies |
| 2) | Progress Report | 20 copies |
| 3) | Draft Final Report | 30 copies |
| 4) | Final Report | 50 copies |

V. UNDERTAKING OF THE GOVERNMENT OF THE SOCIALIST REPUBLIC OF THE UNION OF BURMA

- 1) To provide the study team with all available data and information necessary for the proper execution of the study.
- 2) To ensure that such documents are allowed to be taken out of the country.
- 3) To exempt from the taxes and duties on the materials, equipments and personal effects of the study team on entry into and departure out of Burma.
- 4) To assign the counterpart officials for the study team.
- 5) To provide suitable office spaces for the team.
- 6) To provide the study team with the necessary means and available equipments for their activities in the country, such as vehicles etc.

VI. TIME SCHEDULE

JICA will conduct the study on the following time schedule.

This time schedule is subject to change according to circumstances.

| | '79 SEPT | OCT | NOV | DEC | '80 JAN | FEB | MAR |
|-----------------------------------|-------------|-------|-----|-----|------------|-----|-----|
| Execution Study | | ————— | | | | | |
| Submission of Inception Report | | ⊙ | | | | | |
| Progress Report | | | ⊙ | | | | |
| Draft Final Report | | | | | ⊙ | | |
| Final Report | | | | | | | ⊙ |

Notes: ————— indicates Home work in Japan

————— indicates Field work in Burma

⊙ indicates the submission of Report

APPENDIX 2A

ECONOMIC AND TRANSPORT DATA

Table 2A-1 ESTIMATES ON POPULATION GROWTH
(1960/61 to 1978/79)

| Year | Total Population (Thousand) | | Annual Growth Rate |
|---------|------------------------------|---------------------------------|--------------------------|
| | Mid Fiscal Year (past) | Mid Fiscal Year (current) | |
| 1960/61 | 22200 | | |
| 1961/62 | 22688 | | 2.20 |
| 1962/63 | 23187 | | 2.20 |
| 1963/64 | 23697 | | 2.20 |
| 1964/65 | 24218 | | 2.20 |
| 1965/66 | 24751 | | 2.20 |
| 1966/67 | 25303 | | 2.23 |
| 1967/68 | 25867 | | 2.23 |
| 1968/69 | 26444 | | 2.23 |
| 1969/70 | 27034 | | 2.23 |
| 1970/71 | 27637 | | 2.23 |
| 1971/72 | 28262 | | 2.26 |
| 1972/73 | 28886 | | 2.21 |
| 1973/74 | 29521 | | 2.20 |
| 1974/75 | 30170 | 29846 | 2.20 |
| 1975/76 | 30834 | 30502 | 2.20 |
| 1976/77 | 31512 | 31173 | 2.20 |
| 1977/78 | 32206 | 31859 | 2.20 |
| 1978/79 | | 32573 | 2.24 |

Source: Report to the Pyithu Hluttaw, 1979/80

Note : Past fiscal year --- October to end of September
Current fiscal year --- April to end of March

Table 2A-2 COMPOSITION OF ESTIMATED ACTIVE LABOUR
FORCE OF WORKERS AND PEASANTS ENGAGED
IN THE VARIOUS SECTORS DURING 1978/79

(In thousand)

| Sector | State Sector | Co-operative and Private Sectors | Total |
|------------------------------|-----------------|--|--------------|
| Agriculture | 66 | 8294 | 8360 |
| Livestock and Fishery | 9 | 162 | 171 |
| Forestry | 85 | 81 | 166 |
| Mining | 66 | 2 | 68 |
| Processing and Manufacturing | 169 | 799 | 968 |
| Power | 15 | | 15 |
| Construction | 127 | 62 | 189 |
| Transport and Communications | 107 | 323 | 430 |
| Social Services | 188 | 74 | 262 |
| Administration | 474 | 24 | 498 |
| Trade | 57 | 1182 | 1239 |
| Workers n.e.s. | | 569 | 569 |
| Total | 1363 | 11572 | 12935 |

Source: ditto

Table 2A-3 GROSS DOMESTIC PRODUCT
(AT 1969/70 CONSTANT
PRODUCER'S PRICES)

| Year | Gross Domestic Product (in lakhs Kyat) |
|---------|---|
| 1961/62 | 77976 |
| 1967/68 | 91999 |
| 1968/69 | 95028 |
| 1969/70 | 99757 |
| 1970/71 | 103881 |
| 1971/72 | 106407 |
| 1972/73 | 105377 |
| 1973/74 | 108117 |
| 1974/75 | 111011 |
| 1975/76 | 115617 |
| 1976/77 | 122653 |
| 1977/78 | 129995 |
| 1978/79 | 138701 |

Source: ditto

Table 2A-4 INTERNAL AND EXTERNAL TRANSPORTATION OF PASSENGERS AND FREIGHT BY MEANS OF STATE-OWNED CONVEYANCES

| Year | Rail | | Road | | Inland Water | | Overseas Coastal | | Internal Flight | | External Flight | | Total | |
|----------------|----------------|---------|----------------|---------|----------------|---------|------------------|---------|-----------------|---------|-----------------|---------|----------------|---------|
| | Pas- senger | Freight | Pas- senger | Freight | Pas- senger | Freight | Pas- senger | Freight | Pas- senger | Freight | Pas- senger | Freight | Pas- senger | Freight |
| 1961/62 | 43078 | 2938 | - | - | 5260 | 1283 | 13 | 527 | 133 | 2.9 | 34 | 0.3 | 48518 | 4751.2 |
| 1967/68 | 55174 | 2790 | 164084 | 2292 | 10979 | 1848 | 21 | 331 | 277 | 6.2 | 20 | 0.3 | 232529 | 7267.5 |
| 1968/69 | 54555 | 2940 | 201613 | 2245 | 10324 | 1802 | 26 | 638 | 313 | 6.5 | 23 | 0.3 | 271160 | 7631.8 |
| 1969/70 | 52266 | 2685 | 241044 | 2116 | 10594 | 1762 | 15 | 721 | 334 | 6.7 | 45 | 0.5 | 308961 | 7291.2 |
| 1970/71 | 53586 | 2819 | 226501 | 2000 | 10716 | 2016 | 18 | 906 | 368 | 7.2 | 40 | 0.8 | 296407 | 7749.0 |
| 1971/72 | 53389 | 2925 | 302291 | 1844 | 9834 | 2162 | 29 | 834 | 399 | 6.5 | 50 | 0.9 | 374513 | 7772.4 |
| 1972/73 | 55060 | 2486 | 207892 | 1568 | 9650 | 1888 | 27 | 671 | 409 | 5.9 | 55 | 1.0 | 284293 | 6619.9 |
| 1973/74 | 48570 | 1494 | 173869 | 1204 | 9140 | 1679 | 23 | 434 | 404 | 3.7 | 54 | 1.1 | 242527 | 4815.8 |
| 1974/75 | 51036 | 1560 | 146682 | 1088 | 9402 | 1698 | 26 | 533 | 371 | 3.5 | 51 | 1.0 | 217828 | 4883.5 |
| 1975/76 | 49055 | 1620 | 150959 | 1124 | 11153 | 1746 | 22 | 469 | 399 | 3.9 | 43 | 0.6 | 224644 | 4963.5 |
| 1976/77 | 32053 | 1675 | 180721 | 1042 | 11961 | 912 | 24 | 516 | 409 | 4.4 | 43 | 0.5 | 236310 | 4149.9 |
| 1977/78 | 34469 | 1831 | 199003 | 1006 | 11691 | 1037 | 22 | 555 | 536 | 5.0 | 46 | 0.4 | 256867 | 4434.4 |
| 1978/79 | 44455 | 1973 | 173312 | 1006 | 12393 | 1061 | 23 | 631 | 685 | 7.1 | 43 | 1.2 | 241711 | 4679.3 |
| (%) 1978/79 | 18.39 | 42.16 | 71.70 | 21.50 | 5.13 | 22.67 | 0.01 | 13.48 | 0.28 | 0.15 | 0.2 | 0.13 | 100.0 | 100.0 |

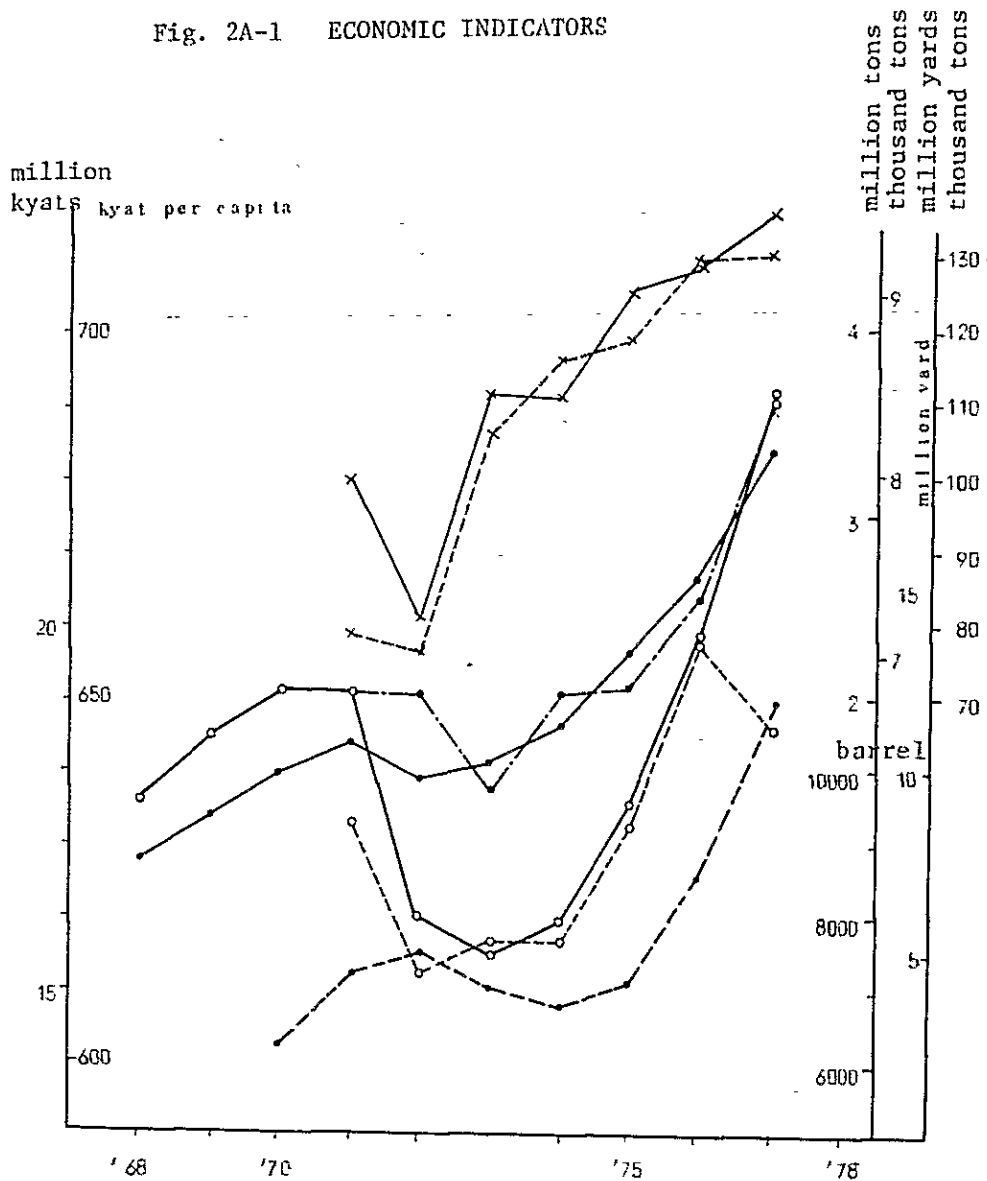
Source: Report to the Pyithu Hluttaw, 1979/80

Table 2A-5 CHANGES IN STATE CURRENT EXPENDITURE

| Sector | 1962/63 | 1976/77 | 1977/78 | 1978/79 |
|------------------------------|---------|---------|---------|---------|
| | % | % | % | % |
| Agriculture | 2.3 | 4.3 | 4.5 | 4.8 |
| Livestock & Fishery | - | 0.6 | 0.9 | 1.2 |
| Forestry | 6.5 | 3.2 | 3.7 | 3.9 |
| Mining | 4.1 | 3.1 | 3.2 | 3.3 |
| Processing and Manufacturing | 7.0 | 30.0 | 30.5 | 31.1 |
| Power | 2.0 | 0.7 | 0.7 | 0.8 |
| Construction | 1.2 | 3.4 | 3.8 | 3.9 |
| Transport & Communications | 7.3 | 5.6 | 5.0 | 5.8 |
| Trade | 44.6 | 26.6 | 26.3 | 23.5 |
| Social Services | 6.2 | 6.8 | 5.9 | 6.2 |
| Financial Institutions | 0.9 | 2.2 | 2.2 | 2.6 |
| Administrative Organizations | 17.9 | 12.8 | 12.1 | 12.1 |
| Others | - | 0.7 | 1.2 | 0.8 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 |
| Million Kyat | (34.1) | (127.8) | (161.8) | (176.0) |

Source: Report to the Pyithu Hluttaw, 1979/80

Fig. 2A-1 ECONOMIC INDICATORS



—●— GDP
—○— GDP per capita

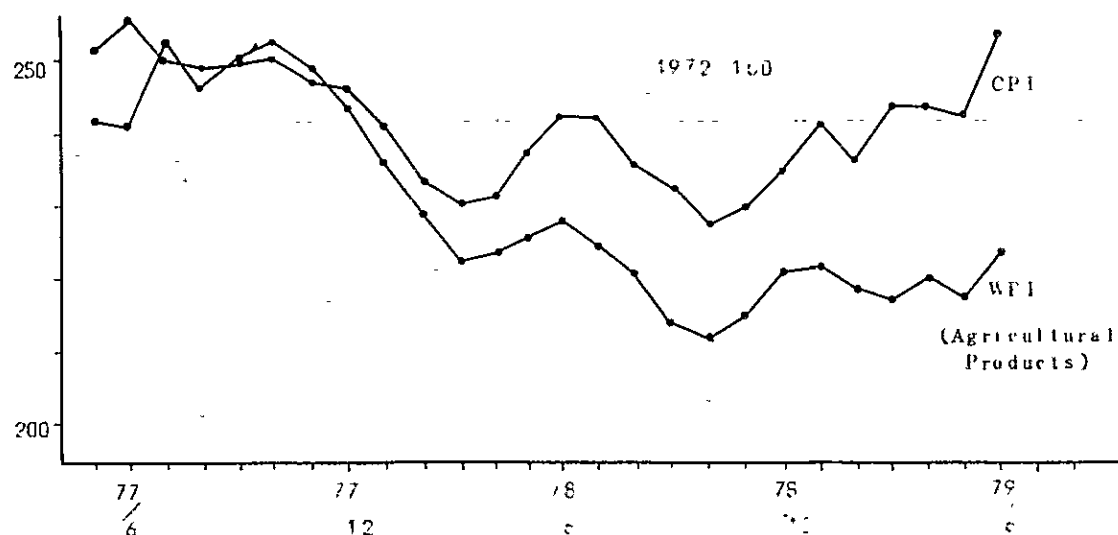
GDP Target/Accomplishment

| | | | |
|---------------------------|-----|------|------|
| —x—x— Rice (unhalted) | '74 | 6.3% | 2.7% |
| —●— Crude Oil | '75 | 6.4 | 4.1 |
| —○— Cotton Fabrics | '76 | 6.9 | 5.9 |
| —○— Cement | '77 | 6.6 | 6.4 |
| —x—x— Chemical Fertilizer | | | |

(The 3rd Four-Year Plan, Target 6.6%)

Source : Report to the Pyithu Hluttaw, 1979/80

Fig. 2A-2 PRICE



Source: SELECTED MONTHLY ECONOMIC INDICATORS MAY, JUNE 1979.

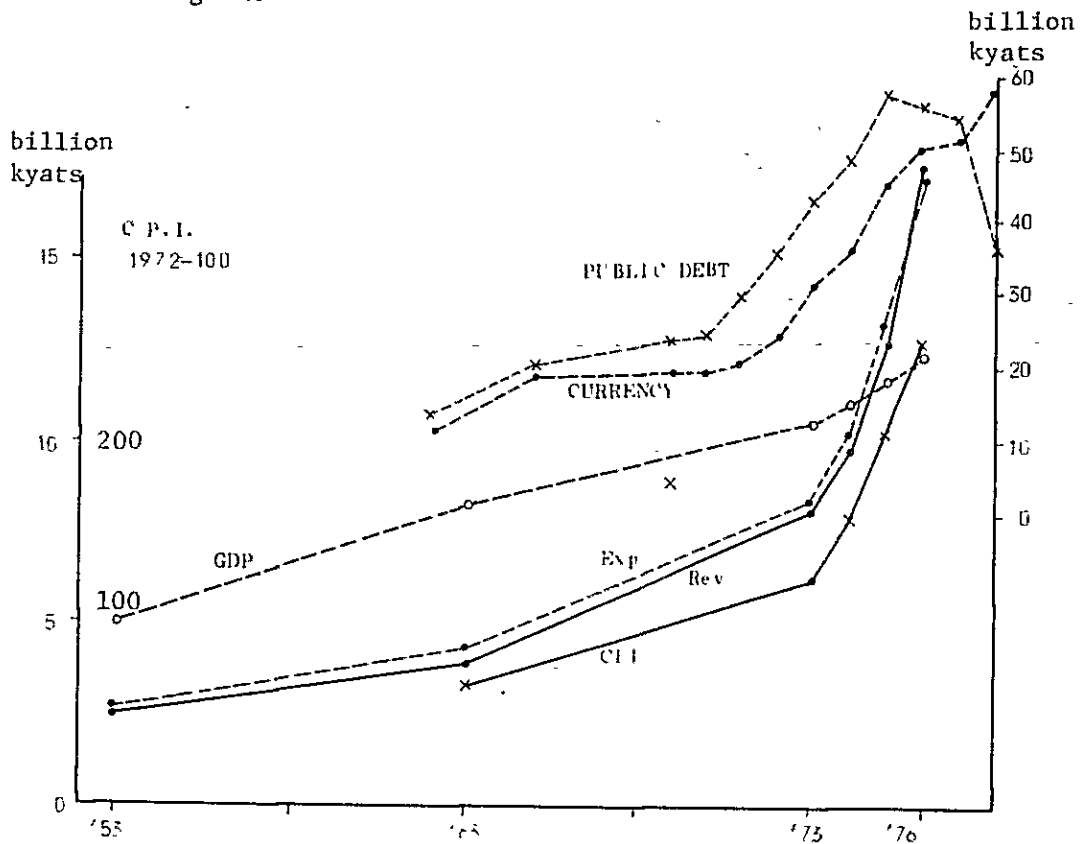
Note Purchase Price of Paddy (Ngasein Group, Ordinary): $\frac{1974/79}{1972/73} = \frac{900}{425} = 2.118$

As of June '79:-

| | K/viss | K/Kg. |
|----------------------|---------------|-------|
| Fresh fish (Ngamyin) | 40.70 (35.28) | 24.97 |
| " (Pazunkyaint) | 16.50 (9.54) | 10.12 |
| Cbicken | 24.20 (23.73) | 14.85 |
| Duck Egg | 6.60 (5.33) | 4.05 |
| Sesamum Oil | 24.21 (15.13) | 14.85 |
| Chillies (short) | 43.21 (10.76) | 26.51 |
| Potatoes (big) | 3.30 (3.02) | 2.02 |
| Tomatoes | 5.00 (1.89) | 3.07 |
| Banana | 2.80 (1.50) | 1.72 |
| Fresh Milk | 6.00 (5.62) | 3.68 |

Figures in () present the lowest price during '77/May - '79/June.

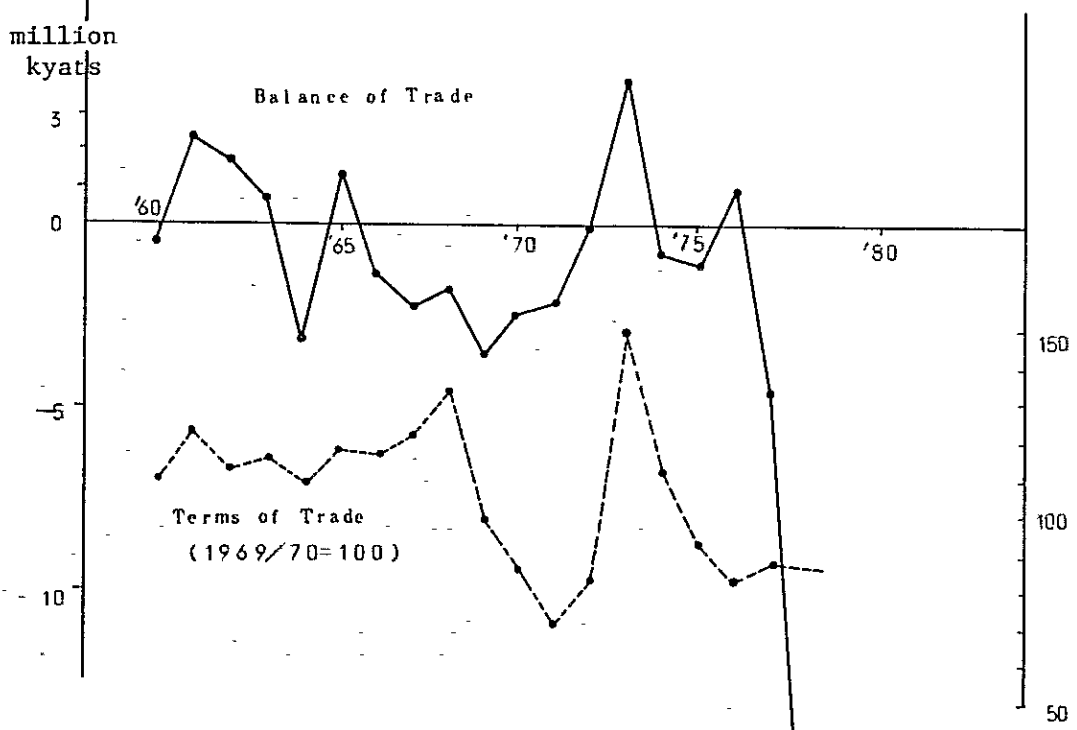
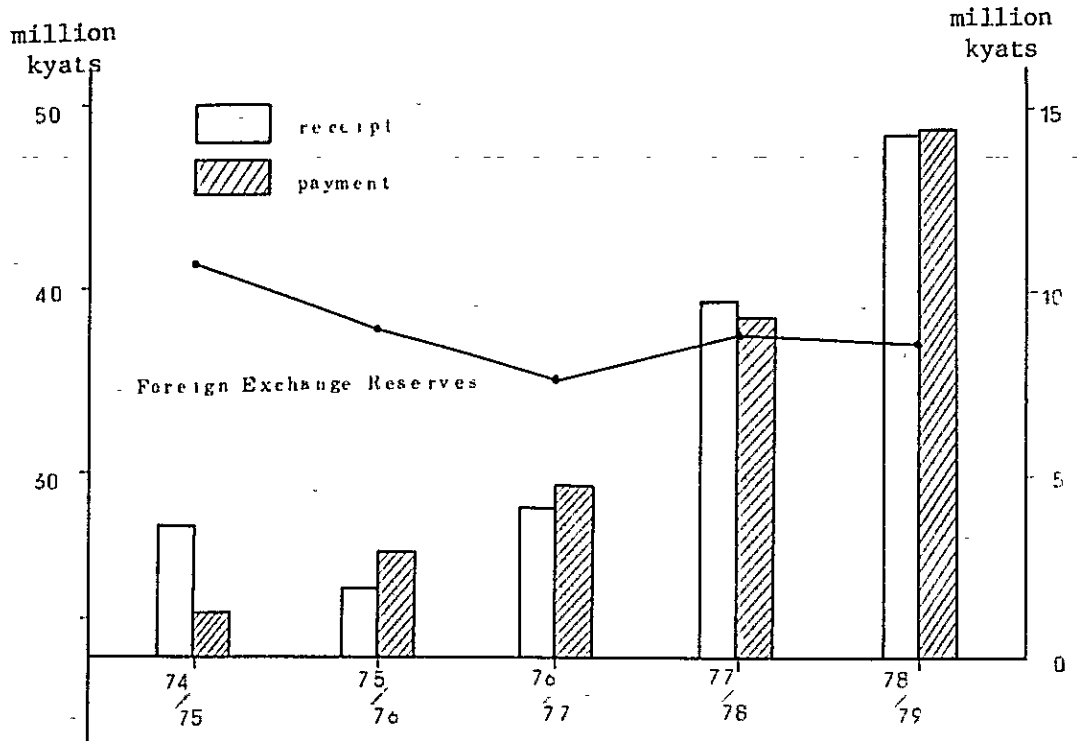
Fig. 2A-3 BUDGET AND FINANCE



GDP, at 1969/70 price, Internal Public Debt: 30th/Sept.
 Currency in Circulation: 30th/Sept.

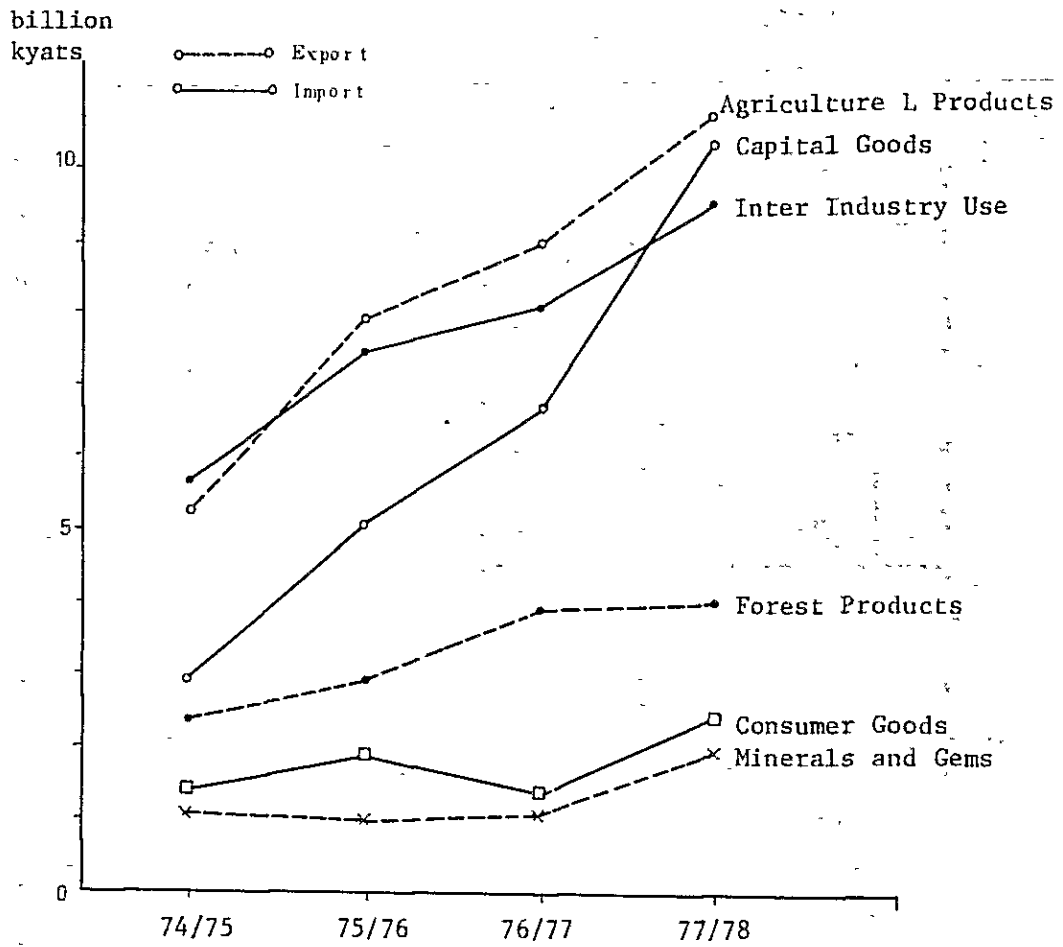
Source: Statistical Abstract (1976)

Fig. 2A-4 BALANCE PAYMENT



Source : Report to the Pyithu Hluttaw, 1979/80.

Fig. 2A-5 FOREIGN TRADE



Source : Report to the Pyithu Hluttaw, (1979/80)

APPENDIX 3A

AIR TRAFFIC FORECAST DATA

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. This section also outlines the various methods and tools used to collect and analyze data, ensuring that the information is reliable and up-to-date.

2. The second part of the document focuses on the implementation of these practices across different departments and teams. It provides detailed instructions on how to integrate record-keeping into existing workflows and processes. This includes identifying key areas where data collection is most critical and ensuring that all staff members are trained and equipped to handle the data effectively.

3. The third part of the document addresses the challenges and solutions associated with data management. It discusses common issues such as data redundancy, inconsistency, and security, and offers practical strategies to overcome these challenges. This section also highlights the importance of regular audits and updates to the data management system to maintain its integrity and effectiveness.

4. The final part of the document provides a summary of the key findings and recommendations. It reiterates the importance of a robust data management system and offers actionable steps for future improvement. This section also includes a list of resources and references for further reading and research on the topic.

Table 3A-1 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1985 (CASE 1)

| Route | Number of Pas- sengers [1000] | Aircraft Movements | | | | | | | | | | | | | | | | |
|-----------------|--|--------------------|---------|----------------|--------|----------------|--------|----------------|---------|---------------|--------|---------|--------|-----|----|-----|----|---|
| | | 360-Seater Jet | | 250-Seater Jet | | 170-Seater Jet | | 120-Seater Jet | | 60-Seater Jet | | | | | | | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | | | | | |
| RANGOON-ROME | | | | | | | | | | | | | | | | | | |
| " -ATHENS | | | | | | | | | | | | | | | | | | |
| " -BAGDAHD | | | | | | | | | | | | | | | | | | |
| " -TEHRAN | | | | | | | | | | | | | | | | | | |
| " -KARACHI | 20 | 50 | 5 | 2 | 48 | 5 | 2 | | | | | | | | | 110 | 11 | 3 |
| " -Dacca | 4 | | | | | | | | | | | | | | | | | |
| " -BOMBAY | 18 | 47 | 5 | 2 | 45 | 5 | 2 | | | | | | | | | | | |
| " -CALCUTTA | 13 | | | | | | | 113 | 11 | 3 | | | | | | | | |
| " -DELHI | 21 | 54 | 6 | 2 | 52 | 6 | 2 | | | | | | | | | | | |
| " -BANGKOK | 14 | | | | | | | 129 | 13 | 4 | | | | | | | | |
| " -SINGAPORE | 25 | 63 | 7 | 2 | 61 | 7 | 2 | | | | | | | | | | | |
| " -KUALA LUMPUR | | | | | | | | | | | | | | | | | | |
| " -JAKARTA | | | | | | | | | | | | | | | | | | |
| " -KUNMING | 8 | | | | | | | | | | | 103 | 10 | 3 | | | | |
| " -VIENTIANE | 8 | | | | | | | | | | | 99 | 10 | 3 | | | | |
| " -HONG KONG | 24 | 63 | 7 | 2 | 60 | 6 | 2 | | | | | | | | | | | |
| " -MANILA | 8 | | | | | | | | | | | 107 | 11 | 3 | | | | |
| " -TOKYO | 20 | 86 | 9 | 3 | | | | | | | | | | | | | | |
| Sub Total | 183 | 363 | 39 | 13 | 266 | 29 | 10 | 242 | 24 | 7 | 309 | 31 | 9 | 110 | 11 | | | 3 |
| Non-Scheduled | 10 | | | | 32 | 5 | 2 | 31 | 5 | 2 | | | | | | | | |
| TOTAL | 193 | 363 | 39 | 13 | 298 | 34 | 12 | 273 | 29 | 9 | 309 | 31 | 9 | 110 | 11 | | | 3 |

Table 3A-2 . PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1990 (CASE 1)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | | | |
|-----------------|-----------------------------|--------------------|---------|--------|----------------|---------|--------|----------------|---------|--------|----------------|---------|--------|---------------|---------|--------|
| | | 360-Seater Jet | | | 250-Seater Jet | | | 170-Seater Jet | | | 120-Seater Jet | | | 60-Seater Jet | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly |
| RANGOON-ROME | | | | | | | | | | | | | | | | |
| " -ATHENS | | | | | | | | | | | | | | | | |
| " -BAGDAHD | | | | | | | | | | | | | | | | |
| " -TEHRAN | | | | | | | | | | | | | | | | |
| " -KARACHI | 41 | 107 | 11 | 3 | 103 | 11 | 3 | | | | | | | | | |
| " -DACCRA | 9 | | | | | | | | | | | | | | | |
| " -BOMBAY | 39 | 100 | 10 | 3 | 96 | 10 | 3 | | | | | | | | | |
| " -CALCUTTA | 27 | | | | | | | 245 | 25 | 7 | | | | | | |
| " -DELHI | 45 | 116 | 12 | 3 | 112 | 12 | 3 | | | | | | | | | |
| " -BANGKOK | 30 | | | | | | | 110 | 11 | 3 | | | | | | |
| " -SINGAPORE | 61 | 169 | 17 | 5 | 131 | 14 | 4 | | | | | | | | | |
| " -KUALA LUMPUR | | | | | | | | | | | | | | | | |
| " -JARALTA | | | | | | | | | | | | | | | | |
| " -KUNNING | 13 | | | | | | | | | | | | 164 | 17 | 5 | |
| " -VIENTIANE | 12 | | | | | | | | | | | | 149 | 15 | 4 | |
| " -HONG KONG | 58 | 162 | 17 | 5 | 125 | 13 | 4 | | | | | | | | | |
| " -HINILA | 19 | | | | | | | | | | | | | | | |
| " -TOKYO | 40 | 169 | 17 | 5 | | | | 104 | 11 | 3 | | | 98 | 10 | 3 | |
| Sub Total | 394 | 823 | 84 | 24 | 679 | 72 | 20 | 459 | 47 | 13 | 411 | 42 | 216 | 22 | 6 | |
| Non-Scheduled | 19 | | | | 66 | 7 | 2 | 65 | 7 | 2 | | | | | | |
| TOTAL | 413 | 823 | 84 | 24 | 745 | 79 | 22 | 524 | 54 | 15 | 411 | 42 | 216 | 22 | 6 | |

Table 3A-3 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1995 (CASE 1)

| Route | Number of Passengers [1,000] | Aircraft Movements | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------------------|--------------------|---------|----------------|--------|----------------|--------|----------------|---------|---------------|--------|---------|--------|--|--|--|--|--|--|--|--|
| | | 360-Seater Jet | | 250-Seater Jet | | 170-Seater Jet | | 120-Seater Jet | | 60-Seater Jet | | | | | | | | | | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | | | | | | | | |
| RANGOON-ROME | | | | | | | | | | | | | | | | | | | | | |
| " -ATHENS | | | | | | | | | | | | | | | | | | | | | |
| " -BAGDAHD | | | | | | | | | | | | | | | | | | | | | |
| " -TEHRAN | 39 | 167 | 17 | 5 | 125 | 13 | 4 | 85 | 9 | 3 | 80 | 8 | 2 | | | | | | | | |
| " -KARACHI | 58 | 161 | 17 | 5 | | | | | | | | | | | | | | | | | |
| " -DACCA | 16 | | | | | | | | | | | | | | | | | | | | |
| " -BOMBAY | 53 | 147 | 15 | 4 | 114 | 12 | 3 | | | | | | | | | | | | | | |
| " -CALCUTTA | 36 | | | | 135 | 14 | 4 | 132 | 14 | 4 | | | | | | | | | | | |
| " -DELHI | 63 | 176 | 18 | 5 | 137 | 14 | 4 | | | | | | | | | | | | | | |
| " -BANGKOK | 54 | 150 | 15 | 4 | 117 | 12 | 3 | | | | | | | | | | | | | | |
| " -SINGAPORE | 110 | 305 | 31 | 8 | 237 | 24 | 6 | | | | | | | | | | | | | | |
| " -KUALA LUMPUR | 15 | | | | | | | 82 | 9 | 3 | 78 | 8 | 2 | | | | | | | | |
| " -JAKARTA | | | | | | | | | | | | | | | | | | | | | |
| " -KUNMING | 21 | | | | | | | 112 | 12 | 3 | 106 | 11 | 3 | | | | | | | | |
| " -VIENTIANE | 17 | | | | | | | 94 | 10 | 3 | 89 | 9 | 3 | | | | | | | | |
| " -HONG KONG | 105 | 293 | 30 | 8 | 227 | 23 | 6 | | | | | | | | | | | | | | |
| " -MANILA | 35 | | | | 131 | 14 | 4 | 128 | 13 | 4 | | | | | | | | | | | |
| " -TOKYO | 69 | 295 | 30 | 8 | | | | | | | | | | | | | | | | | |
| Sub Total | 691 | 1694 | 113 | 47 | 1223 | 126 | 34 | 633 | 67 | 20 | 353 | 36 | 10 | | | | | | | | |
| Non-Scheduled | 36 | 80 | 12 | 3 | 77 | 11 | 3 | | | | | | | | | | | | | | |
| TOTAL | 727 | 1774 | 185 | 50 | 1300 | 137 | 37 | 633 | 67 | 20 | 353 | 36 | 10 | | | | | | | | |

Table 3A-4 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 2000 (CASE 1)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | |
|-----------------|-----------------------------|--------------------|---------|----------------|--------|----------------|--------|----------------|---------|---------------|--------|---------|--------|--|
| | | 360-Seater Jet | | 250-Seater Jet | | 170-Seater Jet | | 120-Seater Jet | | 60-Seater Jet | | | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | |
| RANGOON-ROME | | | | | | | | | | | | | | |
| " -ATHENS | | | | | | | | | | | | | | |
| " -BAGDAHD | 35 | 150 | 15 | 4 | | | | | | | | | | |
| " -TEHRAN | 44 | 189 | 19 | 5 | | | | | | | | | | |
| " -KARACHI | 87 | 242 | 25 | 7 | 188 | 19 | 5 | | | | | | | |
| " -DACCRA | 25 | | | | | | | 136 | 14 | 4 | 128 | 13 | 4 | |
| " -BOMBAY | 79 | 220 | 22 | 6 | 170 | 17 | 5 | | | | | | | |
| " -CALCUTTA | 59 | 152 | 16 | 4 | 145 | 15 | 4 | | | | | | | |
| " -DELHI | 92 | 257 | 26 | 7 | 200 | 20 | 5 | | | | | | | |
| " -BANGKOK | 88 | 244 | 25 | 7 | 190 | 19 | 5 | | | | | | | |
| " -SINGAPORE | 167 | 465 | 47 | 12 | 361 | 37 | 10 | | | | | | | |
| " -KUALA LUMPUR | 23 | | | | | | | 122 | 13 | 4 | 101 | 11 | 3 | |
| " -JAKARTA | 13 | | | | | | | 67 | 7 | 2 | 64 | 7 | 2 | |
| " -KUNNING | 33 | | | | | | | 104 | 11 | 3 | 133 | 14 | 4 | |
| " -VIENTIANE | 26 | | | | | | | 235 | 24 | 6 | 133 | 14 | 4 | |
| " -HONG KONG | 166 | 460 | 46 | 12 | 357 | 36 | 9 | | | | | | | |
| " -MANILA | 56 | 156 | 16 | 4 | 121 | 13 | 4 | | | | | | | |
| " -TOKYO | 116 | 495 | 50 | 13 | | | | | | | | | | |
| Sub Total | 1109 | 3030 | 271 | 81 | 1863 | 190 | 51 | 664 | 69 | 19 | 426 | 45 | 13 | |
| Non-Scheduled | 59 | 133 | 14 | 4 | 127 | 13 | 4 | | | | | | | |
| TOTAL | 1168 | 3163 | 291 | 85 | 1990 | 203 | 55 | 664 | 69 | 19 | 426 | 45 | 13 | |

Table 3A-5 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 2005 (CASE 1)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | | | |
|-----------------|-----------------------------|--------------------|---------|--------|----------------|---------|--------|----------------|---------|--------|----------------|---------|--------|---------------|---------|--------|
| | | 360-Seater Jet | | | 250-Seater Jet | | | 170-Seater Jet | | | 120-Seater Jet | | | 60-Seater Jet | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly |
| RANGOON-ROME | | | | | | | | | | | | | | | | |
| " -ATHENS | | | | | | | | | | | | | | | | |
| " -BAGDAHD | 51 | 218 | 22 | 6 | | | | | | | | | | | | |
| " -TERRAN | 61 | 261 | 27 | 7 | | | | | | | | | | | | |
| " -KARACHI | 129 | 360 | 36 | 9 | 279 | 28 | 7 | | | | | | | | | |
| " -DACCRA | 37 | | | | 139 | 14 | 4 | 136 | 14 | 4 | | | | | | |
| " -BORBAY | 117 | 326 | 33 | 9 | 253 | 26 | 7 | | | | | | | | | |
| " -CALCUTTA | 89 | 249 | 25 | 7 | 193 | 20 | 5 | | | | | | | | | |
| " -DELHI | 145 | 404 | 41 | 11 | 313 | 32 | 8 | | | | | | | | | |
| " -BANGKOK | 132 | 367 | 37 | 10 | 285 | 29 | 8 | | | | | | | | | |
| " -SINGAPORE | 261 | 725 | 73 | 19 | 563 | 57 | 15 | | | | | | | | | |
| " -KUALA LUMPUR | 30 | | | | | | | 161 | 17 | 5 | 152 | 16 | 4 | | | |
| " -JAKARTA | 19 | | | | | | | 101 | 11 | 3 | 96 | 10 | 3 | | | |
| " -KUNMING | 52 | 146 | 15 | 4 | 113 | 12 | 3 | | | | | | | | | |
| " -VIENTIANE | 39 | | | | 144 | 15 | 4 | 142 | 15 | 4 | | | | | | |
| " -HONG KONG | 251 | 697 | 70 | 18 | 541 | 55 | 19 | | | | | | | | | |
| " -MANILA | 87 | 241 | 25 | 7 | 187 | 19 | 5 | | | | | | | | | |
| " -TOKYO | 175 | 746 | 75 | 19 | | | | | | | | | | | | |
| Sub Total | 1675 | 4740 | 419 | 126 | 3010 | 307 | 85 | 540 | 57 | 16 | 248 | 26 | 7 | | | |
| Non-Scheduled | 89 | 199 | 29 | 8 | 191 | 28 | 7 | | | | | | | | | |
| TOTAL | 1764 | 4939 | 508 | 134 | 3201 | 335 | 92 | 540 | 57 | 16 | 248 | 26 | 7 | | | |

Table 3A-6 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1985 (CASE 2)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|--------------------|---------|----------------|--------|----------------|--------|----------------|---------|---------------|--------|---------|--------|-----|----|-----|----|---|
| | | 360-Seater Jet | | 250-Seater Jet | | 170-Seater Jet | | 120-Seater Jet | | 60-Seater Jet | | | | | | | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | | | | | |
| RANGOON-ROME | | | | | | | | | | | | | | | | | | |
| " -ATHENS | | | | | | | | | | | | | | | | | | |
| " -BAGDAHD | | | | | | | | | | | | | | | | | | |
| " -TEHRAN | | | | | | | | | | | | | | | | | | |
| " -KARACHI | 20 | 50 | 5 | 2 | 48 | 5 | 2 | | | | | | | | | 110 | 11 | 3 |
| " -DACCÁ | 4 | | | | | | | | | | | | | | | | | |
| " -BOMBAY | 18 | 47 | 5 | 2 | 45 | 5 | 2 | | | | | | | | | | | |
| " -CALCUTTA | 13 | | | | | | | 113 | 11 | 3 | | | | | | | | |
| " -DELHI | 21 | 54 | 6 | 2 | 52 | 6 | 2 | | | | | | | | | | | |
| " -BANGKOK | 14 | | | | | | | 129 | 13 | 4 | | | | | | | | |
| " -SINGAPORE | 25 | 63 | 7 | 2 | 61 | 7 | 2 | | | | | | | | | | | |
| " -KUALA LUMPUR | | | | | | | | | | | | | | | | | | |
| " -JAKARTA | | | | | | | | | | | | | | | | | | |
| " -KUNMING | 8 | | | | | | | | | | | 103 | 10 | 3 | | | | |
| " -VIENTIANE | 8 | | | | | | | | | | | 99 | 10 | 3 | | | | |
| " -HONG KONG | 24 | 63 | 7 | 2 | 60 | 6 | 2 | | | | | | | | | | | |
| " -MANILA | 8 | | | | | | | | | | | 107 | 11 | 3 | | | | |
| " -TOKYO | 20 | 86 | 9 | 3 | | | | | | | | | | | | | | |
| Sub Total | 183 | 363 | 39 | 13 | 266 | 29 | 10 | 242 | 24 | 7 | 309 | 31 | 9 | 110 | 11 | 3 | | |
| Non-Scheduled | 10 | | | | 32 | 5 | 2 | 31 | 5 | 2 | | | | | | | | |
| TOTAL | 193 | 363 | 39 | 13 | 298 | 34 | 12 | 273 | 29 | 9 | 309 | 31 | 9 | 110 | 11 | 3 | | |

Table 3A-7 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1990 (CASE 2)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | | | | | |
|-----------------|-----------------------------|--------------------|---------|--------|----------------|---------|--------|----------------|---------|--------|----------------|---------|--------|---------------|---------|--------|----|---|
| | | 360-Seater Jet | | | 250-Seater Jet | | | 170-Seater Jet | | | 120-Seater Jet | | | 60-Seater Jet | | | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | | |
| RANGOON-ROME | | | | | | | | | | | | | | | | | | |
| " -ATHENS | | | | | | | | | | | | | | | | | | |
| " -BAGDAHD | | | | | | | | | | | | | | | | | | |
| " -TEHRAN | | | | | | | | | | | | | | | | | | |
| " -KARACHI | 41 | 107 | 11 | 3 | 103 | 11 | 3 | | | | | | | | | 216 | 22 | 6 |
| " -DACCA | 9 | | | | | | | | | | | | | | | | | |
| " -BOXBAY | 39 | 100 | 10 | 3 | 96 | 10 | 3 | | | | | | | | | | | |
| " -CALCUTTA | 27 | | | | | | | 245 | 25 | 7 | | | | | | | | |
| " -DELHI | 45 | 116 | 12 | 3 | 112 | 12 | 3 | | | | | | | | | | | |
| " -BANGKOK | 30 | | | | | | | 110 | 11 | 3 | | | | | | | | |
| " -SINGAPORE | 61 | 169 | 17 | 5 | 131 | 14 | 4 | | | | | | | | | | | |
| " -KUALA LUMPUR | | | | | | | | | | | | | | | | | | |
| " -JAKARTA | | | | | | | | | | | | | | | | | | |
| " -KUNMING | 13 | | | | | | | | | | | | 164 | 17 | 5 | | | |
| " -VIENTIANE | 12 | | | | | | | | | | | | 149 | 15 | 4 | | | |
| " -HONG KONG | 58 | 162 | 17 | 5 | 125 | 13 | 4 | | | | | | | | | | | |
| " -MANILA | 19 | | | | | | | 104 | 11 | 3 | | | 98 | 10 | 3 | | | |
| " -TOKYO | 40 | 169 | 17 | 5 | | | | | | | | | | | | | | |
| Sub Total | 394 | 823 | 84 | 24 | 679 | 72 | 20 | 459 | 47 | 13 | 411 | 42 | 12 | 216 | 22 | 6 | | |
| Non-Scheduled | 19 | | | | 66 | 7 | 2 | 65 | 7 | 2 | | | | | | | | |
| TOTAL | 413 | 823 | 84 | 24 | 745 | 79 | 22 | 524 | 54 | 15 | 411 | 42 | 12 | 216 | 22 | 6 | | |

Table 3A-8 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1995 (CASE 2)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | | | |
|------------------|-----------------------------|--------------------|---------|--------|----------------|---------|--------|----------------|---------|--------|----------------|---------|--------|---------------|---------|--------|
| | | 360-Seater Jet | | | 250-Seater Jet | | | 170-Seater Jet | | | 120-Seater Jet | | | 60-Seater Jet | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly |
| RANGOON--ROME | | | | | | | | | | | | | | | | |
| " --ATHENS | 22 | 95 | 10 | 3 | | | | | | | | | | | | |
| " --BAGDAHD | | | | | | | | | | | | | | | | |
| " --TEHRAN | 28 | 120 | 12 | 3 | | | | | | | | | | | | |
| " --KARACHI | 58 | 161 | 17 | 5 | 125 | 13 | 4 | | | | | | | | | |
| " --DACCA | 16 | | | | | | | 85 | 9 | 3 | 80 | 8 | 2 | | | |
| " --BOMBAY | 53 | 147 | 15 | 4 | 114 | 12 | 3 | | | | | | | | | |
| " --CALCUTTA | 36 | | | | 135 | 14 | 4 | 132 | 14 | 4 | | | | | | |
| " --DELHI | 63 | 176 | 18 | 5 | 137 | 14 | 4 | | | | | | | | | |
| " --BANGKOK | 54 | 150 | 15 | 4 | 117 | 12 | 3 | | | | | | | | | |
| " --SINGAPORE | 110 | 305 | 31 | 8 | 237 | 24 | 6 | | | | | | | | | |
| " --KUALA LUMPUR | 15 | | | | | | | 82 | 9 | 3 | 78 | 8 | 2 | | | |
| " --JAKARTA | | | | | | | | | | | | | | | | |
| " --KUNNING | 21 | | | | | | | 112 | 12 | 3 | 106 | 11 | 3 | | | |
| " --VIENTIANE | 17 | | | | | | | 94 | 10 | 3 | 89 | 9 | 3 | | | |
| " --HONG KONG | 105 | 293 | 30 | 8 | 227 | 23 | 6 | | | | | | | | | |
| " --MANILA | 35 | | | | 131 | 14 | 4 | 128 | 13 | 4 | | | | | | |
| " --TOKYO | 69 | 295 | 30 | 8 | | | | | | | | | | | | |
| Sub Total | 702 | 1742 | 178 | 48 | 1223 | 126 | 34 | 633 | 67 | 20 | 353 | 36 | 10 | | | |
| Non-Scheduled | 36 | 80 | 12 | 3 | 77 | 11 | 3 | | | | | | | | | |
| TOTAL | 738 | 1822 | 190 | 51 | 1300 | 137 | 37 | 633 | 67 | 20 | 353 | 36 | 10 | | | |

Table 3A-9 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 2000 (CASE 2)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | | | |
|-----------------|-----------------------------|--------------------|---------|--------|----------------|---------|--------|----------------|---------|--------|----------------|---------|--------|---------------|---------|--------|
| | | 360-Seater Jet | | | 250-Seater Jet | | | 170-Seater Jet | | | 120-Seater Jet | | | 60-Seater Jet | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly |
| RANGOON-RONE | 23 | 97 | 10 | 3 | | | | | | | | | | | | |
| " -ATHENS | 25 | 109 | 11 | 3 | | | | | | | | | | | | |
| " -BAGDAHD | 23 | 99 | 10 | 3 | | | | | | | | | | | | |
| " -TEHRAN | 32 | 136 | 14 | 4 | | | | | | | | | | | | |
| " -KARACHI | 87 | 242 | 25 | 7 | 188 | 19 | 5 | | | | | | | | | |
| " -DACCA | 25 | | | | | | | 136 | 14 | 4 | 128 | 13 | 4 | | | |
| " -BOMBAY | 79 | 220 | 22 | 6 | 170 | 17 | 5 | | | | | | | | | |
| " -CALCUTTA | 59 | 152 | 16 | 4 | 145 | 15 | 4 | | | | | | | | | |
| " -DELHI | 92 | 257 | 26 | 7 | 200 | 20 | 5 | | | | | | | | | |
| " -BANGKOK | 88 | 244 | 25 | 7 | 190 | 19 | 5 | | | | | | | | | |
| " -SINGAPORE | 167 | 465 | 47 | 12 | 361 | 37 | 10 | | | | | | | | | |
| " -KUALA LUMPUR | 23 | | | | | | | 122 | 13 | 4 | 101 | 11 | 3 | | | |
| " -JAKARTA | 13 | | | | | | | 67 | 7 | 2 | 64 | 7 | 2 | | | |
| " -KUNMING | 33 | | | | 131 | 14 | 4 | | | | 104 | 11 | 3 | | | |
| " -VIENTIANE | 26 | | | | | | | 235 | 24 | 6 | 133 | 14 | 4 | | | |
| " -HONG KONG | 166 | 460 | 46 | 12 | 357 | 36 | 9 | | | | | | | | | |
| " -MANILA | 56 | 156 | 16 | 4 | 121 | 13 | 4 | | | | | | | | | |
| " -TOKYO | 116 | 495 | 50 | 13 | | | | | | | | | | | | |
| Sub Total | 1133 | 3132 | 318 | 85 | 1863 | 190 | 51 | 664 | 69 | 19 | 426 | 45 | 13 | | | |
| Non-Scheduled | 59 | 133 | 14 | 4 | 127 | 13 | 4 | | | | | | | | | |
| TOTAL | 1192 | 3265 | 332 | 89 | 1990 | 203 | 55 | 664 | 69 | 19 | 426 | 45 | 13 | | | |

Table 3A-10 PROJECTED INTERNATIONAL AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 2005 (CASE 2)

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | | | |
|-----------------|-----------------------------|--------------------|---------|--------|----------------|---------|--------|----------------|---------|--------|----------------|---------|--------|---------------|---------|--------|
| | | 360-Seater Jet | | | 250-Seater Jet | | | 170-Seater Jet | | | 120-Seater Jet | | | 60-Seater Jet | | |
| | | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly | Annual | Monthly | Weekly |
| RANGOON-RONE | 43 | 183 | 19 | 5 | | | | | | | | | | | | |
| " -ATHENS | 42 | 182 | 19 | 5 | | | | | | | | | | | | |
| " -BAGDAHD | 31 | 134 | 14 | 4 | | | | | | | | | | | | |
| " -TEHRAN | 41 | 174 | 18 | 5 | | | | | | | | | | | | |
| " -KARACHI | 129 | 360 | 36 | 9 | 279 | 28 | 7 | | | | | | | | | |
| " -DACCRA | 37 | | | | 139 | 14 | 4 | 136 | 14 | 4 | | | | | | |
| " -BOMBAY | 117 | 326 | 33 | 9 | 253 | 26 | 7 | | | | | | | | | |
| " -CALCUTTA | 89 | 249 | 25 | 7 | 193 | 20 | 5 | | | | | | | | | |
| " -DELHI | 145 | 404 | 41 | 11 | 313 | 32 | 8 | | | | | | | | | |
| " -BANGKOK | 132 | 367 | 37 | 10 | 285 | 29 | 8 | | | | | | | | | |
| " -SINGAPORE | 261 | 725 | 73 | 19 | 563 | 57 | 15 | | | | | | | | | |
| " -KUALA LUMPUR | 30 | | | | 161 | 17 | 5 | 152 | 16 | 4 | | | | | | |
| " -JAKARTA | 19 | | | | 101 | 11 | 3 | 96 | 10 | 3 | | | | | | |
| " -KUMING | 52 | 146 | 15 | 4 | 113 | 12 | 3 | | | | | | | | | |
| " -VIENTIANE | 39 | | | | 144 | 15 | 4 | 142 | 15 | 4 | | | | | | |
| " -HONG KONG | 251 | 697 | 70 | 18 | 541 | 55 | 19 | | | | | | | | | |
| " -MANILA | 87 | 241 | 25 | 7 | 187 | 19 | 5 | | | | | | | | | |
| " -TOKYO | 175 | 746 | 75 | 19 | | | | | | | | | | | | |
| Sub Total | 1720 | 4934 | 500 | 132 | 3010 | 307 | 85 | 540 | 57 | 16 | 248 | 26 | 7 | | | |
| Non-Scheduled | 89 | 199 | 29 | 8 | 191 | 28 | 7 | | | | | | | | | |
| TOTAL | 1809 | 5133 | 529 | 140 | 3201 | 335 | 92 | 540 | 57 | 16 | 248 | 26 | 7 | | | |

Table 3A-11 PROJECTED DOMESTIC AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1985

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | |
|---------------|-----------------------------------|--------------------------|---------------------------|-------------------------|--------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|
| | | 120-Seater Jet Annual | 120-Seater Jet Monthly | 60-Seater Jet Annual | 60-Seater Jet Monthly | 40-Seater Non-Jet Annual | 40-Seater Non-Jet Monthly | 20-Seater Non-Jet Annual | 20-Seater Non-Jet Monthly |
| 300 | 64 | | | 1524 | 139 | 5 | | | |
| 400 | 78 | | | 1858 | 169 | 6 | | | |
| 500 | 12 | | | | | | | 858 | 78 |
| 600 | 87 | | | 2072 | 189 | 7 | | | |
| 700 | 94 | | | 2239 | 204 | 7 | | | |
| 800 | 62 | | | 1477 | 135 | 5 | | | |
| Sub Total | 396 | | | 9170 | 836 | 30 | | 858 | 78 |
| Non-Scheduled | 31 | | | | | | | 1550 | 155 |
| TOTAL | 427 | | | 9170 | 836 | 30 | | 1550 | 155 |
| | | | | | | | | 6 | 6 |
| | | | | | | | | 858 | 78 |
| | | | | | | | | | 3 |

Table 3A-12 PROJECTED DOMESTIC AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1990

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | |
|---------------|-----------------------------------|--------------------|---------|---------------|--------|-------------------|-------|-------------------|---------|-------|---|------|-----|---|
| | | 120-Seater Jet | | 60-Seater Jet | | 40-Seater Non-Jet | | 20-Seater Non-Jet | | | | | | |
| | | Annual | Monthly | Daily | Annual | Monthly | Daily | Annual | Monthly | Daily | | | | |
| 300 | 91 | | | | 2167 | 197 | 7 | | | | | | | |
| 400 | 109 | | | | 2595 | 236 | 8 | | | | | | | |
| 500 | 16 | | | | | | | | | | | 1143 | 104 | 4 |
| 600 | 122 | | 1453 | 133 | | | 5 | | | | | | | |
| 700 | 131 | | 1560 | 142 | | | 5 | | | | | | | |
| 800 | 87 | | | | 2072 | 189 | 7 | | | | | | | |
| Sub Total | 556 | 3031 | 275 | 10 | 6834 | 622 | 22 | | | | | 1143 | 104 | 4 |
| Non-Scheduled | 44 | | | | | | | | 2175 | 218 | 8 | | | |
| TOTAL | 600 | 3031 | 275 | 10 | 6834 | 622 | 22 | | 2175 | 218 | 8 | 1143 | 104 | 4 |

Table 3A-13 PROJECTED DOMESTIC AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 1995

| Route | Number of Passengers [1,000] | Aircraft Movements | | | | | | | | | | | | | | | | | |
|---------------|------------------------------------|--------------------|---------|---------------|--------|-------------------|-------|-------------------|---------|----------------|--------|---------------|-------|-------------------|---------|-------------------|--------|---------|-------|
| | | 120-Seater Jet | | 60-Seater Jet | | 40-Seater Non-Jet | | 20-Seater Non-Jet | | 120-Seater Jet | | 60-Seater Jet | | 40-Seater Non-Jet | | 20-Seater Non-Jet | | | |
| | | Annual | Monthly | Daily | Annual | Monthly | Daily | Annual | Monthly | Daily | Annual | Monthly | Daily | Annual | Monthly | Daily | Annual | Monthly | Daily |
| 300 | 121 | 1441 | 131 | 5 | | | | | | | | | | | | | | | |
| 400 | 146 | 1739 | 159 | 6 | | | | | | | | | | | | | | | |
| 500 | 22 | | | | | | | | | | | | | | | | | | |
| 600 | 163 | 1941 | 177 | 6 | | | | | | | | | | | | | | | |
| 700 | 176 | 2096 | 191 | 7 | | | | | | | | | | | | | | | |
| 800 | 116 | 1381 | 126 | 5 | | | | | | | | | | | | | | | |
| Sub Total | 743 | 8598 | 784 | 29 | | | | | | | | | | | | | | | |
| Non-Scheduled | 59 | | | | | | | | | | | | | | | | | | |
| TOTAL | 802 | 8598 | 784 | 29 | | | | | | | | | | | | | | | |

Table 3A-14 PROJECTED DOMESTIC AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 2000

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | |
|---------------|-----------------------------------|--------------------|---------|---------------|--------|-------------------|-------|-------------------|---------|-------|--|--|--|--|
| | | 120-Seater Jet | | 60-Seater Jet | | 40-Seater Non-Jet | | 20-Seater Non-Jet | | | | | | |
| | | Annual | Monthly | Daily | Annual | Monthly | Daily | Annual | Monthly | Daily | | | | |
| 300 | 155 | 1845 | 168 | 6 | | | | | | | | | | |
| 400 | 186 | 2214 | 202 | 7 | | | | | | | | | | |
| 500 | 28 | | | | | | 1000 | 91 | 4 | | | | | |
| 600 | 208 | 2476 | 226 | 8 | | | | | | | | | | |
| 700 | 224 | 2667 | 243 | 9 | | | | | | | | | | |
| 800 | 148 | 1761 | 161 | 6 | | | | | | | | | | |
| Sub Total | 949 | 10963 | 1000 | 36 | | | 1000 | 91 | 4 | | | | | |
| Non-Scheduled | 75 | | | | 2063 | 207 | 7 | | | | | | | |
| TOTAL | 1024 | 10963 | 1000 | 36 | 2063 | 207 | 7 | 1000 | 91 | 4 | | | | |

Table 3A-15 PROJECTED DOMESTIC AIRCRAFT MOVEMENTS BY ROUTE AT RIA IN THE YEAR 2005

| Route | Number of Passengers [1000] | Aircraft Movements | | | | | | | | | | | | |
|---------------|-----------------------------------|--------------------|---------|---------------|--------|-------------------|-------|-------------------|---------|-------|---|--|--|--|
| | | 120-Seater Jet | | 60-Seater Jet | | 40-Seater Non-Jet | | 20-Seater Non-Jet | | | | | | |
| | | Annual | Monthly | Daily | Annual | Monthly | Daily | Annual | Monthly | Daily | | | | |
| 300 | 188 | 2239 | 204 | 7 | | | | | | | | | | |
| 400 | 227 | 2703 | 246 | 9 | | | | | | | | | | |
| 500 | 34 | | | | | | 1215 | 111 | | | 4 | | | |
| 600 | 253 | 3012 | 274 | 10 | | | | | | | | | | |
| 700 | 273 | 3251 | 296 | 10 | | | | | | | | | | |
| 800 | 181 | 2155 | 196 | 7 | | | | | | | | | | |
| Sub Total | 1155 | 13360 | 1216 | 43 | | | 1215 | 111 | | | 4 | | | |
| Non-Scheduled | 91 | | | | 2167 | 217 | 8 | | | | | | | |
| TOTAL | 1246 | 13360 | 1216 | 43 | 2167 | 217 | 8 | 1215 | 111 | | 4 | | | |

Fig. 3A-1 GRAPHIC PRESENTATION OF THE REGRESSION MODEL OF THE NORMAL INTERNATIONAL PASSENGERS

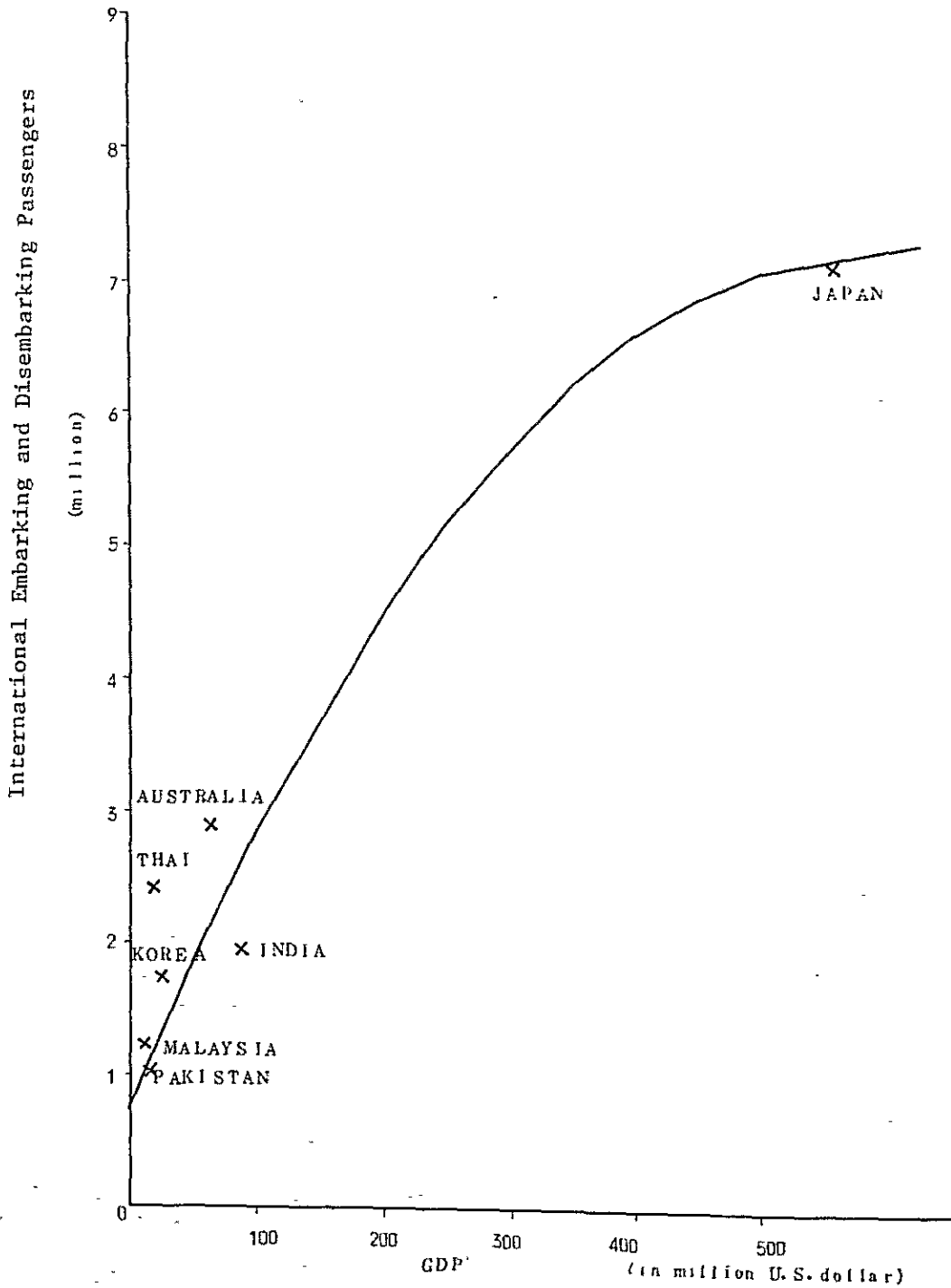


Fig. 3A-2 SHARE OF TRANSIT PASSENGERS
IN INTERNATIONAL AIR PASSENGERS

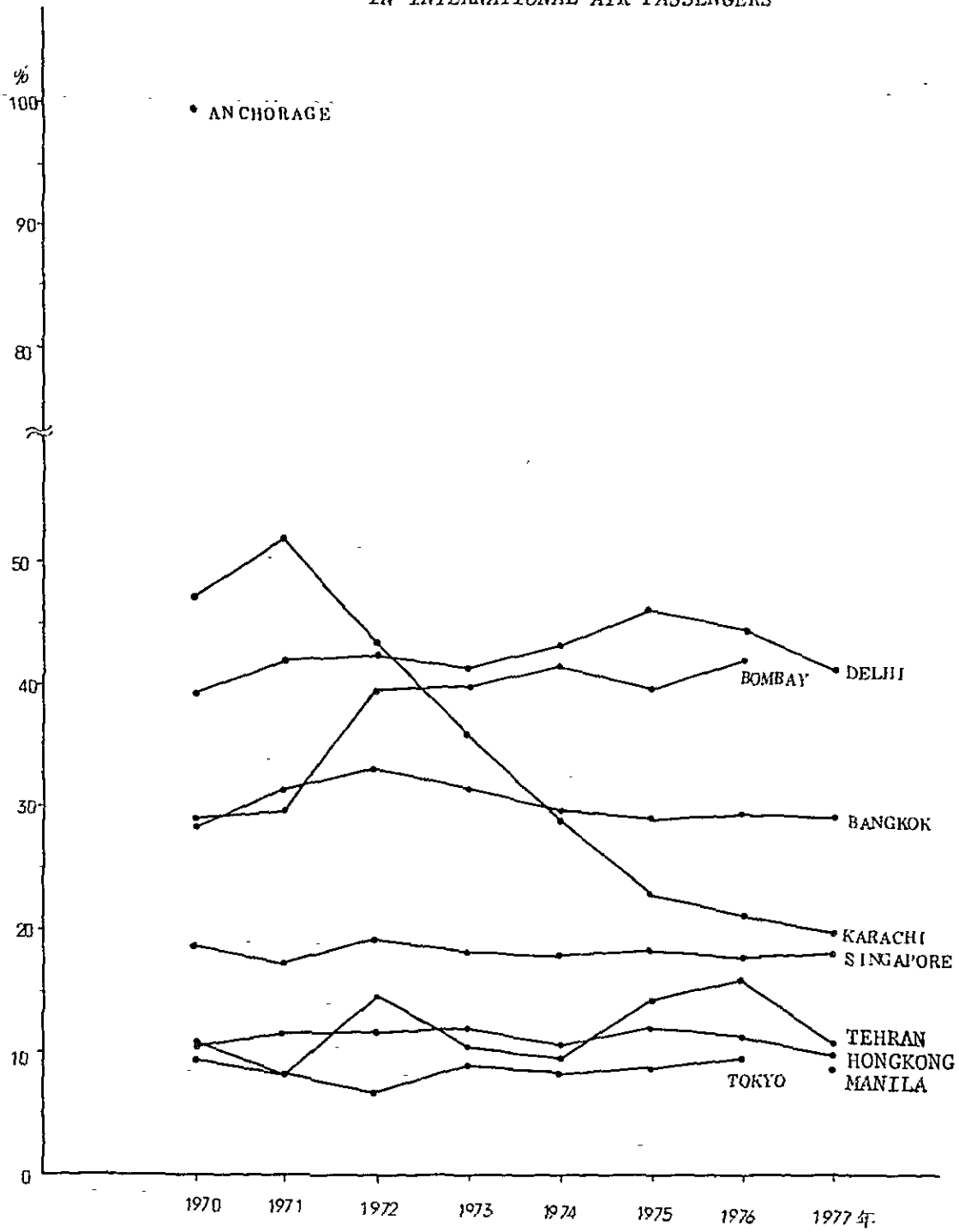
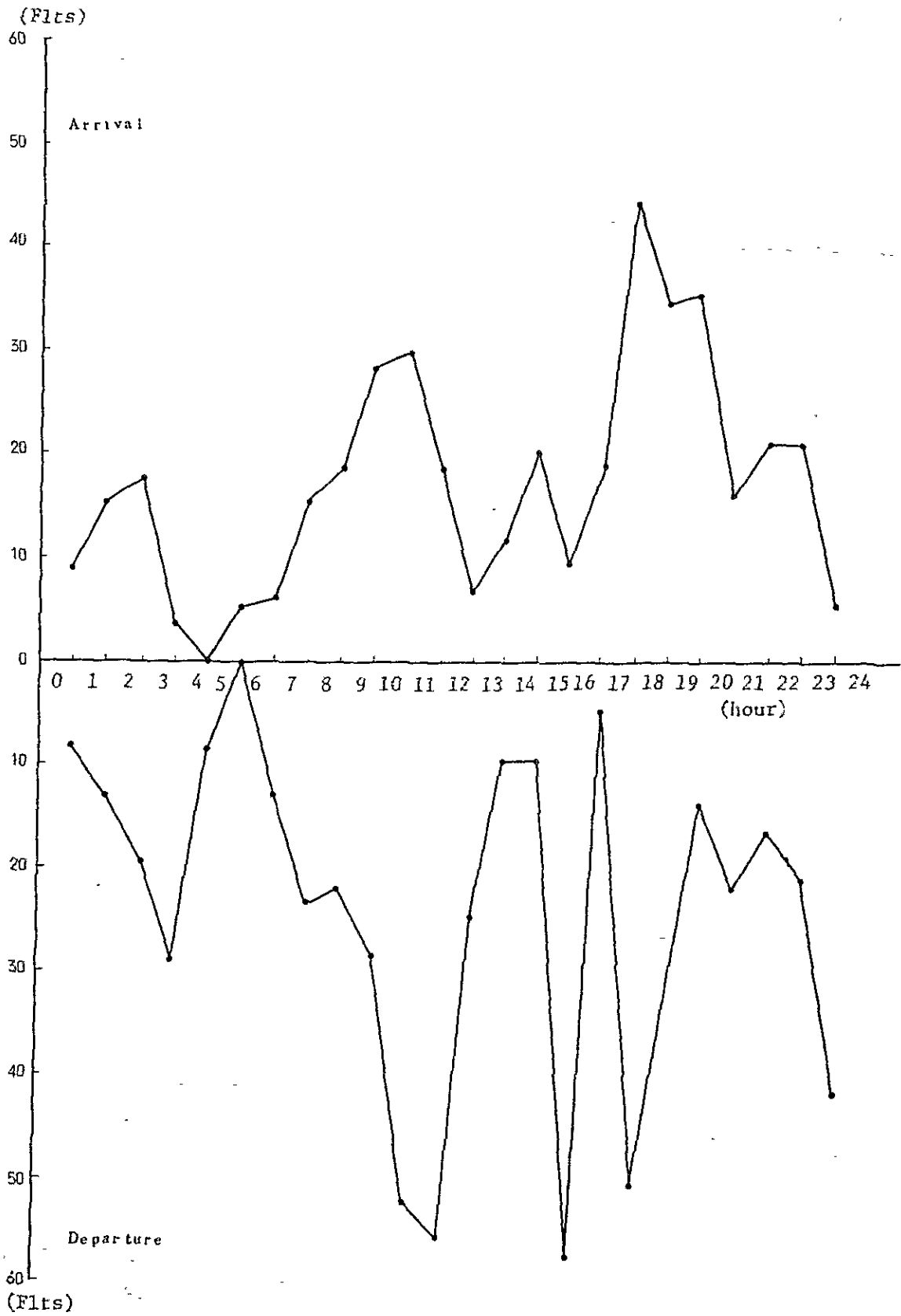


Fig 3A-3 LANDING & TAKE-OFF AT BANGKOK INTERNATIONAL AIRPORT



Source: OAG, ABC (Oct. 1979)

Fig. 3A-4 FORECASTS OF AIR PASSENGER AT RANGOON INTERNATIONAL AIRPORT

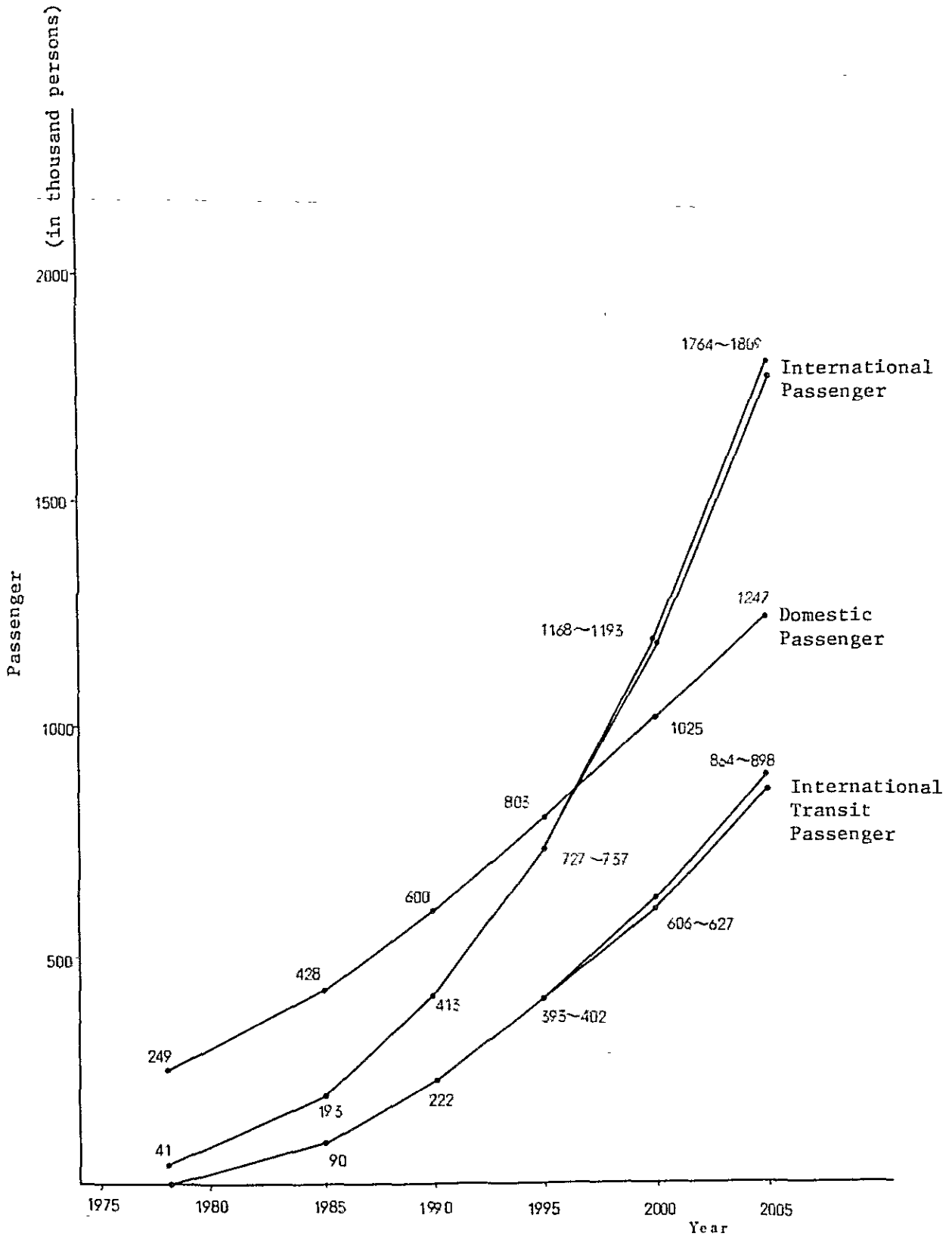


Table 3A-16 FORECASTS OF INTERNATIONAL NON-SCHEDULED CARGO FLIGHT MOVEMENT AT RIA

| Year | Cargo (tons) | Aircraft Movements (170 Seater-Jet) | | |
|------|-----------------|--|---------|--------|
| | | Annual | Monthly | Weekly |
| 1985 | 18 | 1 | 1 | 1 |
| 1990 | 38 | 3 | 1 | 1 |
| 1995 | 76 | 5 | 1 | 1 |
| 2000 | 146 | 9 | 1 | 1 |
| 2005 | 270 | 15 | 2 | 1 |

International Non-Scheduled Cargo (tons)

= 0.02 x Total International Cargo

(2% of Total International Cargo)

Table 3A-17 FORECASTS OF DOMESTIC NON-SCHEDULED
CARGO FLIGHT MOVEMENTS AT RIA

| Year | Cargo (in tons) | Aircraft Movements | | | | | |
|------|--------------------|--------------------|---------|-------|-------------------|---------|-------|
| | | 40-Seater Non-Jet | | | 20-Seater Non-Jet | | |
| | | Annual | Monthly | Daily | Annual | Monthly | Daily |
| 1985 | 1510 | 607 | 61 | 3 | 303 | 31 | 2 |
| 1990 | 1980 | 795 | 80 | 4 | 398 | 40 | 2 |
| 1995 | 2550 | 1063 | 107 | 5 | | | |
| 2000 | 3080 | 1284 | 129 | 6 | | | |
| 2005 | 3564 | 1268 | 128 | 6 | | | |

Table 3A-18 FORECASTS OF AIR TRAFFIC AT THE MINGALADON AIRPORT AND ANNUAL GROWTH RATE

| Case No. | Item | (in 1000 passenger or 1000 ton) | | | | | |
|----------|--------------------------------------|---------------------------------|-----------|-----------|-----------|-----------|------------|
| | | 1978 | 1985 | 1990 | 1995 | 2000 | 2005 |
| I | International Emb./Disemb. Passenger | 41 | 110 (15%) | 212 (14%) | 390 (13%) | 687 (12%) | 1157 (11%) |
| | International Transit Passenger | - | 90 (-) | 222 (20%) | 402 (13%) | 627 (9%) | 898 (7%) |
| | Domestic Passenger | 250 | 456 (9%) | 670 (8%) | 940 (7%) | 1258 (6%) | 1606 (5%) |
| | International Cargo | 0.3 | 1.0 (18%) | 2.1 (17%) | 4.4 (16%) | 8.9 (15%) | 17.0 (14%) |
| | Domestic Cargo | 2.1 | 3.6 (8%) | 5.0 (7%) | 6.8 (6%) | 8.6 (5%) | 10.5 (4%) |
| II | International Emb./Disemb. Passenger | 41 | 103 (14%) | 190 (13%) | 336 (12%) | 565 (11%) | 911 (10%) |
| | International Transit Passenger | - | 90 (-) | 222 (20%) | 402 (13%) | 627 (9%) | 898 (7%) |
| | Domestic Passenger | 250 | 428 (8%) | 600 (7%) | 803 (6%) | 1025 (5%) | 1247 (4%) |
| | International Cargo | 0.3 | 0.9 (17%) | 1.9 (16%) | 3.8 (15%) | 7.3 (14%) | 13.5 (13%) |
| | Domestic Cargo | 2.1 | 3.4 (7%) | 4.5 (6%) | 5.8 (5%) | 7.0 (4%) | 8.1 (3%) |
| III | International Emb./Disemb. Passenger | 41 | 117 (16%) | 225 (14%) | 396 (12%) | 638 (10%) | 937 (8%) |
| | International Transit Passenger | - | 90 (-) | 222 (20%) | 402 (13%) | 627 (9%) | 898 (7%) |
| | Domestic Passenger | 250 | 486 (10%) | 715 (8%) | 956 (6%) | 1164 (4%) | 1285 (2%) |
| | International Cargo | 0.3 | 1.0 (19%) | 2.2 (17%) | 4.5 (15%) | 8.2 (13%) | 13.9 (11%) |
| | Domestic Cargo | 2.1 | 3.8 (9%) | 5.4 (7%) | 6.9 (5%) | 8.0 (3%) | 8.4 (1%) |

Air Traffic Forecast of Asia Area by ICAO (1978-1986)

| | |
|-------------------------|-----|
| International Passenger | 16% |
| Domestic Passenger | 10% |
| International Cargo | 19% |
| Domestic Cargo | 9% |

Table 3A-19 TRAFFIC OF PRINCIPAL INTERNATIONAL AIRPORTS OF ICAO STATES (IN 1976)

| State | Passenger (in 1000 persons) | | Cargo (in 1000 tons) | | GDP (in million dollars) | Area (in 1000 km ²) |
|-------------------|--------------------------------|----------|-------------------------|----------|-----------------------------|------------------------------------|
| | International | Domestic | International | Domestic | | |
| Bangladesh | 125 | 334 | 3.2 | 3.3 | 6838 | 144 |
| Hong Kong | 4415 | - | 163.2 | - | 29322 | 1 |
| India | 1921 | - | 87.6 | - | 86918 | 3280 |
| Indonesia | 965 | 1955 | 15.8 | 20.0 | 37270 | 1904 |
| Japan | 7091 | 23773 | 366.2 | 192.6 | 555063 | 372 |
| Malaysia | 1243 | 870 | 15.6 | - | 11060 | 330 |
| Pakistan | 1087 | 2052 | 31.3 | 25.6 | 14510 | 804 |
| Republic of Korea | 1733 | 573 | 92.8 | 3.4 | 25369 | 98 |
| Singapore | 3799 | - | 78.2 | - | 5915 | 0.6 |
| Sri Lanka | 204 | 14 | 0.5 | - | 3131 | 66 |
| Thailand | 2487 | 232 | 59.1 | 1.0 | 16283 | 514 |
| Australia | 2897 | 12118 | 75.9 | 152.6 | 64022 | 7687 |
| Denmark | 6471 | 1582 | 139.7 | 4.8 | 38527 | 43 |
| France | 17232 | 9824 | 419.8 | 44.0 | 346731 | 547 |
| West Germany | 20028 | 13878 | 500.9 | 153.3 | 445909 | 248 |
| Ireland | 2606 | 359 | 52.0 | 8.3 | 7971 | 70 |
| Netherlands | 8056 | 160 | 266.4 | 0.1 | 89523 | 41 |
| United Kingdom | 28432 | 5092 | 500.8 | 29.6 | 220155 | 244 |
| Austria | 2276 | 3 | 28.5 | 0 | 40620 | 84 |

(Continued)

| State | Passenger (in 1000 persons) | | Cargo (in 1000 tons) | | GDP (in million dollars) | Area (in 1000 km ²) |
|--------------|--------------------------------|----------|-------------------------|----------|-----------------------------|------------------------------------|
| | International | Domestic | International | Domestic | | |
| | | | | | | |
| Finland | 1698 | 1143 | 16.5 | 4.3 | 28145 | 337 |
| Iceland | 256 | 248 | 4.7 | 4.8 | 1455 | 103 |
| Norway | 2086 | 2772 | 17.5 | 13.7 | 31301 | 324 |
| Sweden | 4077 | 1593 | 45.2 | 4.1 | 74214 | 450 |
| Switzerland | 8694 | 1190 | 144.9 | 17.8 | 56284 | 41 |
| Greece | 3967 | 2412 | 33.1 | 11.8 | 22245 | 132 |
| Spain | 15391 | 14966 | 108.6 | 149.0 | 104620 | 505 |
| Kenya | 786 | 149 | 34.7 | 0.4 | 3405 | 583 |
| South Africa | 1506 | 2952 | 61.8 | 38.5 | 33472 | 1221 |
| Canada | 9724 | 13414 | 141.9 | 175.2 | 194606 | 9976 |
| U.S.A. | 25585 | 136898 | 1194.9 | 2286.3 | 1702023 | 9363 |
| Brazil | 2156 | 6040 | 91.1 | 84.7 | 144615 | 8512 |
| Chile | 427 | 212 | 22.6 | 6.8 | 8088 | 757 |
| Honduras | 172 | 83 | 10.0 | 1.3 | 1201 | 1.2 |
| Mexico | 3549 | 8780 | - | - | 79139 | 1973 |
| Nicaragua | 203 | 30 | 15.9 | 3.1 | 1835 | 130 |
| Panama | 723 | 83 | 40.8 | 1.3 | 2028 | 76 |
| Peru | 1289 | 1135 | 15.0 | 12.0 | 9872 | 1285 |

(Continued)

| State | Passenger (in 1000 persons) | | Cargo (in 1000 tons) | | GDP (in million dollars) | Area (in 1000 km ²) |
|--------------|--------------------------------|----------|-------------------------|----------|-----------------------------|------------------------------------|
| | International | Domestic | International | Domestic | | |
| | Uruguay | 591 | 70 | 10.5 | | |
| Venezuela | 1414 | 3036 | 82.9 | 12.7 | 31019 | 912 |
| Iran | 1454 | 1840 | 96.2 | 12.0 | 66777 | 1648 |
| Saudi Arabia | 1933 | 1328 | 11.2 | 5.2 | 43924 | 2150 |

| Airport | (in 1000 persons) | | | | | | | | | | Average Annual Growth Rate for 1972 - 77 (in percent) |
|--------------------|-------------------|------|------|------|------|------|------|------|------|------|---|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1977 | 1977 | |
| SINGAPORE | | | | | | | | | | | |
| Embark & Disembark | 1379 | 1669 | 1476 | 2123 | 2997 | 3324 | 3740 | 4224 | 4224 | 23 | |
| Transit | 309 | 346 | 340 | 464 | 636 | 708 | 787 | 906 | 906 | 22 | |
| Total | 1688 | 2015 | 1816 | 2587 | 3633 | 4032 | 4527 | 5130 | 5130 | 23 | |
| HONG KONG | | | | | | | | | | | |
| Embark & Disembark | 1105 | 2371 | 2880 | 3543 | 3693 | 3865 | 4415 | 4899 | 4899 | 11 | |
| Transit | 134 | 299 | 375 | 482 | 452 | 525 | 553 | 543 | 543 | 8 | |
| Total | 1239 | 2670 | 3255 | 4025 | 4145 | 4390 | 4968 | 5442 | 5442 | 11 | |
| TOKYO | | | | | | | | | | | |
| Embark & Disembark | 2357 | - | 3199 | 4350 | 4485 | 5013 | 5686 | - | - | 15* | |
| Transit | 257 | - | 250 | 405 | 407 | 460 | 564 | - | - | 23* | |
| Total | 2614 | - | 3449 | 4755 | 4892 | 5473 | 6250 | - | - | 16* | |

Source: ICAO Airport Statistics

* 1972-1976

Table 3A-21 ESTIMATED FUTURE GDP OF BURMA

| Year | Gross Domestic Product (Million of Constant 1978 U.S. dollars) |
|------|---|
| 1980 | 3,896 |
| 1985 | 5,820 |
| 1990 | 7,751 |
| 1995 | 10,324 |
| 2000 | 13,751 |
| 2005 | 18,315 |

Table 3A-22 LOAD FACTORS USED IN PROJECT PLANNING

| | International | Domestic |
|-----------|---------------|---------------|
| Passenger | Scheduled | 70% |
| | Non-Scheduled | 50% (in 1985) |
| | | 60% (in 1995) |
| Cargo | Scheduled | 70% (in 2005) |
| | | 60% |
| | Non-Scheduled | 50% (in 1985) |
| | | 60% (in 1995) |
| | | 70% (in 2005) |

APPENDIX 3B

LISTS OF PROJECTION FORMULA



Table 3B-1 THE REGRESSION MODEL USED IN FORECAST

Formula 1. Normal International Passengers at Mingaladon Airport

$$Y = -781.5 + 0.02230 (\text{GDP}) - 0.0000001971 (\text{GDP})^2$$

$$r = 0.927$$

GDP: 1976 year constant price (in million dollar)
Y: International passenger (in thousand persons)

Formula 2. International Passenger between East Asia and Europe

$$Y = 105003.8 + 159250.1t$$

$$r = 0.984$$

t: Trend (t=1, 1967 year)
Y: International passenger between East Asia and Europe (in person)

Formula 3. International Passenger between South East Asia and Europe

$$Y = 3937.8 + 65158.0t$$

$$r = 0.966$$

t: Trend (t=1, 1967 year)
Y: International passenger between South East Asia and Europe (in person)

Formula 4. International Passenger between Australia, New Zealand and Europe

$$Y = -8263.8 + 135783.3t$$

$$r = 0.933$$

t: Trend (t=1, 1967 year)
Y: International passenger between Australia, New Zealand and Europe (in person)

(continued)

Formula 5. International Passenger between South Asia and USA, Canada

$$Y = 45410.7 + 12324.0t$$

$$r = 0.950$$

t: Trend (t=1, 1967 year)

Y: International passenger between South Asia and USA, Canada (in person)

Formula 6. Normal Domestic Passenger at Mingaladon Airport

$$Y = 710.76 + 0.3513 (GDP) + 0.37118 (S)$$

$$r = 0.876$$

GDP: 1976 year constant price (in million dollar)

S: National area (in thousand km²)

Y: Domestic passenger (in thousand persons)

Formula 7. Normal International Cargo at Mingaladon Airport

$$Y = 15.424 + 0.0009467 (GDP)$$

$$r = 0.946$$

GDP: 1976 year constant price (in million dollar)

Y: International cargo (in thousand tons)

Formula 8. Normal Domestic Cargo at Mingaladon Airport

$$Y = -1.04835 + 0.00030 (GDP) + 0.00859 (S)$$

$$r = 0.849$$

GDP: 1976 year constant price (in million dollar)

S: National area (in thousand km²)

Y: Domestic cargo (in thousand tons)

APPENDIX 4A

RUNWAY DIMENSION OF INTERNATIONAL AIRPORTS
IN THE MAJOR CITIES OF SOUTH EAST ASIA

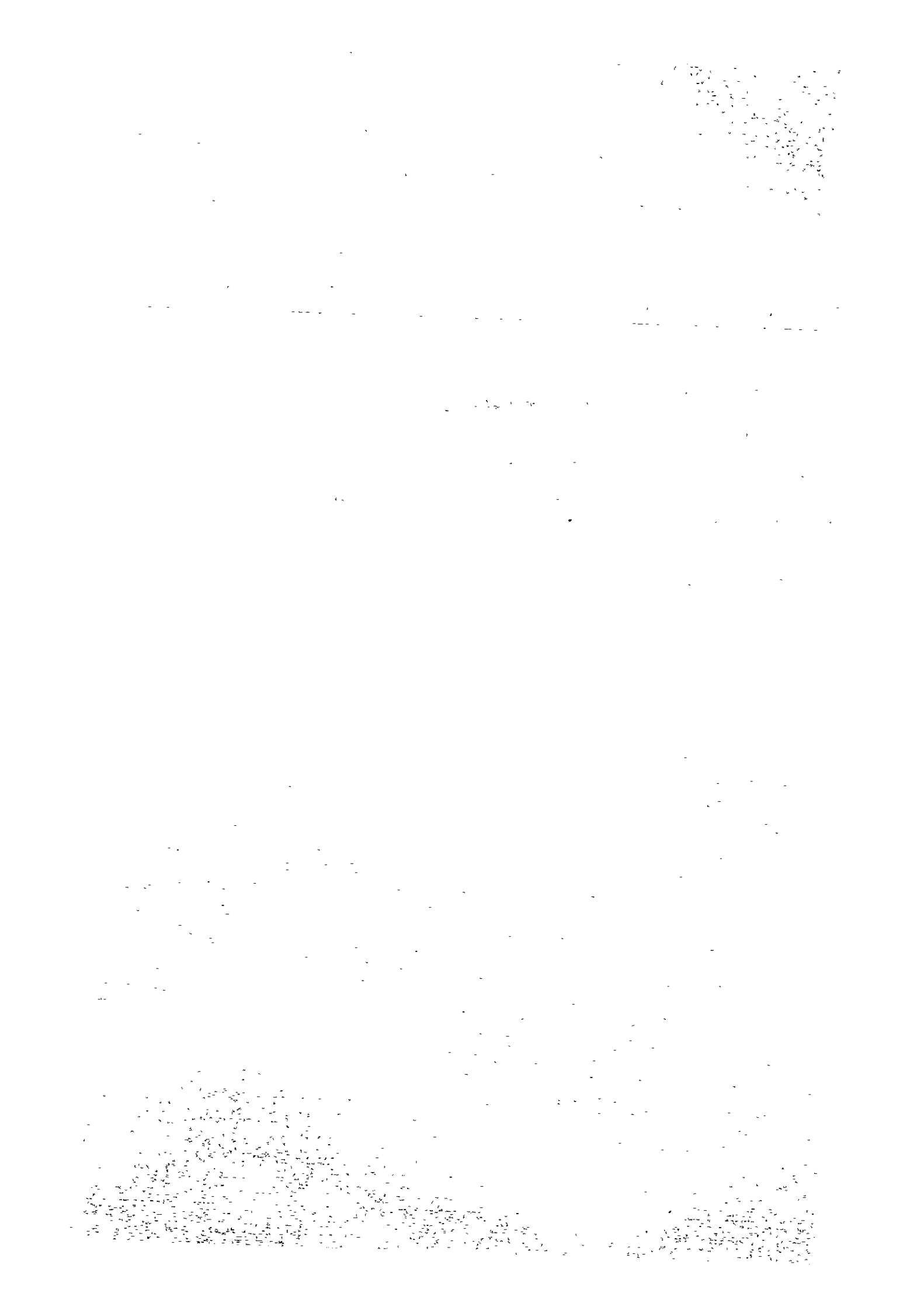
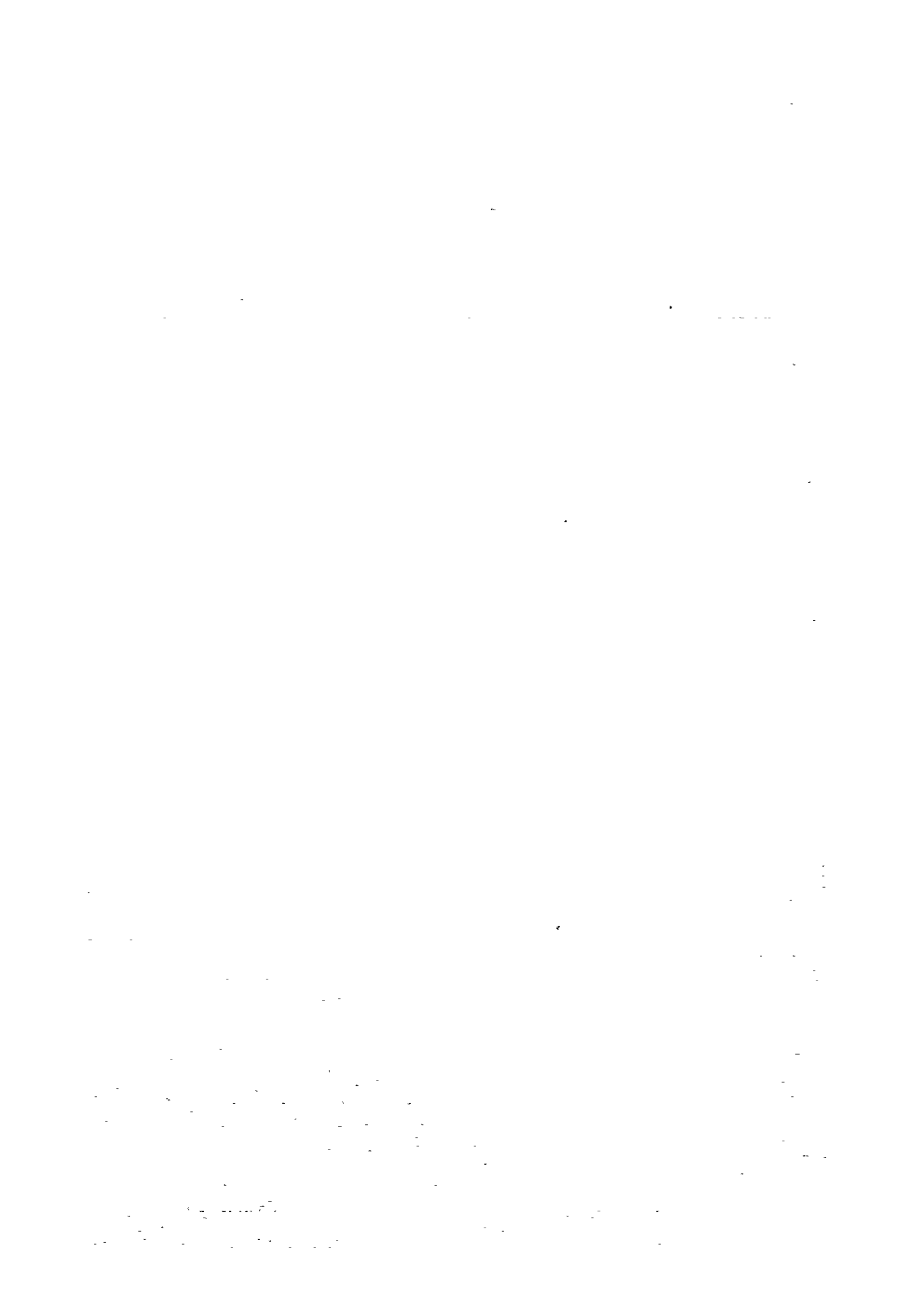


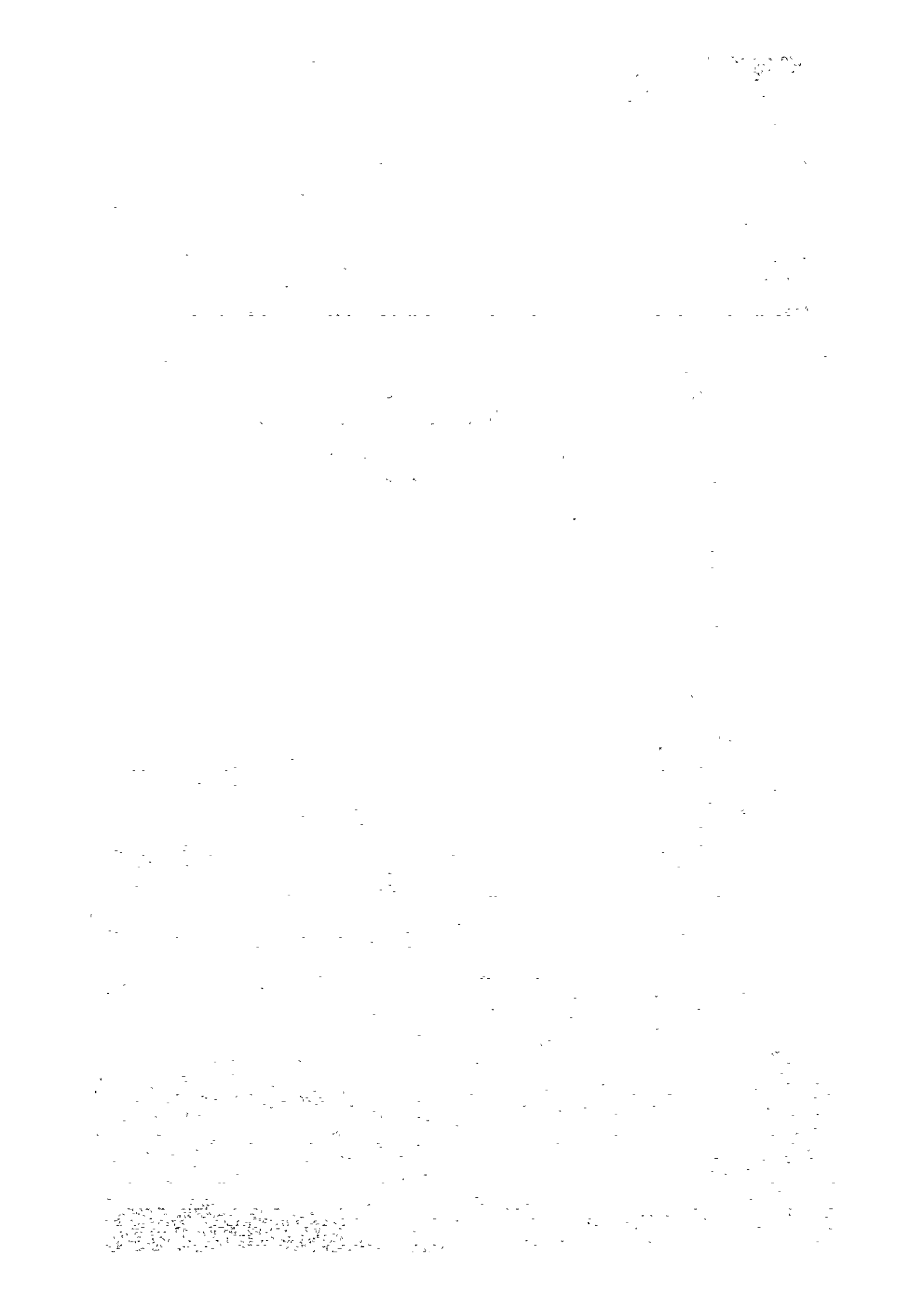
Table 4A-1 RUNWAY DIMENSION OF INTERNATIONAL AIRPORTS
IN THE MAJOR CITIES OF SOUTH EAST ASIA

| Name of Airport | RUNWAY | | REMARKS |
|---|---|--|---------------------------------------|
| | LENGTH | WIDTH | |
| BURMA / RANGOON Int'l | 2469m (8100') | 60m (200') | |
| BANGLADESH / DACCA | 2740m (8990') | | |
| INDIA / CALCATTA / DELHI BOMBAY | 3630m (11909') 3810m (12500') 3350m (10991') 2730m (8957') | | |
| SLI LANKA / COLOMBO Int'l | 3370m (11056') | 46m (151') | |
| NEPAL / KATHMANDU Int'l | 3000m (9843') 1200m (3937') | 45m (148') | |
| PAKISTAN / KARACHI Int'l | 3200m (10499') | | |
| AFGHANISTAN / KABUL | 2800m (9186') 3700m (12139') | | FUTURE PLANNING |
| THAILAND / BANGKOK Int'l | 3550m (11647') 3000m (9843') | 60m (200') 45m (148') | |
| LAO / VIENTIANE | 3000m (9843') 3000m (9843') | | FUTURE PLANNING |
| VIET-NAM / HANOI | 2000m (6562') 2810m (9219') | | FUTURE PLANNING |
| MALAYSIA / KUALA LUMPUR Int'l | 3474m (11398') | 45m (148') | |
| SINGAPORE / SINGAPORE Int'l CHANGI NEW Int'l | 4023m (13199') 4000m (13123') 3355m (11007') | 61m (200') 60m (197') 60m (197') | UNDER CONSTRUCTION FUTURE PLANNING |
| INDONESIA / JAKARTA Int'l | 3000m (9843') | | |
| HONG KONG / HONG KONG Int'l | 3400m (11155') | 60m (197') | |
| PHILIPPINES / MANILA Int'l | 3354m (11004') 2425m (7956') | 61m (200') 31m (102') | |
| CHINA / TAIPEI Int'l / TAOYUAN Int'l | 2605m (8547') 3660m (12008') 3200m (10499') 3140m (10302') | 60m (197') 60m (197') 60m (197') 45m (148') | FUTURE PLANNING FUTURE PLANNING |



APPENDIX 5A

FINNANCIAL ANALYSIS DATA



(Chapter 8, Appendix 1)

Table 5A-1 GROSS REVENUE BY THE PROJECT

(CASE 1)

| Year | (In 1979 thousand US\$) | | | | | | | Total |
|-------|-------------------------|----------------|----------------------------------|------------------|-----------------|--------------------|---------------------|--------|
| | Landing Charge | Housing Charge | Air Navigation Facilities Charge | Passenger Charge | Terminal Rental | Car Parking Charge | Fuel Service Charge | |
| 1985 | 108 | 36 | 327 | 103 | 79 | 93 | 380 | 1,126 |
| 6 | 299 | 36 | 358 | 117 | 289 | 102 | 437 | 1,638 |
| 7 | 364 | 36 | 385 | 132 | 289 | 111 | 494 | 1,811 |
| 8 | 475 | 51 | 385 | 149 | 289 | 122 | 551 | 2,022 |
| 9 | 581 | 61 | 378 | 168 | 289 | 131 | 608 | 2,216 |
| 1990 | 648 | 68 | 403 | 190 | 289 | 143 | 665 | 2,406 |
| 1 | 798 | 98 | 400 | 213 | 289 | 154 | 749 | 2,701 |
| 2 | 887 | 98 | 427 | 239 | 289 | 166 | 829 | 2,935 |
| 3 | 985 | 98 | 454 | 268 | 289 | 180 | 910 | 3,184 |
| 4 | 1,140 | 88 | 419 | 300 | 289 | 195 | 992 | 3,423 |
| 1995 | 1,236 | 101 | 382 | 334 | 289 | 210 | 1,074 | 3,626 |
| 6 | 1,345 | 101 | 405 | 372 | 529 | 227 | 1,186 | 4,165 |
| 7 | 1,474 | 107 | 433 | 412 | 529 | 243 | 1,299 | 4,497 |
| 8 | 1,604 | 111 | 457 | 457 | 529 | 261 | 1,411 | 4,830 |
| 9 | 1,715 | 111 | 480 | 507 | 529 | 281 | 1,524 | 5,147 |
| 2000 | 1,857 | 119 | 509 | 562 | 529 | 303 | 1,636 | 5,515 |
| 1 | 2,026 | 119 | 538 | 620 | 529 | 323 | 1,773 | 5,928 |
| 2 | 2,166 | 130 | 559 | 680 | 529 | 346 | 1,991 | 6,401 |
| 3 | 2,332 | 133 | 585 | 747 | 529 | 369 | 2,048 | 6,743 |
| 4 | 2,497 | 133 | 612 | 819 | 529 | 396 | 2,186 | 7,172 |
| 2005 | 2,630 | 139 | 636 | 900 | 529 | 423 | 2,323 | 7,580 |
| TOTAL | 27,167 | 1,974 | 9,532 | 8,289 | 8,259 | 4,779 | 25,066 | 85,066 |

(Chapter 8, Appendix 2)

Table 5A-2 GROSS REVENUE BY THE PROJECT
(CASE 2)

| Year | (In 1979 thousand US\$) | | | | | | | Total |
|-------|-------------------------|----------------|----------------------------------|------------------|-----------------|--------------------|---------------------|--------|
| | Landing Charge | Housing Charge | Air Navigation Facilities Charge | Passenger Charge | Terminal Rental | Car Parking Charge | Fuel Service Charge | |
| 1985 | 108 | 36 | 327 | 103 | 79 | 93 | 380 | 1,126 |
| 6 | 299 | 36 | 358 | 117 | 289 | 102 | 437 | 1,638 |
| 7 | 364 | 36 | 385 | 132 | 289 | 111 | 494 | 1,811 |
| 8 | 475 | 51 | 385 | 149 | 289 | 122 | 551 | 2,022 |
| 9 | 581 | 61 | 378 | 168 | 289 | 131 | 608 | 2,216 |
| 1990 | 648 | 68 | 403 | 190 | 289 | 143 | 665 | 2,406 |
| 1 | 798 | 98 | 400 | 213 | 289 | 154 | 749 | 2,701 |
| 2 | 887 | 98 | 427 | 239 | 289 | 166 | 829 | 2,935 |
| 3 | 985 | 98 | 454 | 268 | 289 | 180 | 910 | 3,184 |
| 4 | 1,140 | 88 | 419 | 300 | 289 | 195 | 992 | 3,423 |
| 1995 | 1,247 | 101 | 383 | 336 | 289 | 211 | 1,126 | 3,693 |
| 6 | 1,361 | 101 | 407 | 373 | 529 | 227 | 1,251 | 4,249 |
| 7 | 1,496 | 107 | 435 | 414 | 529 | 244 | 1,376 | 4,601 |
| 8 | 1,628 | 111 | 460 | 459 | 529 | 262 | 1,500 | 4,949 |
| 9 | 1,728 | 111 | 481 | 510 | 529 | 282 | 1,625 | 5,266 |
| 2000 | 1,881 | 119 | 511 | 565 | 529 | 304 | 1,750 | 5,659 |
| 1 | 2,055 | 119 | 541 | 622 | 529 | 324 | 1,907 | 6,097 |
| 2 | 2,199 | 130 | 562 | 684 | 529 | 347 | 2,064 | 6,515 |
| 3 | 2,369 | 133 | 589 | 753 | 529 | 371 | 2,220 | 6,964 |
| 4 | 2,539 | 133 | 616 | 828 | 529 | 398 | 2,377 | 7,420 |
| 2005 | 2,676 | 139 | 641 | 911 | 529 | 426 | 2,534 | 7,856 |
| TOTAL | 27,464 | 1,974 | 9,562 | 8,334 | 8,259 | 4,793 | 26,345 | 86,731 |

Table 5A-3 CASH FLOW OF FINANCIAL COSTS AND REVENUE OF RIA
WITH ASSUMPTION OF 2.5 TIMES AS CURRENT CHARGE

CASE 1

| Year | Costs | | Revenue | | Cumulative Balance |
|-------|----------------------|---------------------|---------------|----------------------|-----------------------|
| | Construction Cost | Maintenance Cost | Total Revenue | Operation Surplus | |
| 1980 | 13,667 | | | | -13,667 |
| 1 | 13,667 | | | | -27,334 |
| 2 | 13,667 | | | | -41,001 |
| 3 | 13,667 | | | | -54,668 |
| 4 | 13,667 | | | | -68,335 |
| 1985 | 13,667 | | 151 | 151 | -81,851 |
| 6 | 13,667 | 1,640 | 1,431 | -209 | -95,727 |
| 7 | | 1,913 | 1,864 | -49 | -95,777 |
| 8 | | 1,913 | 2,391 | 478 | -95,298 |
| 9 | 6,450 | 1,913 | 2,876 | 963 | -100,785 |
| 1990 | 6,450 | 1,913 | 3,351 | 1,438 | -105,797 |
| 1 | 6,450 | 1,913 | 4,089 | 2,176 | -110,071 |
| 2 | 6,450 | 1,913 | 4,674 | 2,761 | -113,760 |
| 3 | 6,450 | 1,913 | 5,296 | 3,383 | -116,827 |
| 4 | 6,450 | 1,913 | 5,894 | 3,981 | -119,296 |
| 1995 | 6,450 | 1,913 | 7,104 | 5,191 | -120,555 |
| 6 | | 2,816 | 7,852 | 5,036 | -115,519 |
| 7 | | 2,816 | 8,682 | 5,866 | -109,653 |
| 8 | | 2,816 | 9,514 | 6,698 | -102,955 |
| 9 | | 2,816 | 10,307 | 7,491 | -95,464 |
| 2000 | | 2,816 | 11,227 | 8,411 | -87,053 |
| 1 | | 2,816 | 12,259 | 9,443 | -77,610 |
| 2 | | 2,816 | 13,242 | 10,426 | -67,184 |
| 3 | | 2,816 | 14,297 | 11,481 | -55,703 |
| 4 | | 2,816 | 15,369 | 12,553 | -43,104 |
| 5 | | 2,816 | 16,389 | 13,573 | -29,577 |
| TOTAL | 140,819 | 47,017 | 158,259 | 111,340 | -29,577 |

Residual Value = 22,575

Net Loss = -7,002

Table 5A-4 CASH FLOW OF FINANCIAL COSTS AND REVENUE OF RIA
WITH ASSUMPTION OF 2.5 TIMES AS CURRENT CHARGE

CASE 2

| Year | Costs | | Revenue | | Operation Surplus | Cumulative Balance |
|-------|----------------------|---------------------|---------|---------|----------------------|-----------------------|
| | Construction Cost | Maintenance Cost | Total | Revenue | | |
| 1980 | 13,641 | | | | | -13,641 |
| 1 | 13,641 | | | | | -27,282 |
| 2 | 13,641 | | | | | -40,923 |
| 3 | 13,641 | | | | | -54,564 |
| 4 | 13,641 | | | | | -68,205 |
| 1985 | 13,641 | | | 151 | 151 | -81,695 |
| 6 | 13,641 | 1,637 | 1,431 | | -206 | -95,542 |
| 7 | | 1,910 | 1,864 | | -46 | -95,588 |
| 8 | | 1,910 | 2,391 | | 481 | -95,107 |
| 9 | 7,781 | 1,910 | 2,876 | | 966 | -101,922 |
| 1990 | 7,781 | 1,910 | 3,351 | | 1,441 | -108,262 |
| 1 | 7,781 | 1,910 | 4,089 | | 2,179 | -113,864 |
| 2 | 7,781 | 1,910 | 4,674 | | 2,764 | -118,881 |
| 3 | 7,781 | 1,910 | 5,296 | | 3,386 | -123,276 |
| 4 | 7,781 | 1,910 | 5,894 | | 3,984 | -127,073 |
| 1995 | 7,781 | 1,910 | 7,272 | | 5,362 | -129,492 |
| 6 | | 2,999 | 8,062 | | 5,063 | -124,429 |
| 7 | | 2,999 | 8,942 | | 5,943 | -118,486 |
| 8 | | 2,999 | 9,812 | | 6,813 | -111,673 |
| 9 | | 2,999 | 10,604 | | 7,605 | -104,068 |
| 2000 | | 2,999 | 11,587 | | 8,588 | -95,480 |
| 1 | | 2,999 | 12,682 | | 9,683 | -85,797 |
| 2 | | 2,999 | 13,727 | | 10,728 | -75,069 |
| 3 | | 2,999 | 14,849 | | 11,850 | -63,219 |
| 4 | | 2,999 | 15,989 | | 12,990 | -50,229 |
| 2005 | | 2,999 | 17,079 | | 14,080 | -36,149 |
| TOTAL | 149,954 | 48,817 | 162,622 | | 113,805 | -36,149 |

Residual Value = 27,234

Net Loss = -8,915

APPENDIX 6A
ECONOMIC ANALYSIS DATA

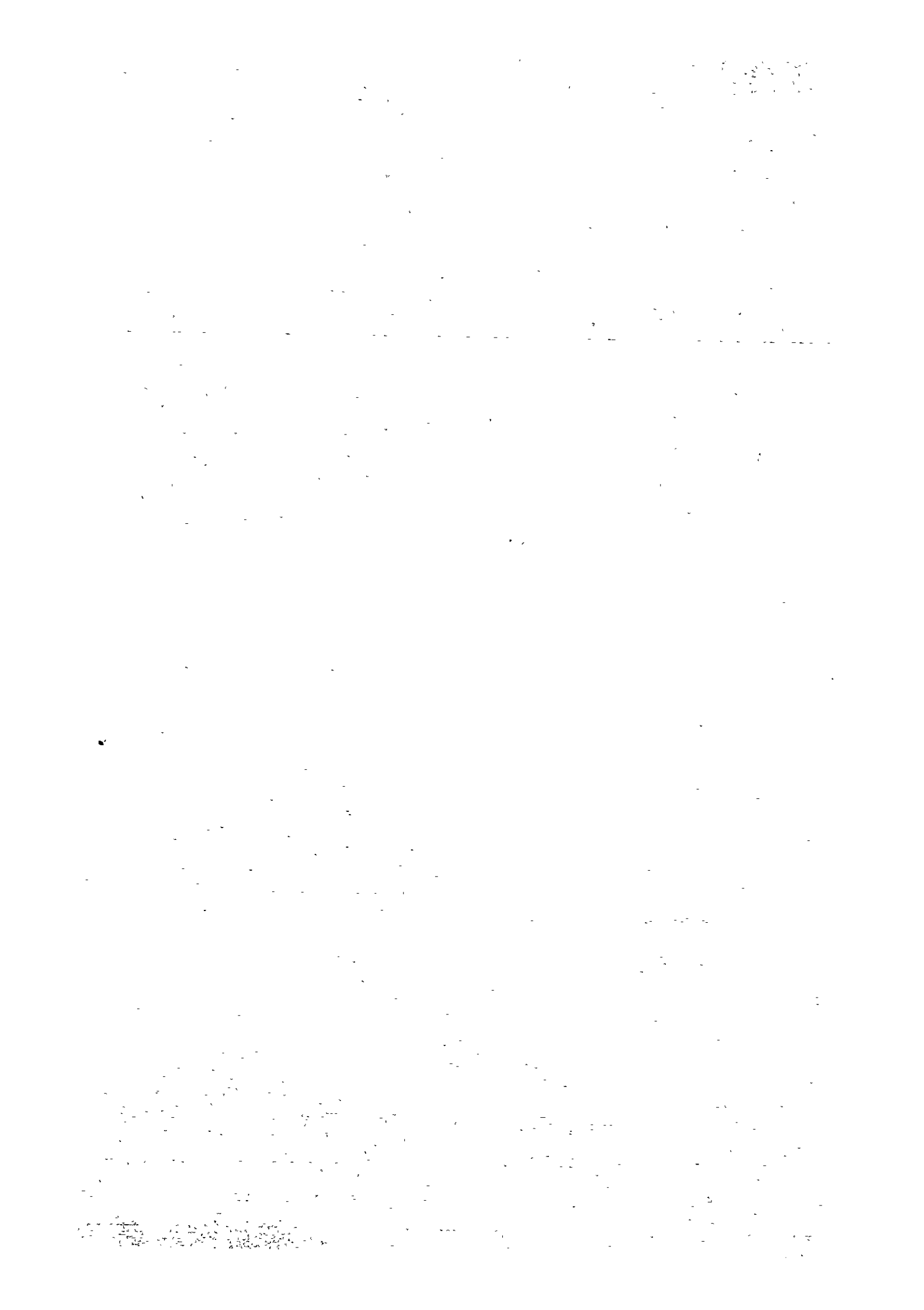


Table 6A-1 FORECASTS OF TOURISM INCOME, AIRPORT REVENUE
AND FUEL REVENUE

(1,000 US\$)

| Year | Case 1 | | | Case 2 | | |
|------|-------------------|--------------------|-----------------|-------------------|--------------------|-----------------|
| | Tourism Income | Airport Revenue | Fuel Revenue | Tourism Income | Airport Revenue | Fuel Revenue |
| 1985 | 5,927 | 142 | 1,668 | 5,927 | 142 | 1,668 |
| 1986 | 6,697 | 171 | 2,003 | 6,697 | 171 | 2,003 |
| 1987 | 7,574 | 198 | 2,338 | 7,574 | 198 | 2,338 |
| 1988 | 8,560 | 227 | 2,672 | 8,560 | 227 | 2,672 |
| 1989 | 9,667 | 255 | 3,007 | 9,667 | 255 | 3,007 |
| 1990 | 10,922 | 269 | 3,341 | 10,922 | 269 | 3,341 |
| 1991 | 12,232 | 330 | 3,877 | 12,232 | 330 | 3,877 |
| 1992 | 13,703 | 391 | 4,412 | 13,703 | 391 | 4,412 |
| 1993 | 15,350 | 453 | 4,948 | 15,350 | 453 | 4,948 |
| 1994 | 17,200 | 486 | 5,481 | 17,200 | 486 | 5,481 |
| 1995 | 19,130 | 546 | 6,266 | 19,265 | 534 | 6,017 |
| 1996 | 21,236 | 597 | 7,136 | 21,371 | 588 | 6,939 |
| 1997 | 23,599 | 646 | 8,005 | 23,734 | 639 | 7,860 |
| 1998 | 26,069 | 697 | 8,875 | 26,339 | 692 | 8,782 |
| 1999 | 28,972 | 742 | 10,003 | 29,242 | 729 | 9,704 |
| 2000 | 32,171 | 788 | 10,308 | 32,441 | 786 | 10,624 |
| 2001 | 35,411 | 928 | 11,811 | 35,681 | 927 | 12,228 |
| 2002 | 38,853 | 1,051 | 13,346 | 39,258 | 1,053 | 13,833 |
| 2003 | 42,634 | 1,176 | 14,859 | 43,174 | 1,177 | 15,436 |
| 2004 | 46,819 | 1,313 | 16,380 | 47,494 | 1,316 | 17,040 |
| 2005 | 51,571 | 1,429 | 17,096 | 52,246 | 1,454 | 18,644 |

Table 6A-2 VISITOR EXPENDITURES IN US\$ 1978

| | <u>Total</u> | <u>Per Diem Expenditures</u> | <u>Average Amount Spent per Visit</u> |
|------------------------------------|---------------|------------------------------|---------------------------------------|
| <u>South Asia</u> | | | |
| Sri Lanka | 55,800,000 | \$27 | \$289 |
| <u>Southeast Asia</u> | | | |
| Indonesia | 230,000,000 | 70 | 491 |
| *Philippines | 624,781,000 | 79 | 727 |
| Singapore | 443,180,000 | 60 | 217 |
| Thailand | 400,000,000 | 57 | 275 |
| Burma | 4,547,000 | 43 | 208 |
| <u>East Asia</u> | | | |
| Republic of China | 608,000,000 | 71 | 478 |
| Hong Kong | 996,520,000 | 124 | 485 |
| *Japan | 1,230,652,000 | 106 | 197 |
| Macau | 90,273,000 | 104 | 167 |
| <u>Australia/New Zealand</u> | | | |
| New Zealand | 165,700,000 | n.a. | 407 |
| <u>South & Central Pacific</u> | | | |
| Cook Islands | 4,500,000 | 31 | 262 |
| Guam | 110,000,000 | 124 | 472 |
| *Micronesia | 2,400,000 | 35 | 104 |
| New Hebrides | 11,000,000 | 43 | 403 |
| Papua New Guinea | 20,534,582 | n.a. | 523 |
| *Tahiti | 59,650,000 | 87 | 635 |
| Hawaii | 2,188,000,000 | 63 | 596 |

* Philippines, Figures derived from a limited visitor survey.

* Japan, These expenditure figures based on surveys not bank figures

* Micronesia. Visitor expenditures in Northern Marianas not included.

* Tahiti. Total visitor expenditures derived by applying average amount per visit to the total number of visitor arrivals.

Source: PATA Annual Tourism Survey of National Tourist Offices.
(except Burma)

Table 6A-3 AVERAGE LENGTH OF STAY (DAYS), 1978

| | <u>Average</u> |
|------------------------------------|----------------|
| <u>South Asia</u> | |
| Sri Lanka | 10.8 |
| <u>Southeast Asia</u> | |
| Indonesia | 7.0 |
| Philippines | 9.2 |
| Singapore | 3.6 |
| Thailand | 4.84 |
| Burma | 4.8 |
| <u>East Asia</u> | |
| Republic of China | 6.75 |
| Hong Kong | 3.9 |
| Japan | 11.3 |
| Macau | 1.6 |
| <u>South & Central Pacific</u> | |
| Cook Islands | 8.4 |
| Guam | 3.8 |
| Micronesia | 3.0 |
| New Caledonia | 5.8 |
| New Hebrides | 9.3 |
| Tahiti | 7.3 |
| Hawaii | 9.5 |

Source: PATA Annual Tourism Survey of National Tourists Offices (except Burma)

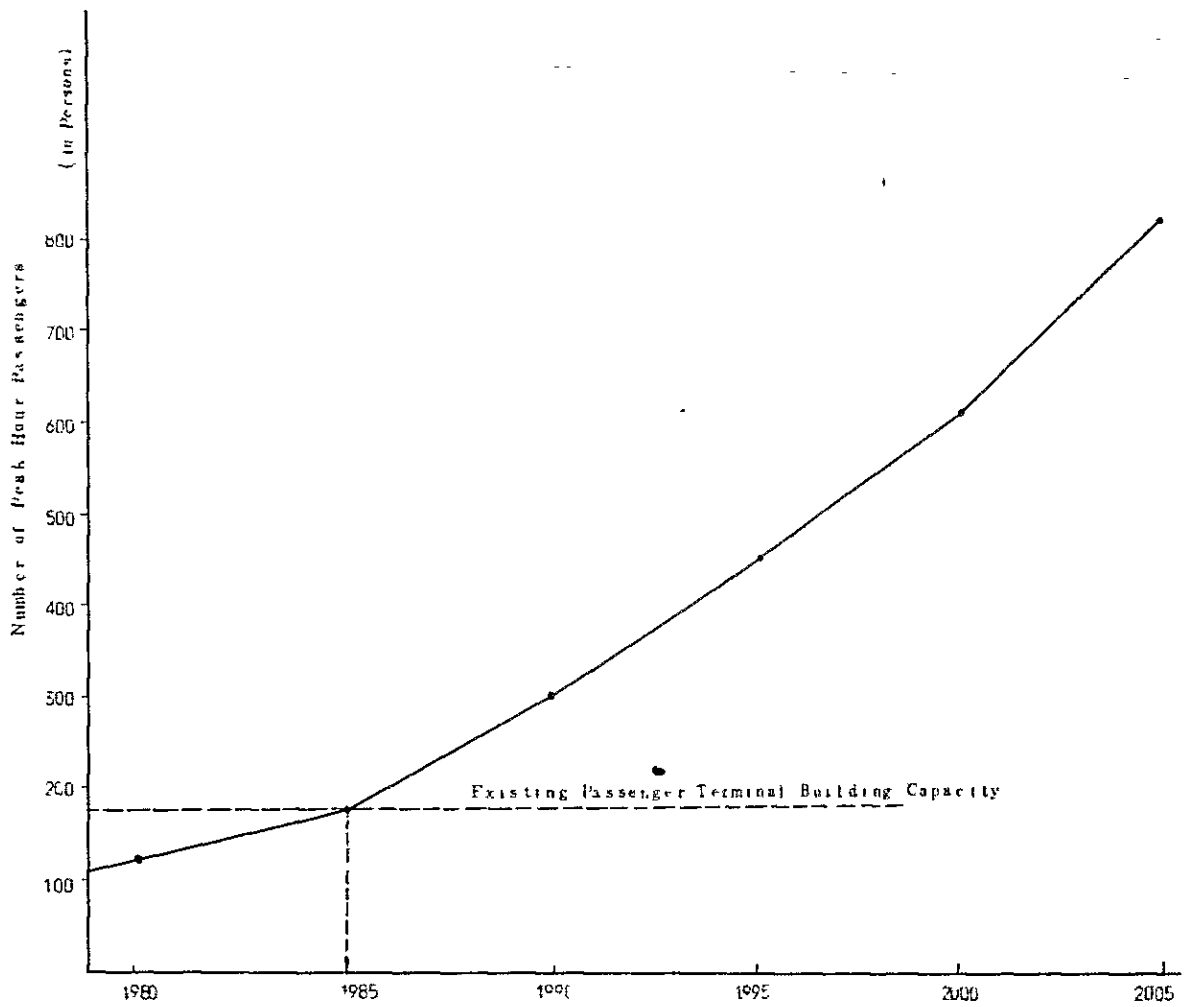


Fig 6A-1 THE FORECAST OF NUMBER OF PEAK HOUR PASSENGERS AT RANGOON INTERNATIONAL AIRPORT

Table 6A-4 HOURLY PROCESSING CAPACITY OF
THE EXISTING PASSENGER TERMINAL
BUILDING

| | Area (Ft ²) | Hourly Processing Capacity (Person/Hour) |
|---------------|-------------------------|---|
| International | 50,680 | 186 |
| Domestic | 24,700 | 154 |

Table 6A-5 (CASE 1)

FORECASTS OF THE BASE CASE DEMAND AND
OVERFLOWING PASSENGER TRAFFIC ACCOMMODATED
AT RANGOON INTERNATIONAL AIRPORT

(In thousand persons)

| Year | Base Case Passenger Traffic | | | Overflowing Passengers | | |
|------|-----------------------------|-----------------------|-------|----------------------------|-----------------------|-------|
| | International Passenger | Domestic Passenger | Total | International Passenger | Domestic Passenger | Total |
| 1985 | 193 | 427 | 620 | 0 | 0 | 0 |
| 1986 | 193 | 427 | 620 | 40 | 35 | 75 |
| 1987 | 193 | 427 | 620 | 82 | 70 | 152 |
| 1988 | 193 | 427 | 620 | 125 | 104 | 229 |
| 1989 | 193 | 427 | 620 | 171 | 139 | 310 |
| 1990 | 193 | 427 | 620 | 220 | 173 | 393 |
| 1991 | 193 | 427 | 620 | 278 | 214 | 492 |
| 1992 | 193 | 427 | 620 | 340 | 254 | 594 |
| 1993 | 193 | 427 | 620 | 405 | 295 | 700 |
| 1994 | 193 | 427 | 620 | 473 | 337 | 810 |
| 1995 | 193 | 427 | 620 | 534 | 375 | 909 |
| 1996 | 193 | 427 | 620 | 612 | 420 | 1,032 |
| 1997 | 193 | 427 | 620 | 697 | 465 | 1,162 |
| 1998 | 193 | 427 | 620 | 783 | 509 | 1,292 |
| 1999 | 193 | 427 | 620 | 877 | 553 | 1,430 |
| 2000 | 193 | 427 | 620 | 975 | 597 | 1,572 |
| 2001 | 193 | 427 | 620 | 1,081 | 642 | 1,723 |
| 2002 | 193 | 427 | 620 | 1,193 | 687 | 1,880 |
| 2003 | 193 | 427 | 620 | 1,312 | 731 | 2,043 |
| 2004 | 193 | 427 | 620 | 1,437 | 775 | 2,212 |
| 2005 | 193 | 427 | 620 | 1,571 | 819 | 2,390 |

Table 6A-6 (CASE 2)
 FORECASTS OF THE BASE CASE DEMAND AND
 OVERFLOWING PASSENGER TRAFFIC AT
 RANGOON INTERNATIONAL AIRPORT

(In thousand persons)

| Year | Base Case Passenger Traffic | | | Overflowing Passengers | | |
|------|-----------------------------|--------------------|-------|-------------------------|--------------------|-------|
| | International Passenger | Domestic Passenger | Total | International Passenger | Domestic Passenger | Total |
| 1985 | 193 | 427 | 620 | 0 | 0 | 0 |
| 1986 | 193 | 427 | 620 | 40 | 35 | 75 |
| 1987 | 193 | 427 | 620 | 82 | 70 | 152 |
| 1988 | 193 | 427 | 620 | 125 | 104 | 229 |
| 1989 | 193 | 427 | 620 | 171 | 139 | 310 |
| 1990 | 193 | 427 | 620 | 220 | 173 | 393 |
| 1991 | 193 | 427 | 620 | 278 | 214 | 492 |
| 1992 | 193 | 427 | 620 | 340 | 254 | 594 |
| 1993 | 193 | 427 | 620 | 405 | 295 | 700 |
| 1994 | 193 | 427 | 620 | 473 | 337 | 810 |
| 1995 | 193 | 427 | 620 | 545 | 375 | 920 |
| 1996 | 193 | 427 | 620 | 626 | 420 | 1,046 |
| 1997 | 193 | 427 | 620 | 713 | 465 | 1,178 |
| 1998 | 193 | 427 | 620 | 803 | 509 | 1,312 |
| 1999 | 193 | 427 | 620 | 899 | 553 | 1,452 |
| 2000 | 193 | 427 | 620 | 999 | 597 | 1,596 |
| 2001 | 193 | 427 | 620 | 1,110 | 642 | 1,752 |
| 2002 | 193 | 427 | 620 | 1,227 | 687 | 1,914 |
| 2003 | 193 | 427 | 620 | 1,349 | 731 | 2,080 |
| 2004 | 193 | 427 | 620 | 1,479 | 775 | 2,254 |
| 2005 | 193 | 427 | 620 | 1,616 | 819 | 2,435 |

Table 6A-7 ESTIMATED CONSTRUCTION COST IN ECONOMIC COST CALCULATION
CASE-1 Phase I

(In 1979 thousand US\$)

| Item | Foreign Portion | | Local Portion | | | | Grand Total | |
|-------------------|--------------------------|---------------|---------------|---------------------------|---------|---------|-------------|-----------|
| | Foreign Goods & Services | Skilled Labor | Total | Labor | | Total | | |
| | | | | Domestic Goods & Services | Skilled | | | Unskilled |
| Construction Cost | 4,0454.7 | 3,535.4 | 43,990.1 | 19,262.3 | 2,724.5 | 1,183.7 | 23,170.5 | 67,160.6 |
| Engineering | | | 4,399.0 | | | | 2,317.1 | 6,716.1 |
| Contingency | | | 4,399.0 | | | | 2,317.0 | 6,716.0 |
| Grand Total | | | 52,788.1 | | | | 27,804.6 | 80,592.7 |

Table 6A-8 ESTIMATED CONSTRUCTION COST IN ECONOMIC COST CALCULATION
CASE-1 Phase II

(In 1979 thousand US\$)

| Item | Foreign Portion | | | Local Portion | | | | Grand Total |
|-------------------|--------------------------|---------------|----------|---------------------------|---------|-----------|---------|-------------|
| | Foreign Goods & Services | Skilled Labor | Total | Domestic Goods & Services | Labor | | Total | |
| | | | | | Skilled | Unskilled | | |
| Construction Cost | 21,200.5 | 2,635.4 | 23,835.9 | 5,513.2 | 2,181.6 | 335.1 | 8,029.9 | 31,865.8 |
| Engineering | | | 2,383.6 | | | | 803.0 | 3,186.6 |
| Contingency | | | 2,383.4 | | | | 803.0 | 3,186.4 |
| Grand Total | | | 28,602.9 | | | | 9,635.9 | 38,238.8 |

Table 6A-9 ESTIMATED CONSTRUCTION COST IN ECONOMIC COST CALCULATION
CASE-2 Phase I

(In 1979 thousand US\$)

| Item | Foreign Portion | | | Local Portion | | | Grand Total | |
|-------------------|--------------------------|---------------|----------|---------------------------|---------|-----------|-------------|----------|
| | Foreign Goods & Services | Skilled Labor | Total | Domestic Goods & Services | Labor | | | |
| | | | | | Skilled | Unskilled | | Total |
| Construction Cost | 40,072.7 | 3,535.4 | 43,608.1 | 19,533.9 | 2,708.6 | 1,157.6 | 23,400.1 | 67,008.2 |
| Engineering | | | 4,360.8 | | | | 2,340.0 | 6,700.8 |
| Contingency | | | 4,360.8 | | | | 2,340.0 | 6,700.8 |
| Grand Total | | | 52,329.7 | | | | 28,080.1 | 80,409.8 |

Table 6A-10 ESTIMATED CONSTRUCTION COST IN ECONOMIC COST CALCULATION
CASE-2 Phase II

(In 1979 thousand US\$)

| Item | Foreign Portion | | | Local portion | | | Grand Total | |
|-------------------|--------------------------|---------------|----------|---------------------------|---------|-----------|-------------|----------|
| | Foreign Goods & Services | Skilled Labor | Total | Domestic Goods & Services | Labor | | | |
| | | | | | Skilled | Unskilled | | |
| Construction Cost | 24,937.9 | 2,711.2 | 27,649.1 | 7,817.8 | 2,308.3 | 731.4 | 10,857.5 | 38,506.6 |
| Engineering | | | 2,764.9 | | | | 1,085.7 | 3,850.6 |
| Contingency | | | 2,765.0 | | | | 1,085.6 | 3,850.6 |
| Grand Total | | | 33,179.0 | | | | 13,028.8 | 46,207.8 |

Table 6A-11 ESTIMATE BENEFITS OF SATISFIED TRIP DEMAND
OF OVERFLOWING PASSENGERS

(In 1979 thousand dollars)

| Year | Benefits of overflowing passengers forced to give up their trips | Benefits of overflowing passengers who continue their trips by other traffics | Total |
|------|--|---|--------|
| 1985 | 0 | 0 | 0 |
| 1986 | 55 | 109 | 164 |
| 1987 | 130 | 260 | 390 |
| 1988 | 230 | 459 | 689 |
| 1989 | 358 | 717 | 1,075 |
| 1990 | 518 | 1,036 | 1,554 |
| 1995 | 1,705 | 3,410 | 5,115 |
| 2000 | 3,453 | 6,905 | 10,358 |
| 2005 | 4,869 | 9,738 | 14,607 |

Table 6A-12 ESTIMATE OF TIME VALUE OF
RESIDENT AIR PASSENGER

| Year | US\$ |
|------|------|
| 1978 | 0.5 |
| 1985 | 0.7 |
| 1990 | 0.9 |
| 1995 | 1.3 |
| 2000 | 1.7 |
| 2005 | 2.2 |

Table 6A-13 (CASE 1)
FORECAST BENEFIT OF TIME SAVING
BY DIRECT FLIGHT

(In thousand U.S.\$)

| Year | Time Saving Increment by Direct Flight |
|------|---|
| 1985 | 0 |
| 1986 | 3 |
| 1987 | 8 |
| 1988 | 12 |
| 1989 | 18 |
| 1990 | 25 |
| 1995 | 86 |
| 2000 | 213 |
| 2005 | 475 |

Table 6A-14 (CASE 2)
FORECAST BENEFIT OF TIME SAVING
BY DIRECT FLIGHT

(In thousand U.S.\$)

| Year | Time Saving Increment by Direct Flight |
|------|---|
| 1985 | 0 |
| 1986 | 3 |
| 1987 | 8 |
| 1988 | 12 |
| 1989 | 18 |
| 1990 | 25 |
| 1995 | 86 |
| 2000 | 215 |
| 2005 | |

Table 6A-15 (CASE 1)
FORECAST OF NET INCREASE IN TOURISM INCOME

(In thousand persons, thousand US\$)

| Year | Number of Overflowing Visitor | Net Increase in Tourist Income |
|------|----------------------------------|-----------------------------------|
| 1985 | 0 | 0 |
| 1986 | 6 | 770 |
| 1987 | 12 | 1,647 |
| 1988 | 20 | 2,633 |
| 1989 | 28 | 3,740 |
| 1990 | 37 | 4,995 |
| 1995 | 98 | 13,203 |
| 2000 | 195 | 26,244 |
| 2005 | 338 | 45,644 |

Table 6A-16 (CASE 2)
FORECAST OF NET INCREASE IN TOURISM INCOME

(In thousand persons, thousand US\$)

| Year | Number of Overflowing Visitor | Net Increase in Tourist Income |
|------|----------------------------------|-----------------------------------|
| 1985 | 0 | 0 |
| 1986 | 6 | 770 |
| 1987 | 12 | 1,647 |
| 1988 | 20 | 2,633 |
| 1989 | 28 | 3,740 |
| 1990 | 37 | 4,995 |
| 1995 | 99 | 13,338 |
| 2000 | 197 | 26,514 |
| 2005 | 343 | 46,319 |

Table 6A-17 LANDING CHARGE BY TYPE OF AIRCRAFT AT RIA

(In U.S. Dollar)

| Type of Aircraft | Landing Charge |
|------------------|----------------|
| 360 Seater | 473 |
| 250 | 473 |
| 170 | 473 |
| 120 | 189 |
| 60 | 32 |
| 40 | 32 |
| 20 non-jet | 7 |

Table 6A-18 (CASE 1)
FORECAST OF AIRPORT REVENUE INCREMENT
BY FOREIGN AIRCRAFT

(In thousand U.S. Dollars)

| Year | Airport Revenue Increment by Foreign Aircraft |
|------|--|
| 1985 | 0 |
| 1986 | 29 |
| 1987 | 56 |
| 1988 | 85 |
| 1989 | 113 |
| 1990 | 127 |
| 1995 | 404 |
| 2000 | 646 |
| 2005 | 1,287 |

Table 6A-19 (CASE 2)
FORECAST OF AIRPORT REVENUE INCREMENT
BY FOREIGN AIRCRAFT

(In thousand U.S. Dollars)

| Year | Airport Revenue Increment by Foreign Aircraft |
|------|--|
| 1985 | 0 |
| 1986 | 29 |
| 1987 | 56 |
| 1988 | 85 |
| 1989 | 113 |
| 1990 | 127 |
| 1995 | 392 |
| 2000 | 644 |
| 2005 | 1,312 |

Table 6A-20 ESTIMATED FUEL CONSUMPTION BY
TYPE OF AIRCRAFT BY ROUTE

(In 1,000 lbs.)

| Route | 360 Seater | 250 Seater | 170 Seater | 120 Seater | 60 Seater |
|----------------|------------|------------|------------|------------|-----------|
| RGN - ROME | 358.7 | 244.0 | 214.2 | 145.2 | 72.9 |
| - ATHENS | 330.6 | 224.9 | 197.4 | 133.8 | 67.2 |
| - BAGHDAD | 239.1 | 162.7 | 142.8 | 96.8 | 48.6 |
| - TEHRAN | 196.9 | 134.0 | 117.6 | 79.7 | 40.0 |
| - KARACHI | 119.6 | 81.3 | 71.4 | 48.4 | 24.3 |
| - DACCA | 21.1 | 14.4 | 12.6 | 8.5 | 4.3 |
| - BOMBAY | 98.5 | 67.0 | 58.8 | 39.9 | 20.0 |
| - CALCUTTA | 21.1 | 14.4 | 12.6 | 8.5 | 4.3 |
| - DELHI | 84.4 | 57.4 | 50.4 | 34.2 | 17.2 |
| - BANGKOK | 14.1 | 9.6 | 8.4 | 5.7 | 2.9 |
| - SINGAPORE | 91.4 | 62.2 | 54.6 | 37.0 | 18.6 |
| - KUALA LUMPUR | 77.4 | 52.6 | 46.2 | 31.3 | 15.7 |
| - JAKARTA | 112.5 | 76.5 | 67.2 | 45.6 | 22.9 |
| - KUNGMIN | 49.2 | 33.5 | 29.4 | 19.9 | 10.0 |
| - VIENTIANE | 28.1 | 19.1 | 16.8 | 11.4 | 5.7 |
| - HONG KONG | 84.4 | 57.4 | 50.4 | 34.2 | 17.2 |
| - MANILA | 133.6 | 90.9 | 79.8 | 54.1 | 27.2 |
| - TOKYO | 246.2 | 167.4 | 147.0 | 99.7 | 50.1 |

Table 6A-21 (CASE 1)
FORECAST OF FUEL SUPPLY REVENUE INCREMENT
BY FOREIGN AIRCRAFT

(In thousand US\$)

| Year | Fuel Supply Revenue Increment by Foreign Aircraft |
|------|--|
| 1985 | 335 |
| 1986 | 670 |
| 1987 | 1,004 |
| 1988 | 1,339 |
| 1989 | 1,673 |
| 1990 | 2,209 |
| 1995 | 4,597 |
| 2000 | 8,640 |
| 2005 | 15,428 |

Table 6A-22 (CASE 2)
FORECAST OF FUEL SUPPLY REVENUE INCREMENT
BY FOREIGN AIRCRAFT

(In thousand US\$)

| Year | Fuel Supply Revenue Increment by Foreign Aircraft |
|------|--|
| 1985 | 0 |
| 1986 | 335 |
| 1987 | 670 |
| 1988 | 1,004 |
| 1989 | 1,339 |
| 1990 | 1,673 |
| 1995 | 4,349 |
| 2000 | 8,956 |
| 2005 | 16,976 |

Table 6A-23 ESTIMATED SAVED MAINTENANCE
COST OF EXISTING FACILITIES

(In 1979 thousand US\$)

| | 1985-1994 | 1995-2005 |
|-------------------|-----------|-----------|
| Equipment & Tools | 3 | 3 |
| Buildings | - | 95 |
| Road | 8 | 16 |
| Others | 140 | 140 |
| Total | 151 | 254 |

Table 6A-24 (Case 1) CASH FLOW OF ECONOMIC COSTS AND BENEFITS OF RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT

(In 1979 thousand US\$)

| Year | Costs | | Benefits | | | | | | | | | | Discounted Cash Flow at 10% | |
|-------|------------------------|------------------------------------|----------------|---|--|---------------------------------------|------------------------------|---|---|---|-------------------|----------------|-----------------------------|----------------|
| | Construc- tion Cost | Maintenance & Operation Cost | Total Costs | Benefits of Overflying Passengers forced to Give up Their Trip | Benefits of Overflying Passengers who continue Their Trips by Other Traffic | Time Saving Increment by Direct | Net Increase in Income | Airport Reverse Increment by Foreign Aircraft | Fuel Supply Revenue Increment by Foreign Aircraft | Saved Maintenance Cost of Existing Facilities | Total Benefits | Total Costs | Total Benefits | Total Costs |
| 1980 | 11,513 | 0 | 11,513 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,466 | 0 |
| 1981 | 11,513 | 0 | 11,513 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,515 | 0 |
| 1982 | 11,513 | 0 | 11,513 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,650 | 0 |
| 1983 | 11,513 | 0 | 11,513 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,864 | 0 |
| 1984 | 11,513 | 0 | 11,513 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,149 | 0 |
| 1985 | 11,513 | 0 | 11,513 | 0 | 0 | 0 | 0 | 0 | 151 | 0 | 0 | 151 | 6,499 | 85 |
| 1986 | 11,513 | 1,382 | 12,895 | 55 | 109 | 3 | 1,013 | 29 | 335 | 151 | 1,695 | 1,695 | 6,617 | 869 |
| 1987 | 0 | 1,612 | 1,612 | 130 | 260 | 8 | 2,254 | 56 | 670 | 151 | 3,529 | 3,529 | 752 | 1,646 |
| 1988 | 0 | 1,612 | 1,612 | 230 | 459 | 12 | 3,747 | 85 | 1,004 | 151 | 5,688 | 5,688 | 684 | 2,412 |
| 1989 | 5,463 | 1,612 | 7,075 | 358 | 717 | 18 | 5,536 | 113 | 1,339 | 151 | 8,232 | 8,232 | 2,728 | 3,173 |
| 1990 | 5,463 | 1,612 | 7,075 | 518 | 1,016 | 25 | 7,689 | 127 | 1,673 | 151 | 11,219 | 11,219 | 2,480 | 3,932 |
| 1991 | 5,463 | 1,612 | 7,075 | 689 | 1,378 | 34 | 10,094 | 188 | 2,209 | 151 | 14,743 | 14,743 | 2,254 | 4,697 |
| 1992 | 5,463 | 1,612 | 7,075 | 891 | 1,783 | 43 | 12,947 | 249 | 2,744 | 151 | 18,808 | 18,808 | 2,049 | 5,448 |
| 1993 | 5,463 | 1,612 | 7,075 | 1,126 | 2,253 | 55 | 16,317 | 311 | 3,280 | 151 | 23,493 | 23,493 | 1,803 | 6,186 |
| 1994 | 5,463 | 1,612 | 7,075 | 1,397 | 2,794 | 69 | 20,302 | 344 | 3,813 | 151 | 28,870 | 28,870 | 1,694 | 6,911 |
| 1995 | 5,463 | 1,612 | 7,075 | 1,705 | 3,410 | 86 | 24,728 | 404 | 4,597 | 254 | 35,184 | 35,184 | 1,540 | 7,657 |
| 1996 | 0 | 2,377 | 2,377 | 2,003 | 4,006 | 104 | 29,820 | 455 | 5,468 | 254 | 42,110 | 42,110 | 470 | 8,331 |
| 1997 | 0 | 2,377 | 2,377 | 2,329 | 4,657 | 126 | 35,800 | 504 | 6,337 | 254 | 50,007 | 50,007 | 428 | 8,994 |
| 1998 | 0 | 2,377 | 2,377 | 2,681 | 5,363 | 149 | 42,436 | 555 | 7,207 | 254 | 58,645 | 58,645 | 389 | 9,588 |
| 1999 | 0 | 2,377 | 2,377 | 3,053 | 6,111 | 178 | 50,494 | 600 | 8,335 | 254 | 69,028 | 69,028 | 353 | 10,260 |
| 2000 | 0 | 2,377 | 2,377 | 3,453 | 6,905 | 213 | 59,803 | 646 | 8,640 | 254 | 79,914 | 79,914 | 321 | 10,798 |
| 2001 | 0 | 2,377 | 2,377 | 3,779 | 7,559 | 251 | 69,874 | 786 | 10,143 | 254 | 92,646 | 92,646 | 292 | 11,381 |
| 2002 | 0 | 2,377 | 2,377 | 4,096 | 8,192 | 295 | 81,153 | 909 | 11,678 | 254 | 106,577 | 106,577 | 266 | 11,902 |
| 2003 | 0 | 2,377 | 2,377 | 4,393 | 8,787 | 348 | 94,091 | 1,034 | 13,191 | 254 | 122,098 | 122,098 | 241 | 12,396 |
| 2004 | 0 | 2,377 | 2,377 | 4,658 | 9,316 | 405 | 109,011 | 1,171 | 14,712 | 254 | 139,527 | 139,527 | 219 | 12,877 |
| 2005 | 0 | 2,377 | 2,377 | 4,869 | 9,738 | 475 | 126,546 | 1,287 | 15,428 | 254 | 158,597 | 158,597 | 199 | 13,307 |
| Total | 118,832 | 39,660 | 158,492 | 42,416 | 84,833 | 2,897 | 803,655 | 9,853 | 122,803 | 4,304 | 1,070,761 | 1,070,761 | 75,982 | 152,850 |

Economic Internal Rate of Return (EIRR) = 16.1% Residual Value = 19,121, Net Present Value = 78,481
 Profitability Index = 2.055, Pay Back Period = 20 (years)

Table 6A-25 (Case 2) CASH FLOW OF ECONOMIC COSTS AND BENEFITS OF RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT

(In 1979 thousand US\$)

| Year | Costs | | Benefits | | | | | | | | | | Discounted Cash Flow at 10% | |
|-------|-------------------|------------------------------|-------------|---|---|---------------------------------|--------------------------------|---------------------------------------|---|---|----------------|-------------|-----------------------------|--|
| | Construction Cost | Maintenance & Operation Cost | Total Costs | Benefits of Overflying Passengers forced to give up Their Trips by Their Trip | Benefits of Overflying Passengers who continue Their Trips by Other Traffic | Time Saving Increment by Direct | Net Increase in Tourism Income | Airport Increment by Foreign Aircraft | Fuel Supply Revenue Increment by Foreign Aircraft | Saved Maintenance Cost of Existing Facilities | Total Benefits | Total Costs | Total Benefits | |
| 1980 | 11,487 | 0 | 11,487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,443 | 0 | |
| 1981 | 11,487 | 0 | 11,487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,493 | 0 | |
| 1982 | 11,487 | 0 | 11,487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,630 | 0 | |
| 1983 | 11,487 | 0 | 11,487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,846 | 0 | |
| 1984 | 11,487 | 0 | 11,487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,133 | 0 | |
| 1985 | 11,487 | 0 | 11,487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,484 | 85 | |
| 1986 | 11,487 | 1,378 | 12,865 | 55 | 109 | 3 | 1,013 | 335 | 151 | 151 | 1,695 | 6,602 | 869 | |
| 1987 | 0 | 1,608 | 1,608 | 130 | 260 | 8 | 2,254 | 670 | 151 | 151 | 3,529 | 750 | 1,646 | |
| 1988 | 0 | 1,608 | 1,608 | 230 | 459 | 12 | 3,747 | 1,004 | 151 | 151 | 5,688 | 682 | 2,412 | |
| 1989 | 6,601 | 1,608 | 8,209 | 358 | 717 | 18 | 5,536 | 1,339 | 151 | 151 | 8,232 | 3,165 | 3,173 | |
| 1990 | 6,601 | 1,608 | 8,209 | 518 | 1,036 | 25 | 7,689 | 1,673 | 151 | 151 | 11,219 | 2,877 | 3,932 | |
| 1991 | 6,601 | 1,608 | 8,209 | 689 | 1,378 | 34 | 10,094 | 2,209 | 151 | 151 | 14,743 | 2,616 | 4,697 | |
| 1992 | 6,601 | 1,608 | 8,209 | 891 | 1,783 | 43 | 12,947 | 2,744 | 151 | 151 | 18,808 | 2,378 | 5,448 | |
| 1993 | 6,601 | 1,608 | 8,209 | 1,126 | 2,253 | 55 | 16,117 | 3,280 | 151 | 151 | 23,493 | 2,162 | 6,186 | |
| 1994 | 6,601 | 1,608 | 8,209 | 1,397 | 2,794 | 69 | 20,302 | 3,813 | 151 | 151 | 28,870 | 1,965 | 6,911 | |
| 1995 | 6,601 | 1,608 | 8,209 | 1,705 | 3,410 | 86 | 24,981 | 4,349 | 254 | 254 | 35,177 | 1,787 | 7,655 | |
| 1996 | 0 | 2,532 | 2,532 | 2,003 | 4,006 | 104 | 30,083 | 5,271 | 254 | 254 | 42,167 | 501 | 8,342 | |
| 1997 | 0 | 2,532 | 2,532 | 2,129 | 4,657 | 126 | 36,073 | 6,192 | 254 | 254 | 50,128 | 455 | 9,015 | |
| 1998 | 0 | 2,532 | 2,532 | 2,681 | 5,363 | 151 | 43,005 | 7,114 | 254 | 254 | 59,118 | 414 | 9,666 | |
| 1999 | 0 | 2,532 | 2,532 | 3,056 | 6,111 | 180 | 51,086 | 8,036 | 254 | 254 | 69,310 | 376 | 10,302 | |
| 2000 | 0 | 2,532 | 2,532 | 3,453 | 6,905 | 215 | 60,419 | 8,956 | 254 | 254 | 80,846 | 342 | 10,924 | |
| 2001 | 0 | 2,532 | 2,532 | 3,779 | 7,559 | 254 | 70,514 | 10,560 | 254 | 254 | 93,705 | 311 | 11,511 | |
| 2002 | 0 | 2,532 | 2,532 | 4,096 | 8,192 | 298 | 82,151 | 12,165 | 254 | 254 | 108,067 | 283 | 12,068 | |
| 2003 | 0 | 2,532 | 2,532 | 4,393 | 8,787 | 351 | 95,475 | 13,768 | 254 | 254 | 124,063 | 257 | 12,595 | |
| 2004 | 0 | 2,532 | 2,532 | 4,658 | 9,316 | 412 | 110,810 | 15,372 | 254 | 254 | 141,996 | 234 | 13,105 | |
| 2005 | 0 | 2,532 | 2,532 | 4,869 | 9,738 | 482 | 128,418 | 16,976 | 254 | 254 | 162,049 | 212 | 13,596 | |
| Total | 126,616 | 41,170 | 167,786 | 42,416 | 84,833 | 2,926 | 812,914 | 125,856 | 4,304 | 4,304 | 1,083,054 | 78,398 | 154,138 | |

Economic Internal Rate of Return (EIRR) = 16.0% Residual Value = 23,104, Net Present Value = 77,689
 Profitability Index = 2.016, Pay Back Period = 20 (years)

1000

1000

1000

1000

SOCIALIST REPUBLIC
OF
THE UNION OF BURMA

RANGOON INTERNATIONAL AIRPORT DEVELOPMENT
FEASIBILITY STUDY

FACILITY PLAN DRAWINGS

MARCH 1980

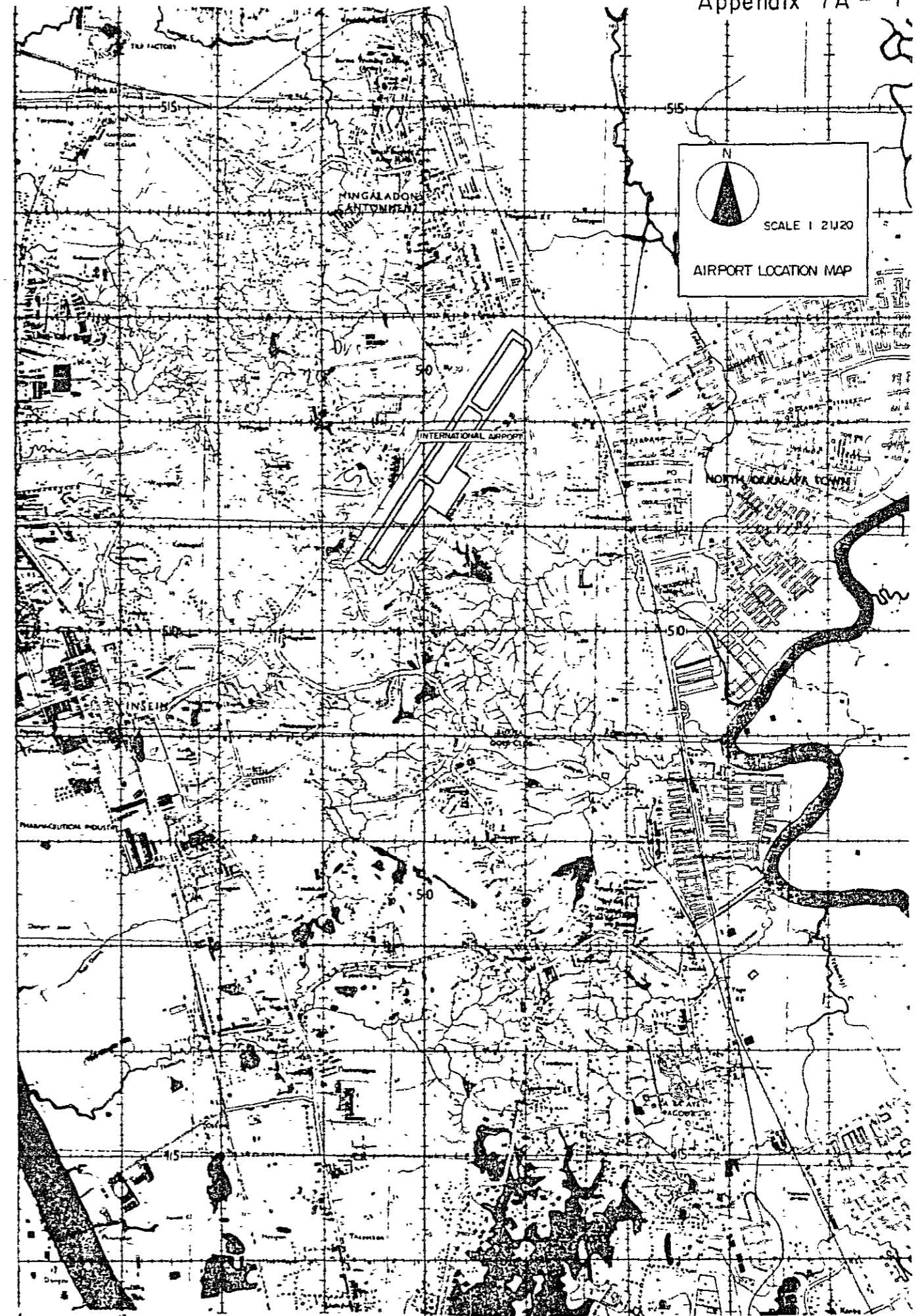
JAPAN INTERNATIONAL COOPERATION AGENCY

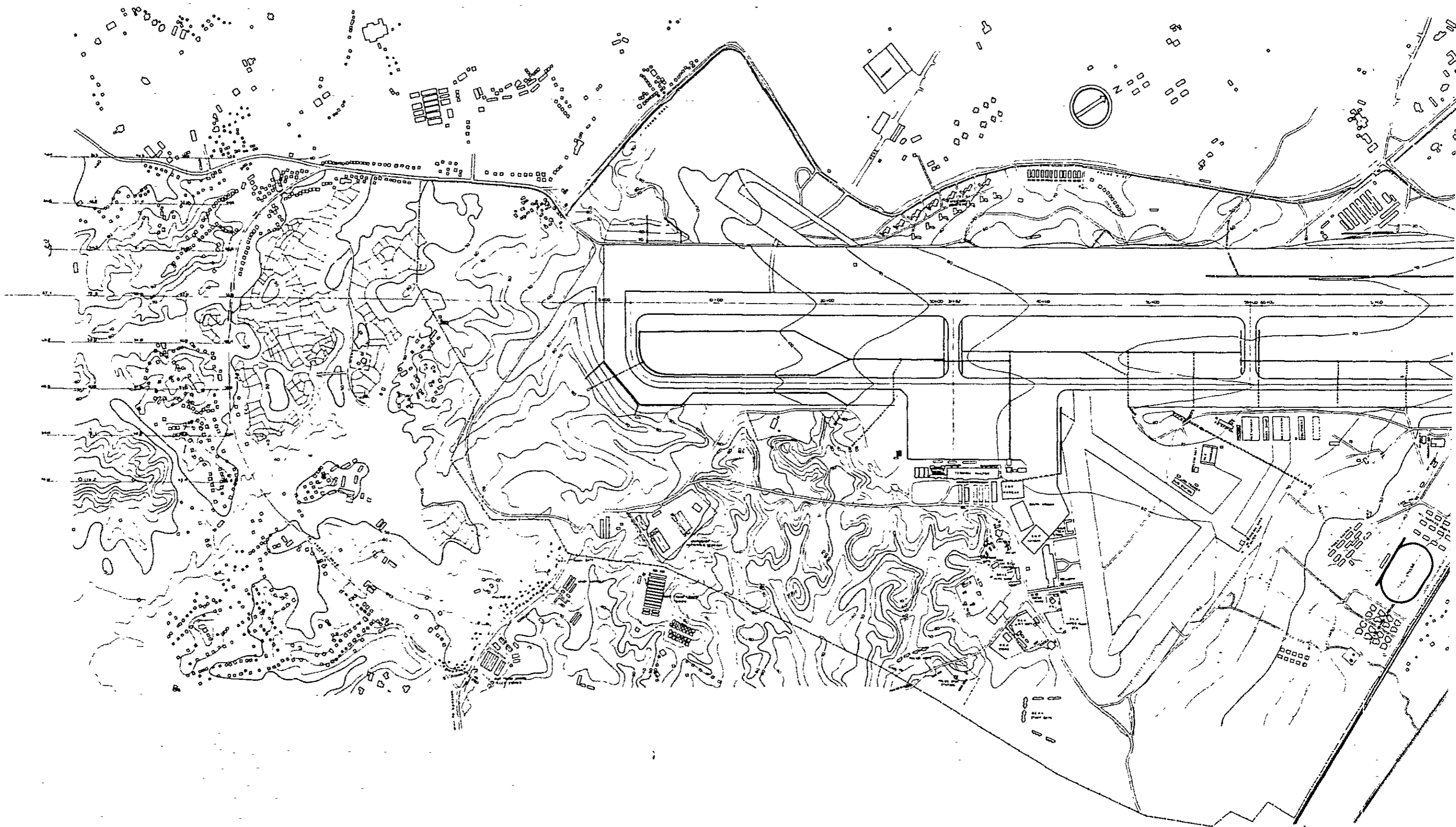
LISTS OF FACILITY PLAN DRAWINGS

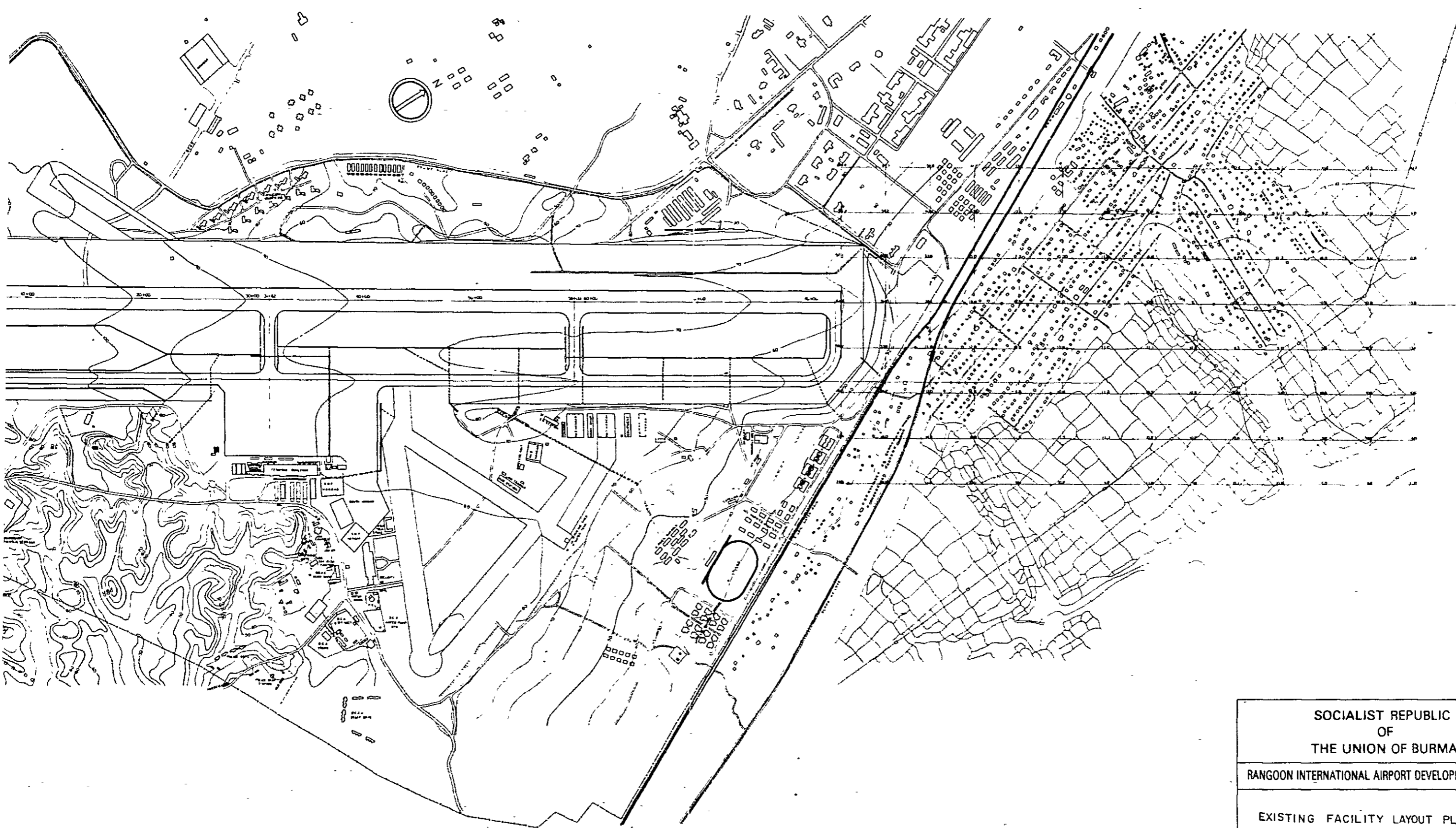
DRAWING NUMBER

- | | |
|--|---|
| 1 EXISTING FACILITY LAYOUT PLAN | 20 PASSENGER & BAGGAGE TRAFFIC FLOW 1ST FLOOR PLAN PHASE I |
| 2 AIRPORT LAYOUT PLAN CASE-1 | 21 CONTROL TOWER & OPERATIONAL MAIN POWER SUBSTATION & FIRE FIGHTING & RESCUE STATION BUILDINGS |
| 3 AIRPORT LAYOUT PLAN CASE-2 | 22 TERMINAL AREA LAYOUT PLAN PHASE II |
| 4 AIRPORT BASIC DIMENSIONS CASE-1 | 23 PASSENGER TERMINAL BUILDINGS ELEVATION SECTION PHASE II |
| 5 AIRPORT BASIC DIMENSIONS CASE-2 | 24 PASSENGER TERMINAL BUILDINGS GROUND FLOOR PLAN PHASE II |
| 6 RUNWAY PLOFILE | 25 PASSENGER TERMINAL BUILDINGS 1ST FLOOR PLAN PHASE II |
| 7 TAXIWAY PLOFILE | 26 PASSENGER TERMINAL BUILDINGS 2ND FLOOR PLAN PHASE II |
| 8 TYPICAL CROSS SECTION | 27 PASSENGER & BAGGAGE TRAFFIC FLOW GROUND FLOOR PLAN PHASE II |
| 9 CROSS SECTION - 1 | 28 PASSENGER & BAGGAGE TRAFFIC FLOW 1ST FLOOR PLAN PHASE II |
| 10 CROSS SECTION - 2 | 29 INTERNATIONAL & DOMESTIC CARGO BUILDING, G.S.E & CATERING BUILDINGS |
| 11 PAVEMENT (NEW CONSTRUCTION) | 30 AIRFIELD LIGHTING LAYOUT CASE-1 |
| 12 PAVEMENT (OVERLAYS) | 31 AIRFIELD LIGHTING LAYOUT CASE-2 |
| 13 TYPICAL CROSS SECTION OF RAILWAY & ROAD & CULVERT | 32 INSTALLATION CONCEPT - 1 |
| 14 TERMINAL AREA LAYOUT PLAN PHASE I | 33 INSTALLATION CONCEPT - 2 |
| 15 PASSENGER TERMINAL BUILDINGS ELEVATION SECTION PHASE I | 34 ELECTRIC POWER SUPPLY CONNECTION DIAGRAM |
| 16 PASSENGER TERMINAL BUILDINGS GROUND FLOOR PLAN PHASE I | 35 ELECTRIC POWER SUPPLY DISTRIBUTION SYSTEM |
| 17 PASSENGER TERMINAL BUILDINGS 1ST FLOOR PLAN PHASE I | 36 RADIO NAV-AIDS TELECOMMUNICATION & METEOROLOGICAL SYSTEMS |
| 18 PASSENGER TERMINAL BUILDINGS 2ND FLOOR PLAN PHASE I | |
| 19 PASSENGER & BAGGAGE TRAFFIC FLOW GROUND FLOOR PLAN PHASE I | |

Appendix 7A - 1

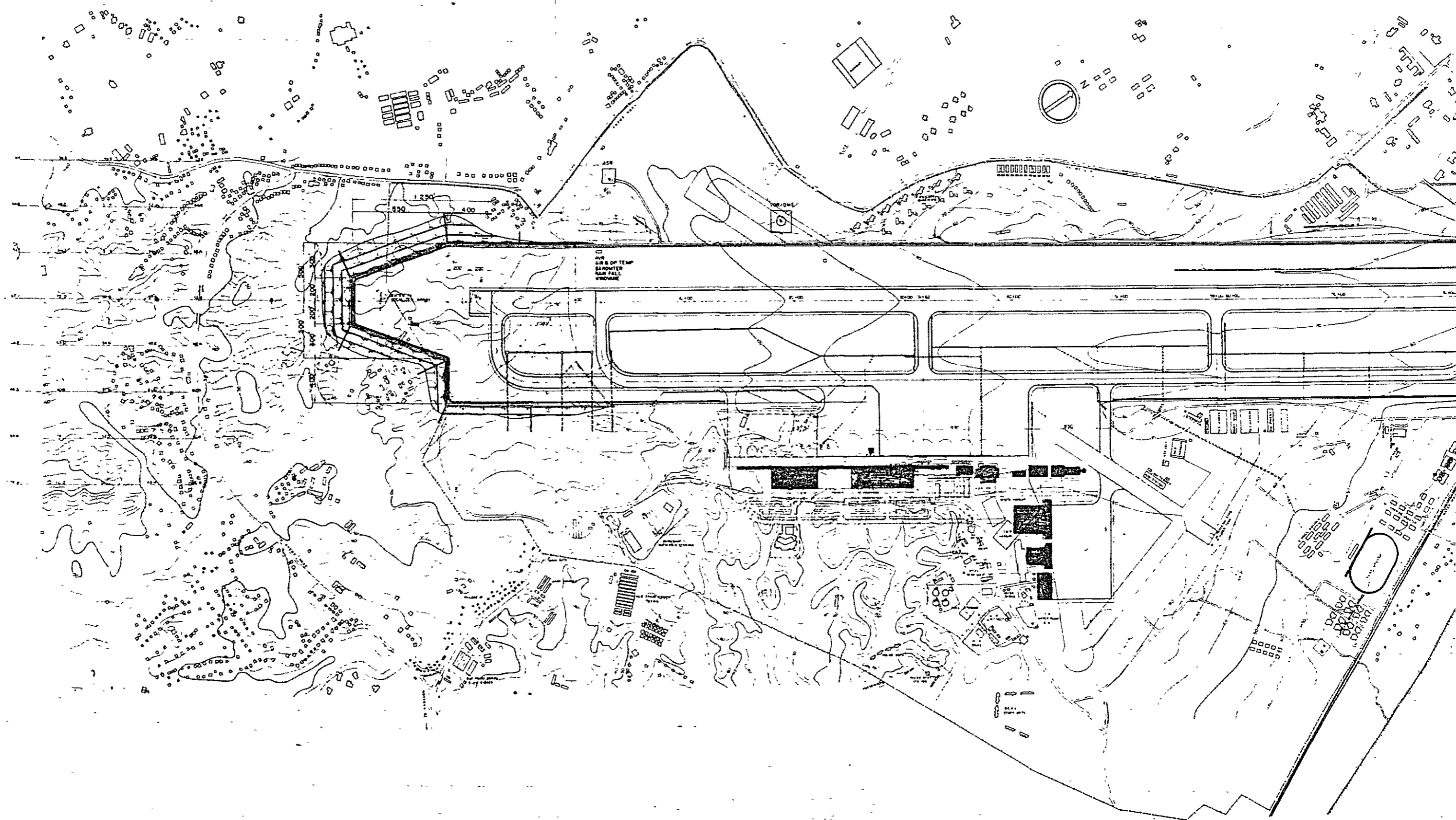




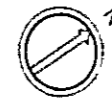


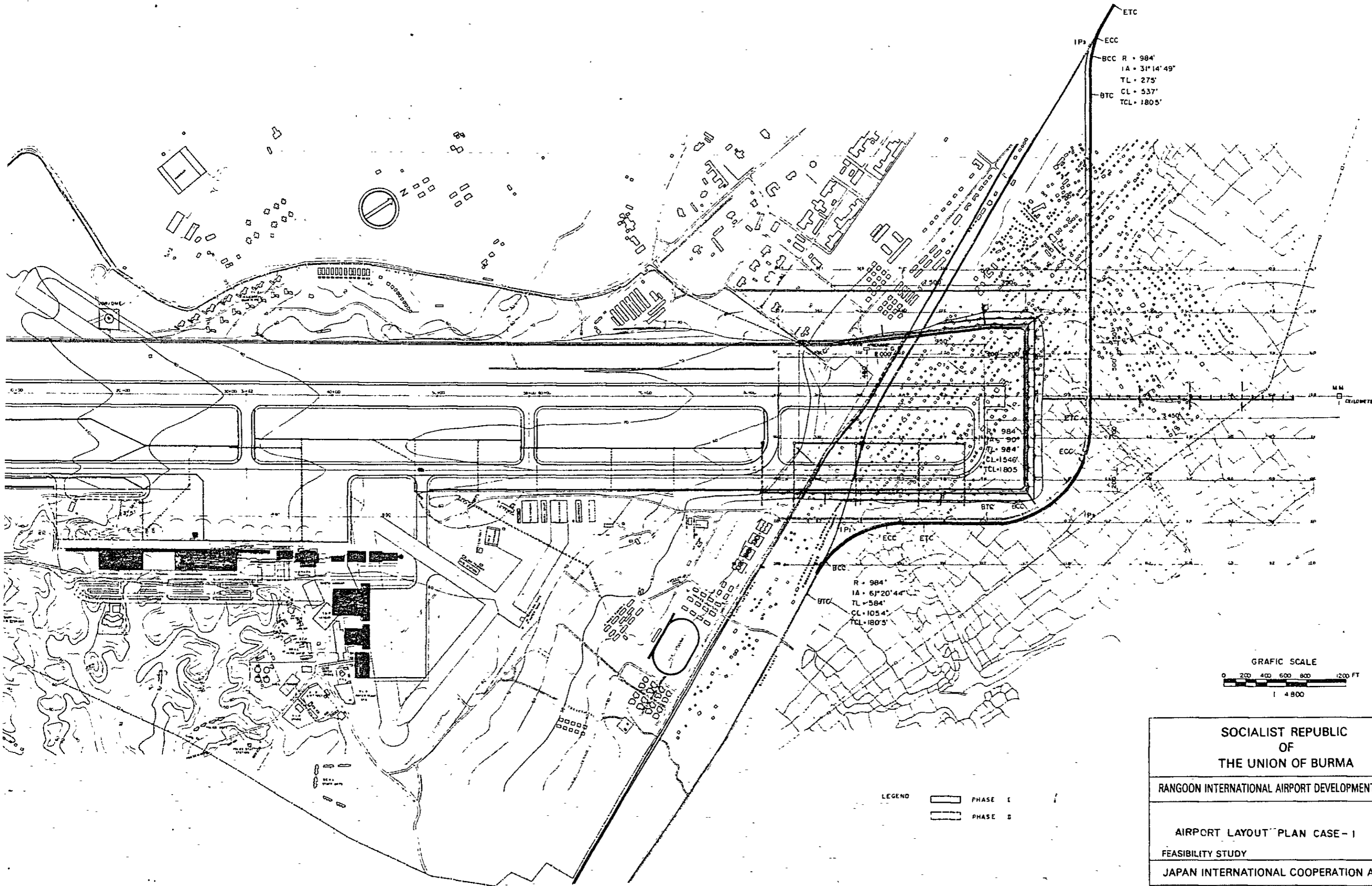
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|---|----------|
| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| EXISTING FACILITY LAYOUT PLAN | MAR 1980 |
| FEASIBILITY STUDY | 1 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

Fig 3 - 4



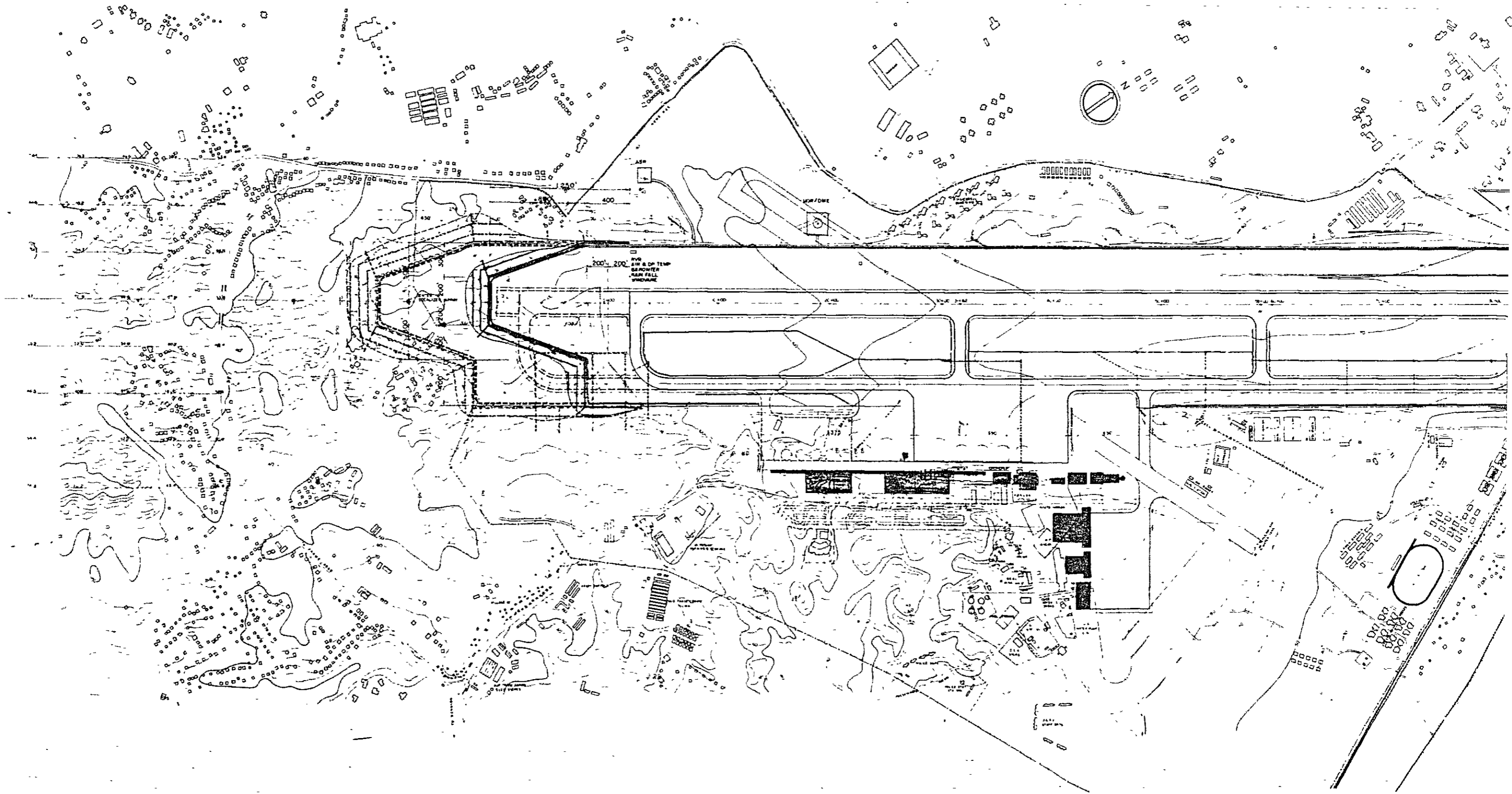
AIR S. OF TEMP.
SAMPLER
AND FALL
WINDMILL

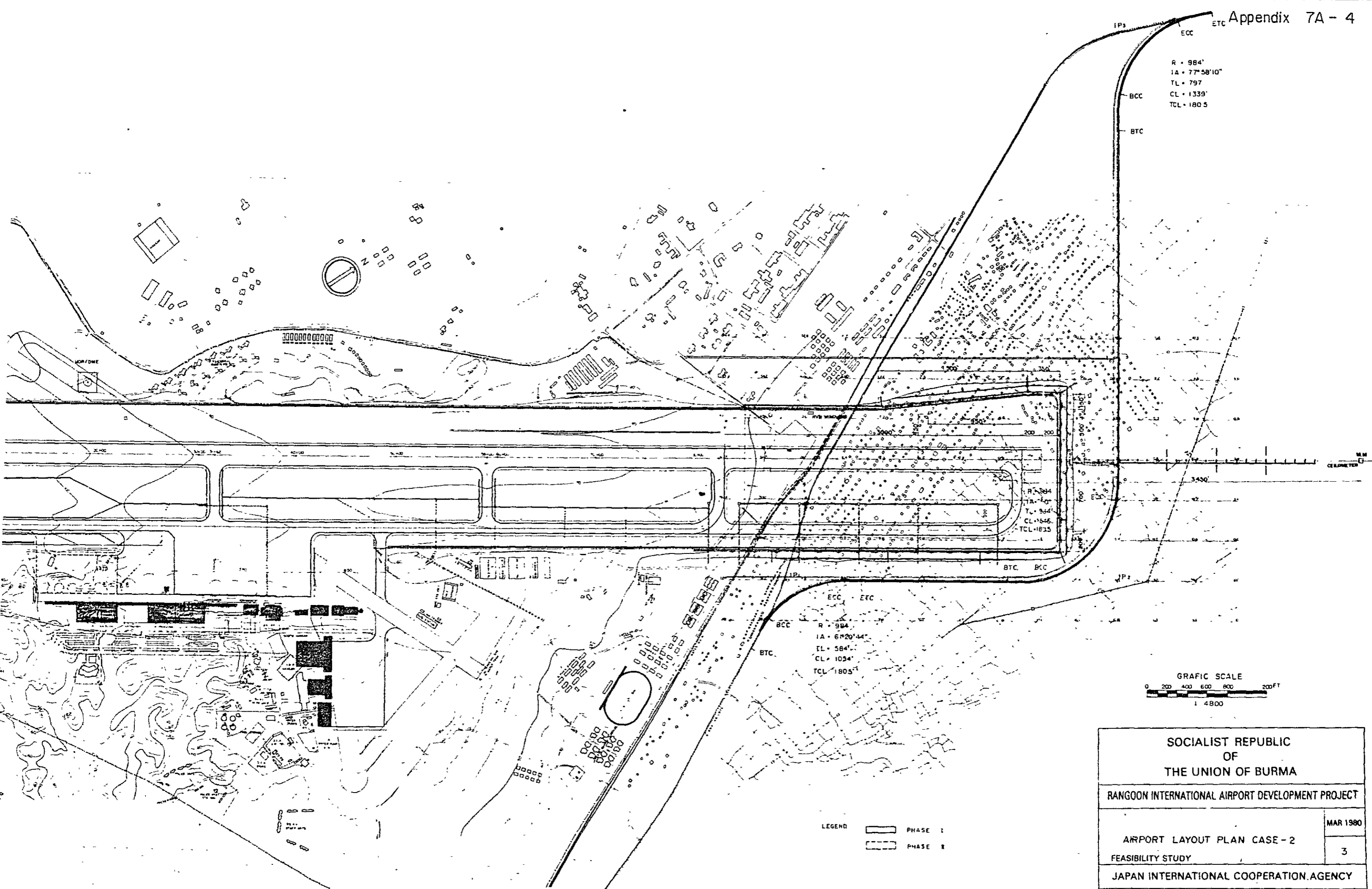




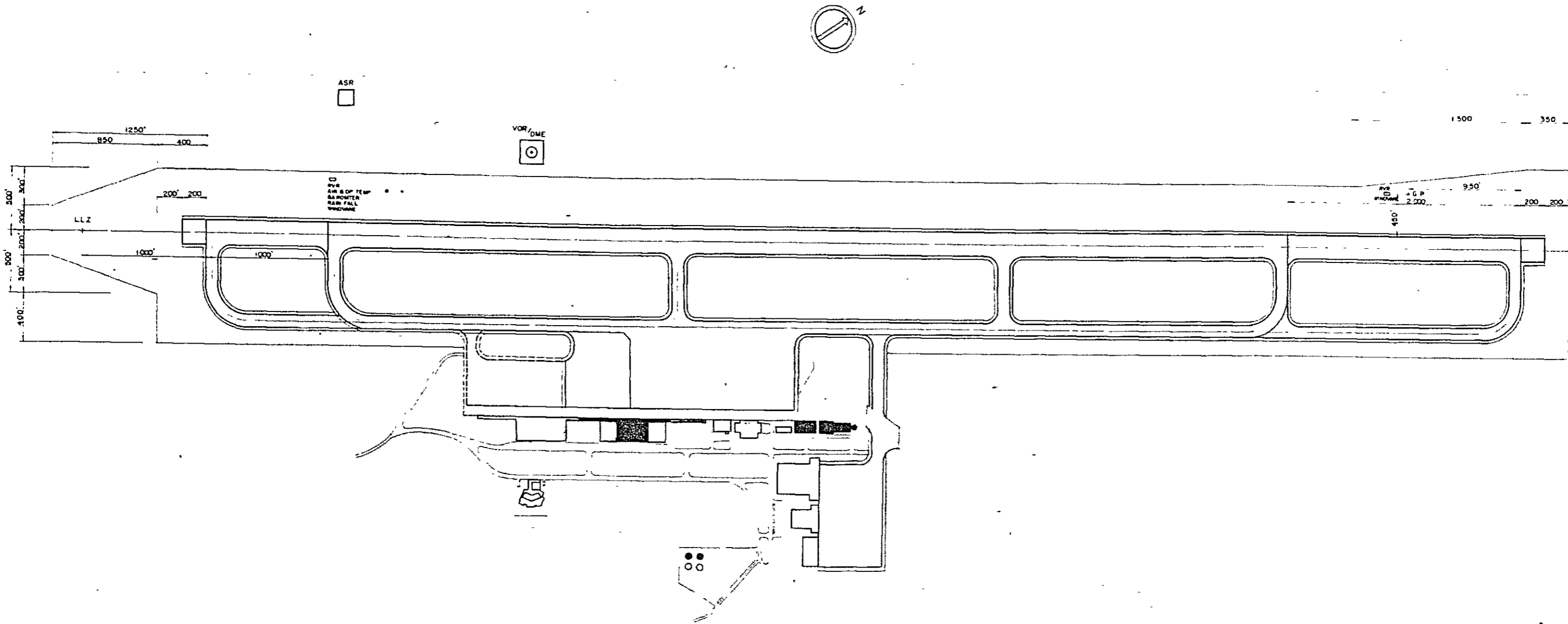
LEGEND

| | |
|--|----------|
| | PHASE I |
| | PHASE II |





| | |
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| AIRPORT LAYOUT PLAN CASE - 2 | MAR 1980 |
| FEASIBILITY STUDY | 3 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



RUNWAY TAXIWAY APRON

LEGEND

| | |
|--|----------|
| | PHASE I |
| | PHASE II |

TERMINAL AREA

LEGEND

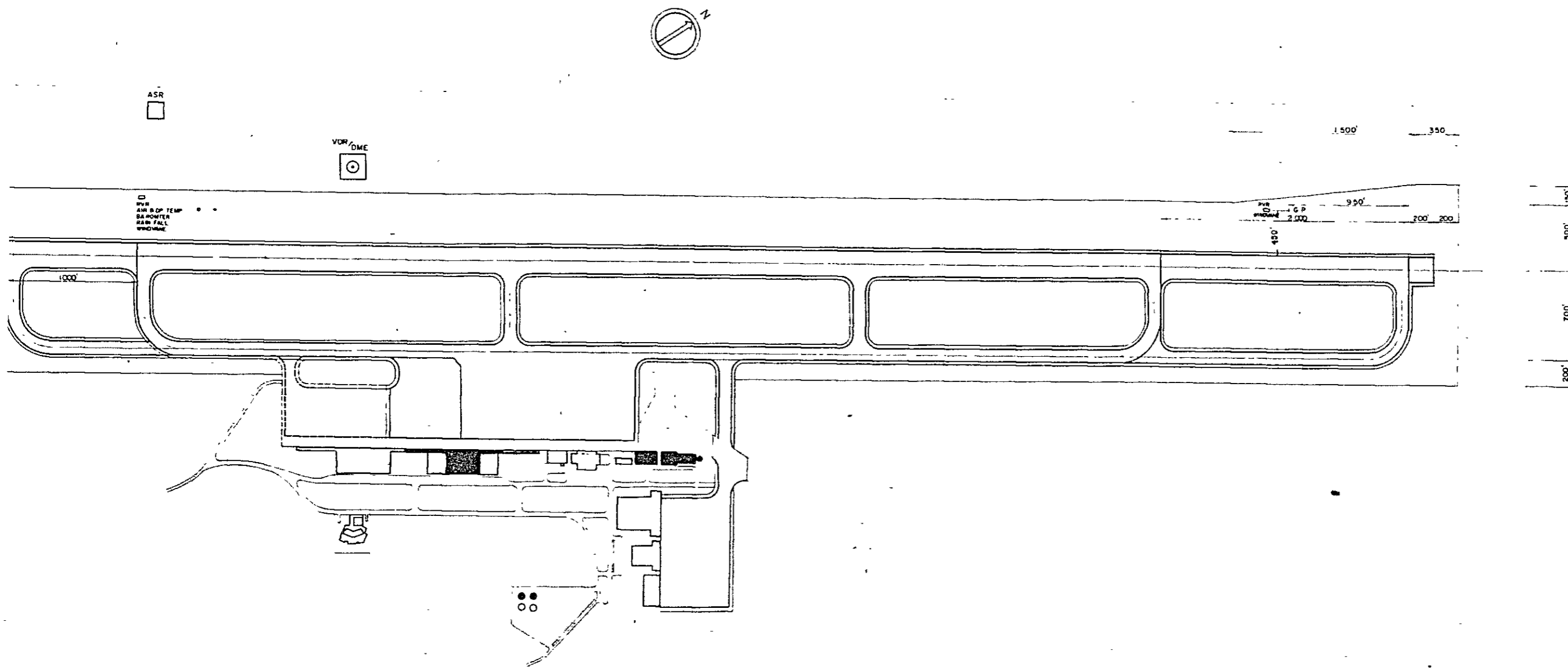
| | |
|--|----------|
| | PHASE I |
| | PHASE II |

RANGOON

AIR PO

FEASIBIL

JAPAN

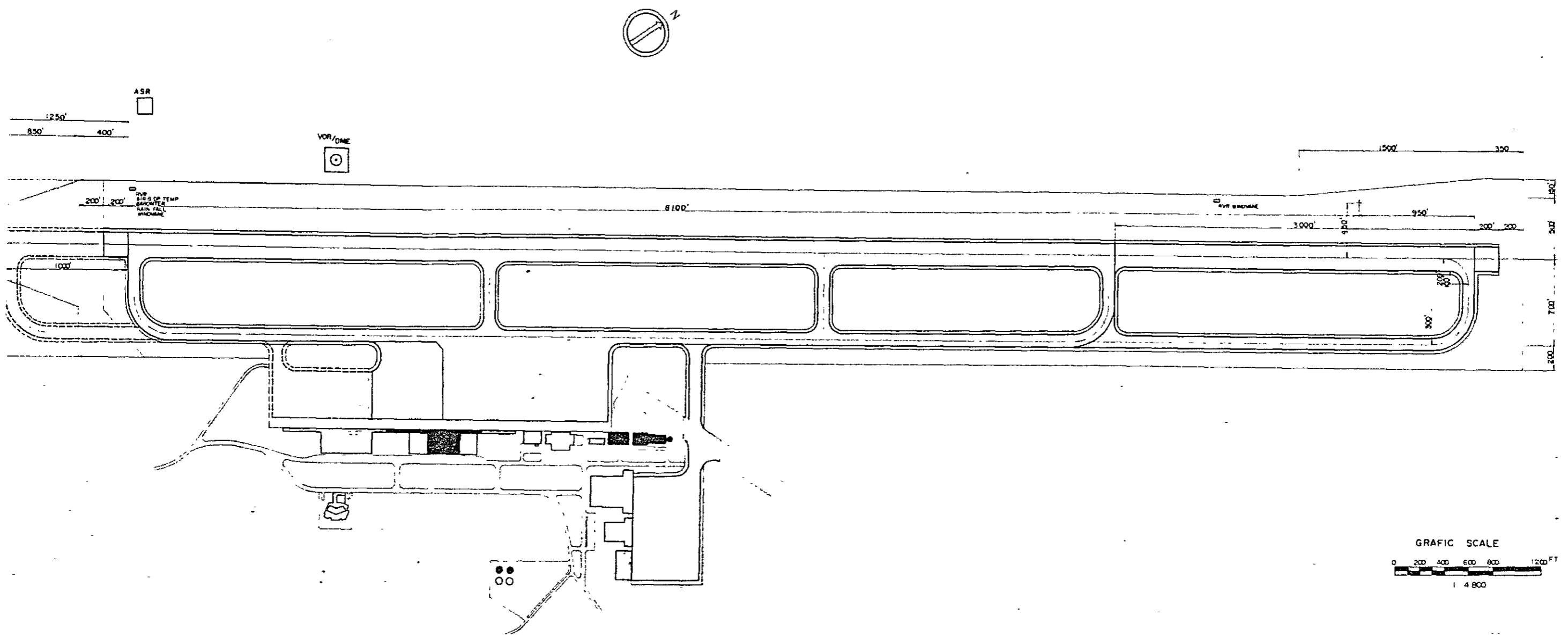


RUNWAY TAXIWAY APRON
 LEGEND PHASE I
 PHASE II

TERMINAL AREA
 LEGEND PHASE I
 PHASE II

GRAPHIC SCALE
 0 200 400 600 800 1000 FT
 1:4800

| | |
|---|----------|
| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| AIRPORT BASIC DIMENSIONS CASE - I | MAR 1980 |
| FEASIBILITY STUDY | 4 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



RUNWAY TAXIWAY APRON

LEGEND

PHASE I (solid line)

PHASE II (dashed line)

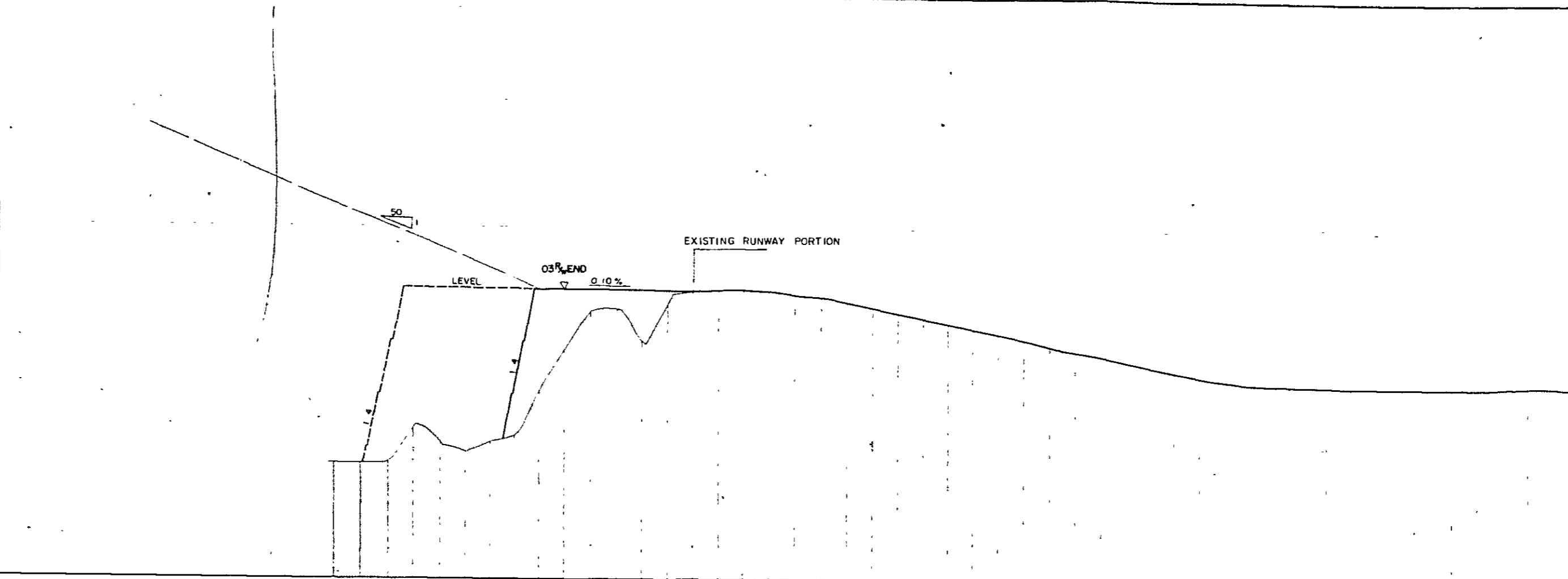
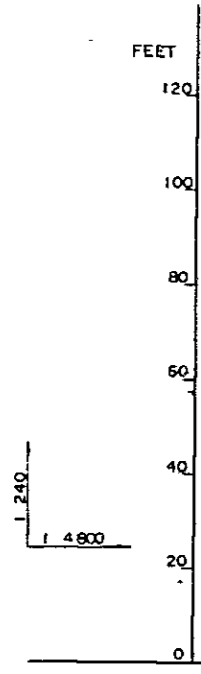
TERMINAL AREA

LEGEND

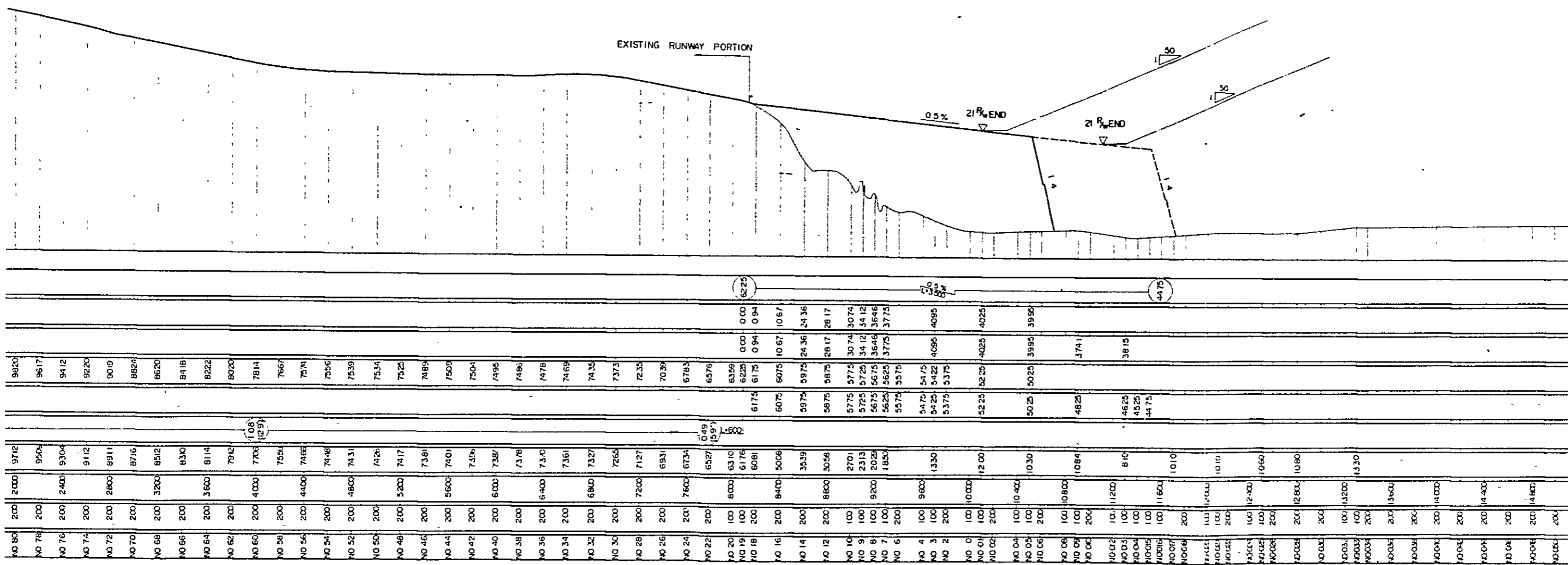
PHASE I (stippled pattern)

PHASE II (white)

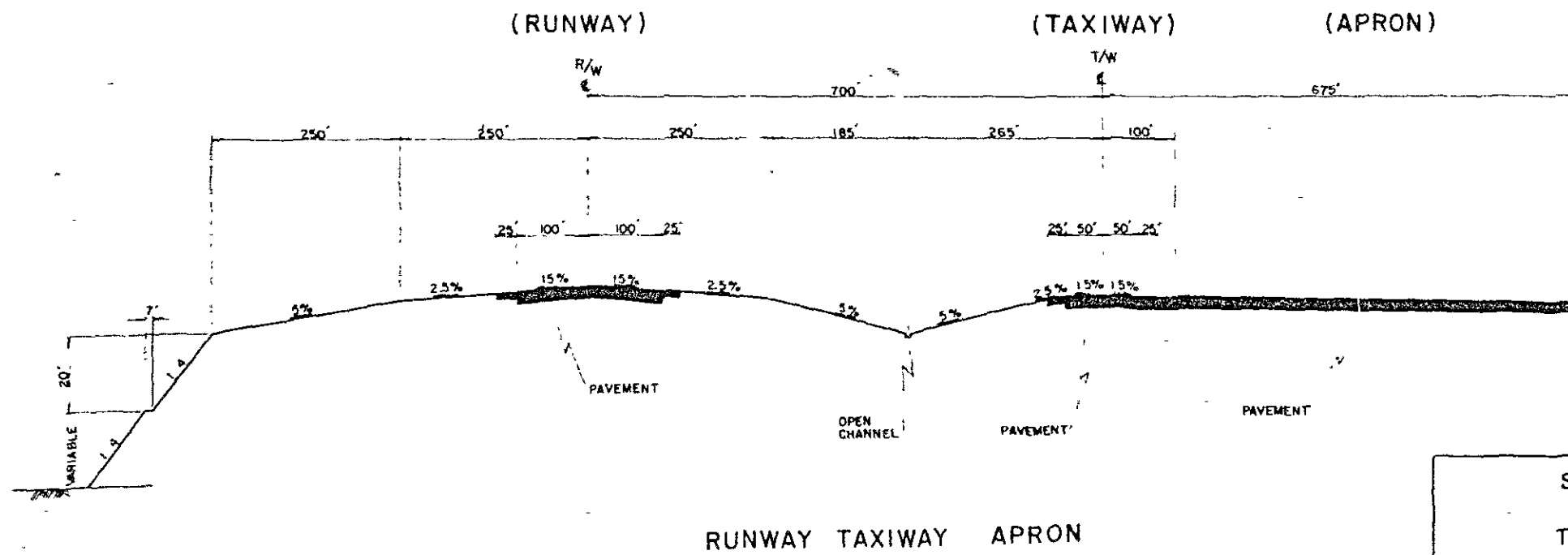
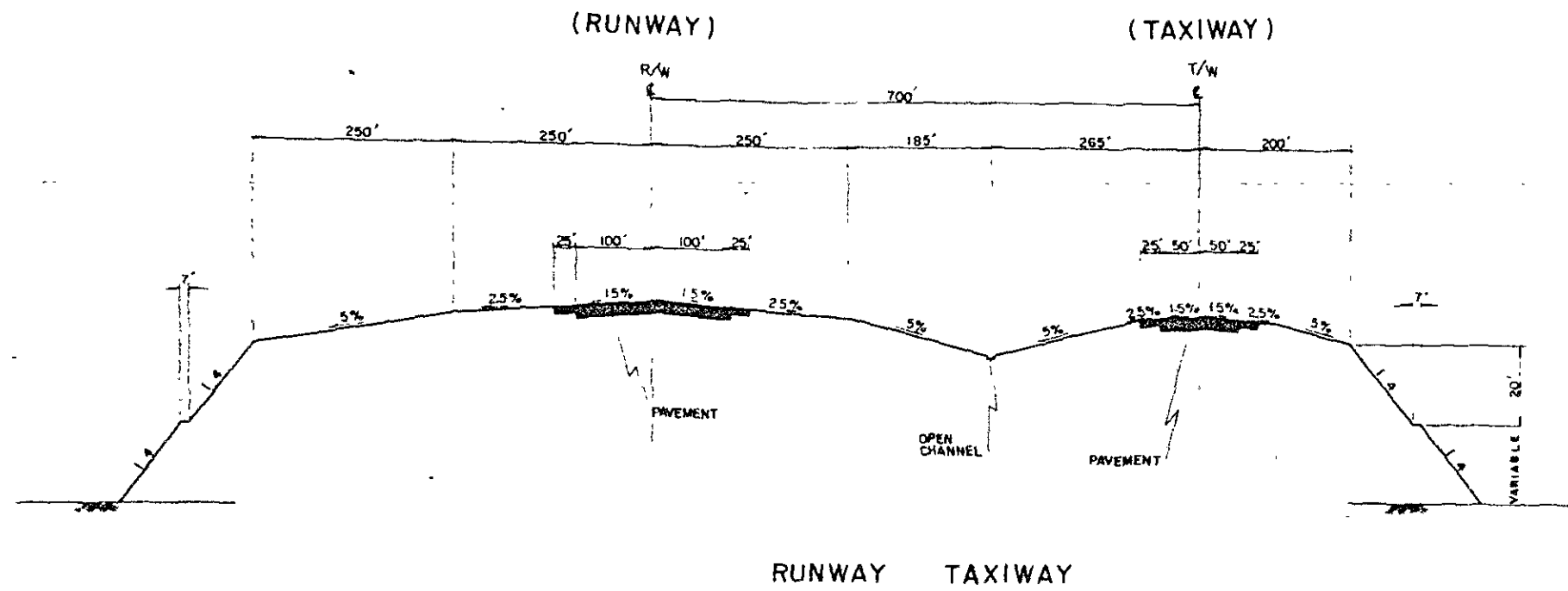
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| AIRPORT BASIC DIMENSIONS CASE - 2 FEASIBILITY STUDY | MAR 1980 5 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



| STATION | DISTANCE | ACCUMULATED DISTANCE | GROUND HEIGHT | OVERLAY THICKNESS | FORMATION HEIGHT CASE-2 | FORMATION HEIGHT CASE-1 | FILL CASE-2 | FILL CASE-1 | GRADIENT |
|---------|----------|----------------------|---------------|-------------------|-------------------------|-------------------------|-------------|-------------|----------|
| 70 153 | 200 | 200 | | | | | | | |
| 70 150 | 200 | 400 | | | | | | | |
| 70 148 | 200 | 4800 | | | | | | | |
| 70 146 | 200 | 4400 | | | | | | | |
| 70 144 | 200 | 4000 | | | | | | | |
| 70 142 | 200 | 3600 | | | | | | | |
| 70 140 | 200 | 3200 | | | | | | | |
| 70 138 | 200 | 2800 | 43.11 | | | | | | |
| 70 136 | 200 | 2400 | 42.80 | | | | | | |
| 70 134 | 200 | 2000 | 41.10 | | | | | | |
| 70 132 | 200 | 1600 | 58.70 | | 110.54 | 110.54 | 51.84 | 110.54 | 0.10% |
| 70 130 | 200 | 1200 | 50.51 | | 110.54 | 110.54 | 60.03 | 110.54 | 0.10% |
| 70 128 | 200 | 800 | 49.31 | | 110.54 | 110.54 | 61.23 | 110.54 | 0.10% |
| 70 118 | 200 | 400 | 52.47 | | 110.54 | 110.54 | 58.07 | 110.54 | 0.10% |
| 70 116 | 200 | 0 | 54.67 | | 110.54 | 110.54 | 55.38 | 110.54 | 0.10% |
| 70 114 | 200 | | 52.73 | | 110.54 | 110.54 | 37.81 | 110.54 | 0.10% |
| 70 112 | 200 | | 88.88 | | 110.54 | 110.54 | 20.66 | 110.54 | 0.10% |
| 70 110 | 200 | | 102.50 | | 110.34 | 110.34 | 7.84 | 110.34 | 0.10% |
| 70 108 | 200 | | 103.04 | | 110.14 | 110.14 | 7.10 | 110.14 | 0.10% |
| 70 106 | 200 | | 88.97 | | 109.94 | 109.94 | 20.97 | 109.94 | 0.10% |
| 70 104 | 200 | | 108.66 | | 109.74 | 109.74 | 1.08 | 109.74 | 0.10% |
| 70 102 | 200 | | 109.00 | | 109.54 | 109.54 | 0.00 | 109.54 | 0.10% |
| 70 100 | 200 | | 109.27 | | 109.76 | 109.76 | | 109.76 | 0.10% |
| 70 98 | 200 | | 107.31 | | 109.80 | 109.80 | | 109.80 | 0.10% |
| 70 96 | 200 | | 103.00 | | 109.50 | 109.50 | | 109.50 | 0.10% |
| 70 94 | 200 | | 108.70 | | 109.76 | 109.76 | | 109.76 | 0.10% |
| 70 92 | 200 | | 107.19 | | 108.27 | 108.27 | | 108.27 | 0.10% |
| 70 90 | 200 | | 105.46 | | 106.24 | 106.24 | | 106.24 | 0.10% |
| 70 88 | 200 | | 103.00 | | 104.28 | 104.28 | | 104.28 | 0.10% |
| 70 86 | 200 | | 101.16 | | 102.26 | 102.26 | | 102.26 | 0.10% |
| 70 84 | 200 | | 99.44 | | 100.22 | 100.22 | | 100.22 | 0.10% |
| 70 82 | 200 | | 97.12 | | 98.20 | 98.20 | | 98.20 | 0.10% |
| 70 80 | 200 | | 95.00 | | 96.17 | 96.17 | | 96.17 | 0.10% |
| 70 78 | 200 | | 93.04 | | 94.12 | 94.12 | | 94.12 | 0.10% |
| 70 76 | 200 | | 91.12 | | 92.20 | 92.20 | | 92.20 | 0.10% |
| 70 74 | 200 | | 89.11 | | 90.19 | 90.19 | | 90.19 | 0.10% |
| 70 72 | 200 | | 87.16 | | 88.24 | 88.24 | | 88.24 | 0.10% |
| 70 70 | 200 | | 85.12 | | 86.20 | 86.20 | | 86.20 | 0.10% |
| 70 68 | 200 | | 83.10 | | 84.18 | 84.18 | | 84.18 | 0.10% |
| 70 66 | 200 | | 81.14 | | 82.22 | 82.22 | | 82.22 | 0.10% |
| 70 64 | 200 | | 79.17 | | 80.00 | 80.00 | | 80.00 | 0.10% |
| 70 62 | 200 | | 77.00 | | 78.14 | 78.14 | | 78.14 | 0.10% |
| 70 60 | 200 | | 75.54 | | 76.67 | 76.67 | | 76.67 | 0.10% |
| 70 58 | 200 | | 74.61 | | 75.71 | 75.71 | | 75.71 | 0.10% |
| 70 56 | 200 | | 73.81 | | 75.56 | 75.56 | | 75.56 | 0.10% |
| 70 54 | 200 | | 73.78 | | 75.39 | 75.39 | | 75.39 | 0.10% |
| 70 52 | 200 | | 73.61 | | 75.31 | 75.31 | | 75.31 | 0.10% |
| 70 50 | 200 | | 73.50 | | 75.20 | 75.20 | | 75.20 | 0.10% |
| 70 48 | 200 | | 73.40 | | 74.89 | 74.89 | | 74.89 | 0.10% |
| 70 46 | 200 | | 73.27 | | 75.00 | 75.00 | | 75.00 | 0.10% |
| 70 44 | 200 | | 73.87 | | 74.95 | 74.95 | | 74.95 | 0.10% |
| 70 42 | 200 | | 73.78 | | 74.81 | 74.81 | | 74.81 | 0.10% |
| 70 40 | 200 | | 73.61 | | 74.69 | 74.69 | | 74.69 | 0.10% |
| 70 38 | 200 | | 73.51 | | 74.60 | 74.60 | | 74.60 | 0.10% |
| 70 36 | 200 | | 73.51 | | 74.51 | 74.51 | | 74.51 | 0.10% |
| 70 34 | 200 | | 73.27 | | 74.35 | 74.35 | | 74.35 | 0.10% |
| 70 32 | 200 | | 73.27 | | 74.35 | 74.35 | | 74.35 | 0.10% |

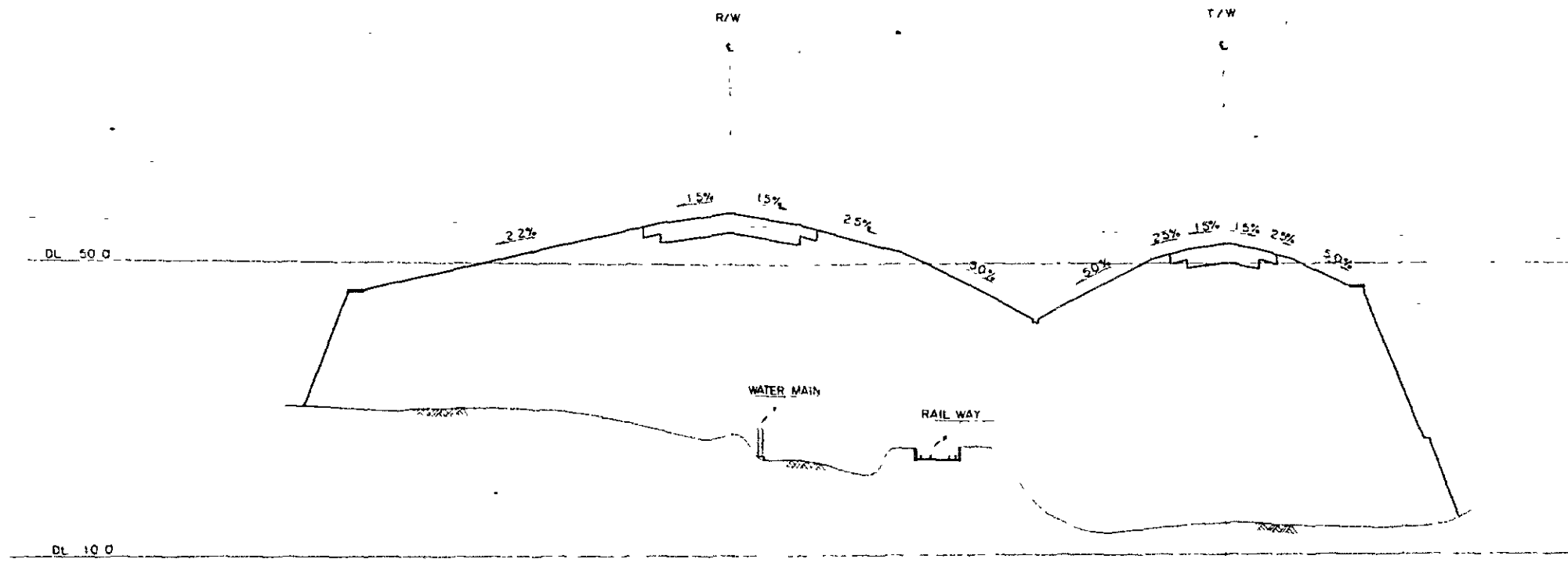


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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| RUNWAY PROFILE | MAR 1980 |
| FEASIBILITY STUDY | 6 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

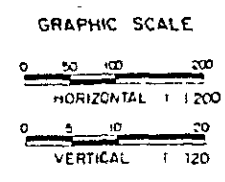
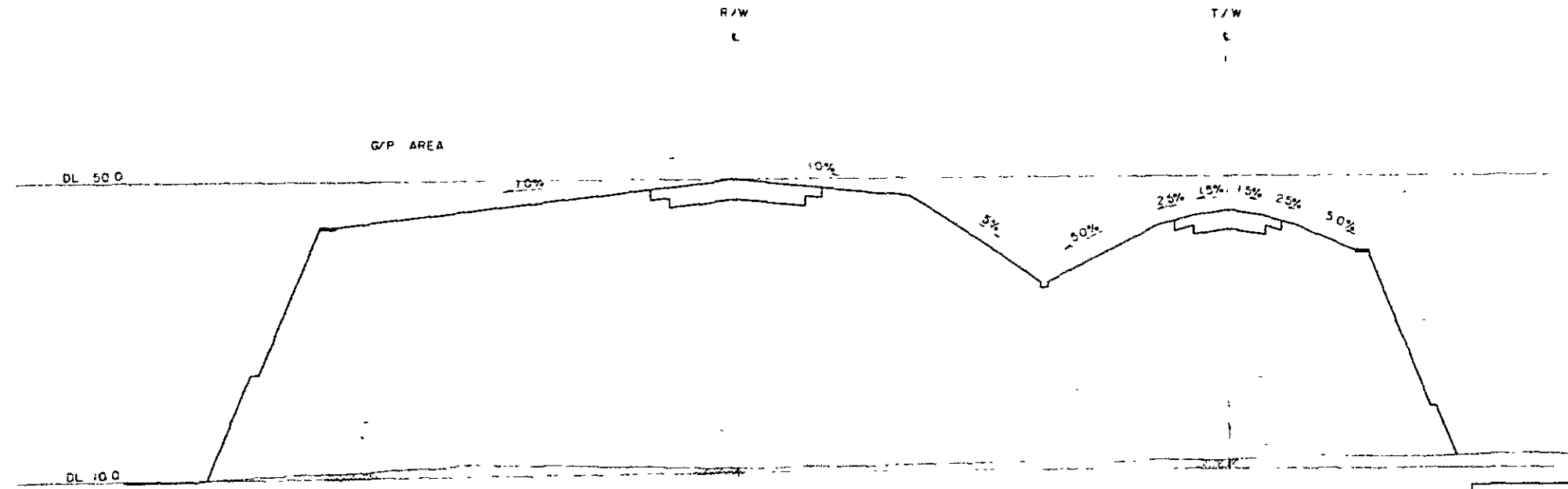


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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| TYPICAL CROSS SECTION | MAR 1980 |
| FEASIBILITY STUDY | 8 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

STA No 10



STA No - 05



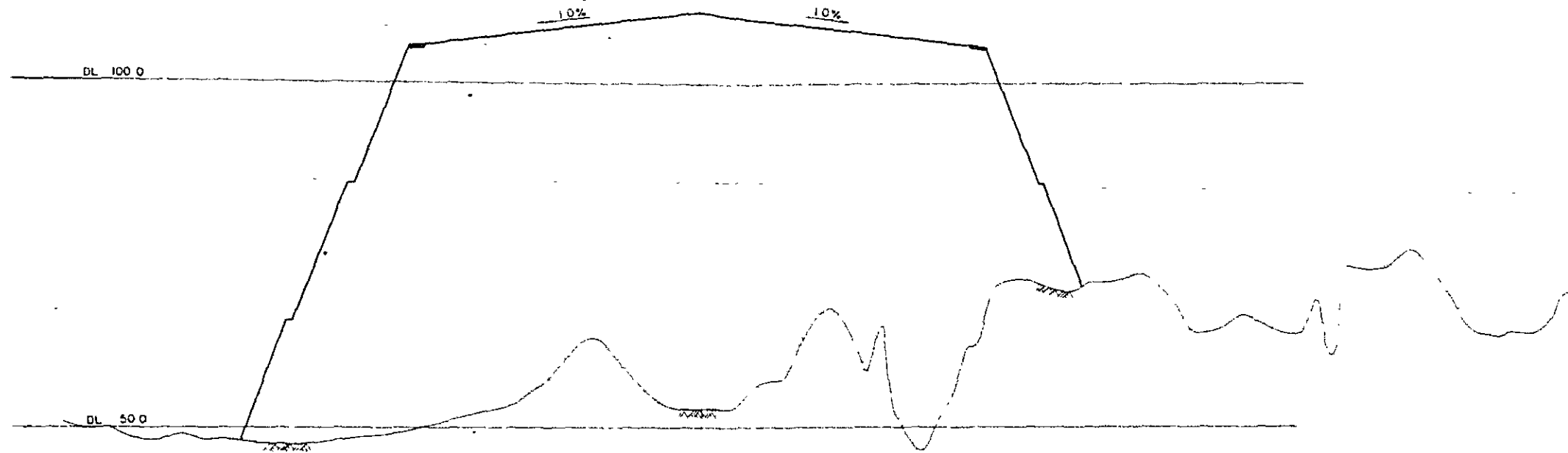
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| CROSS SECTION - 1 | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

STA. No 116

Appendix 7A - 11

LOCALIZER AREA

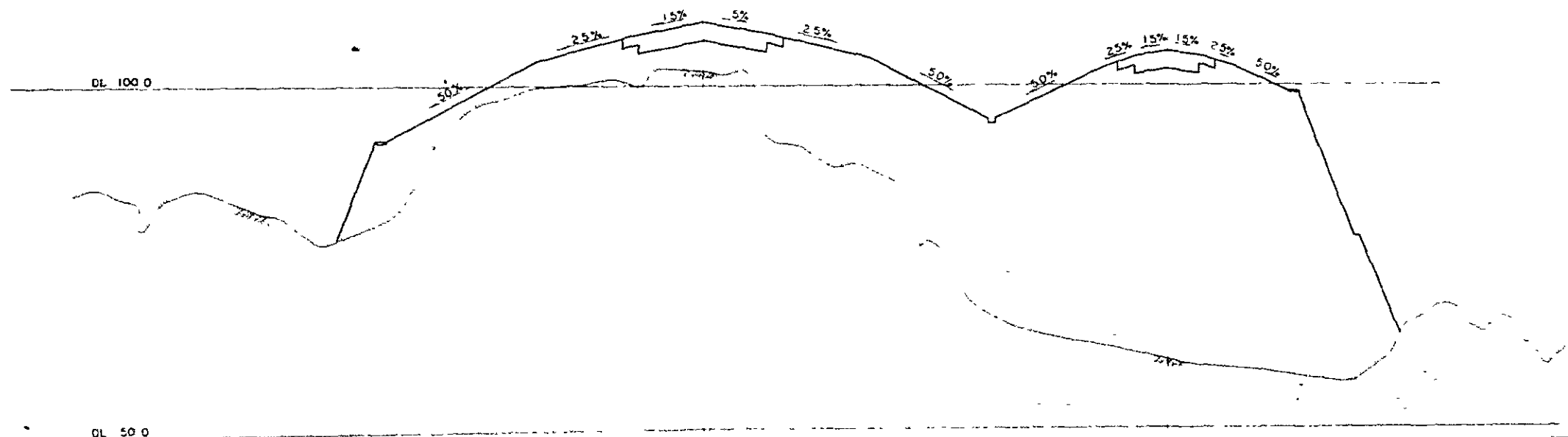
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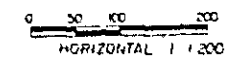
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GRAPHIC SCALE



SOCIALIST REPUBLIC OF THE UNION OF BURMA

RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT

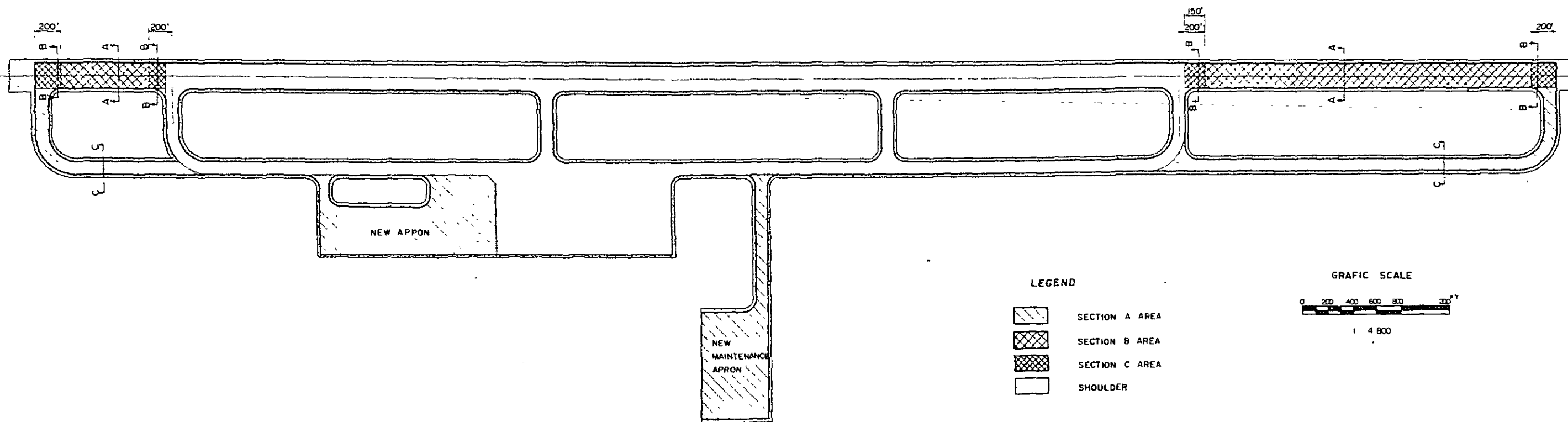
CROSS SECTION - 2

MAR 1980

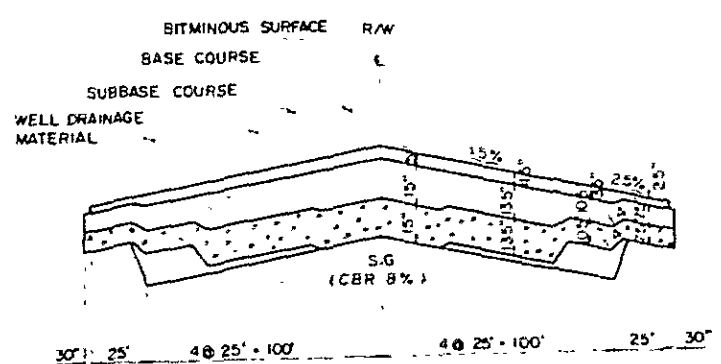
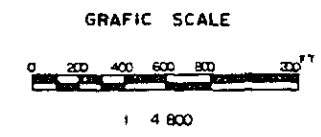
FEASIBILITY STUDY

10

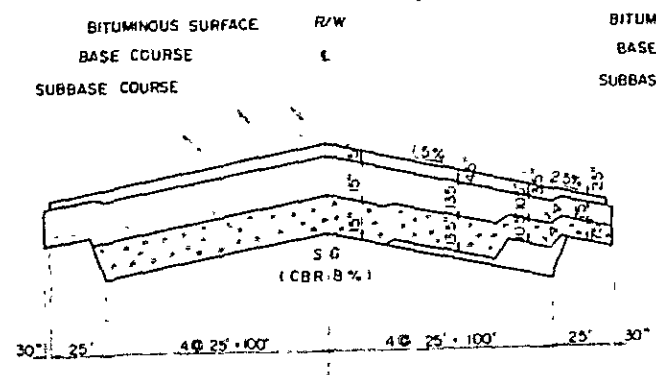
JAPAN INTERNATIONAL COOPERATION AGENCY



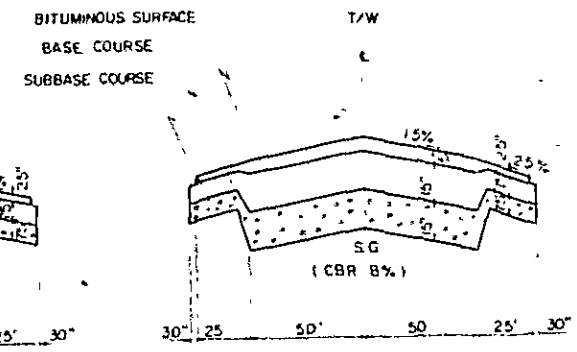
- LEGEND**
- SECTION A AREA
 - SECTION B AREA
 - SECTION C AREA
 - SHOULDER



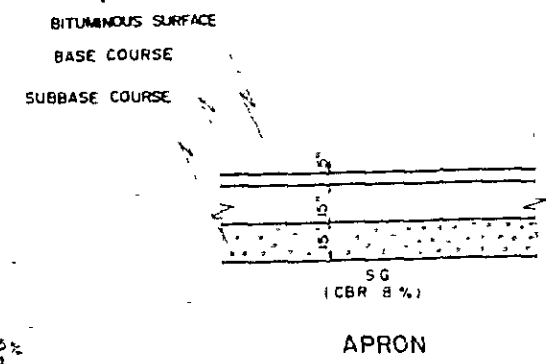
SECTION A - A



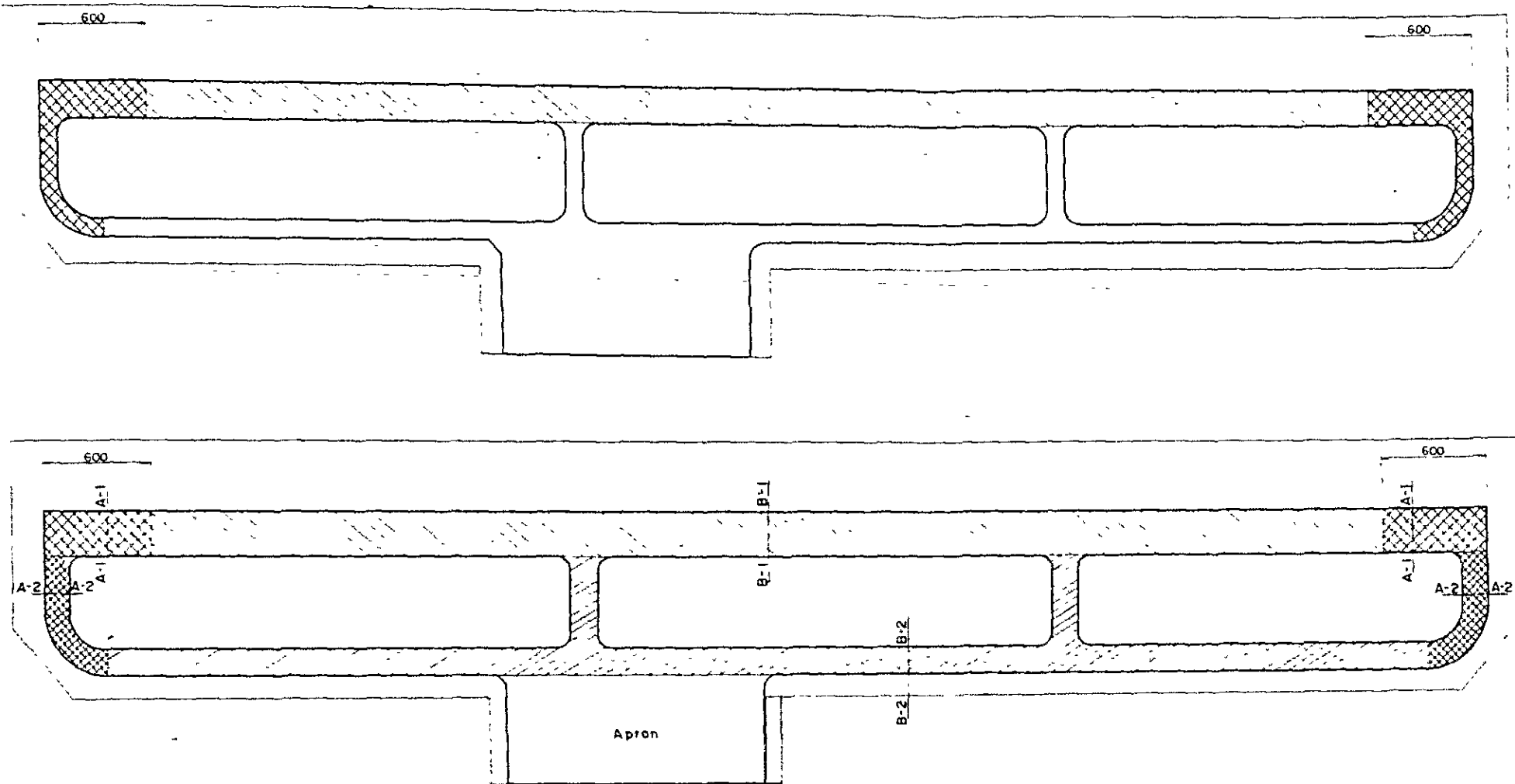
SECTION B - B



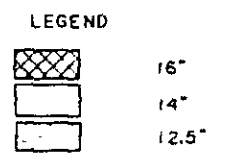
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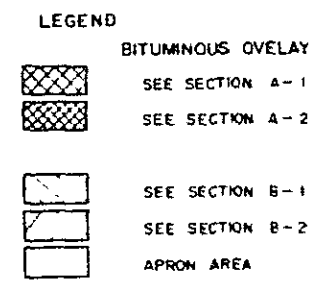
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|---|----------|
| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PAVEMENT (NEW CONSTRUCTION) | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



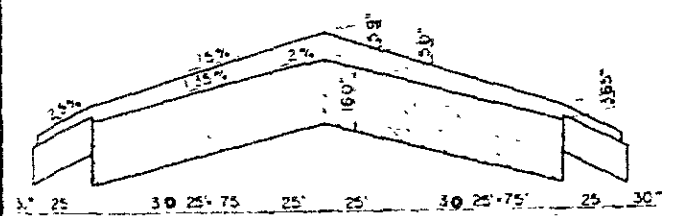
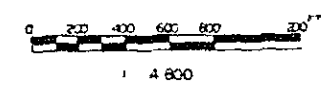
EXISTING PAVEMENT THICKNESS



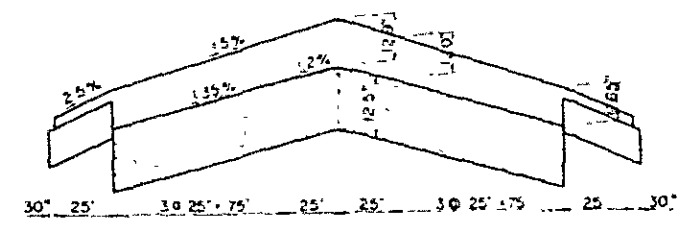
OVERLAY DESIGN THICKNESS



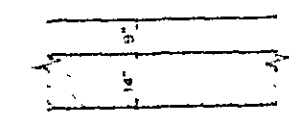
GRAPHIC SCALE



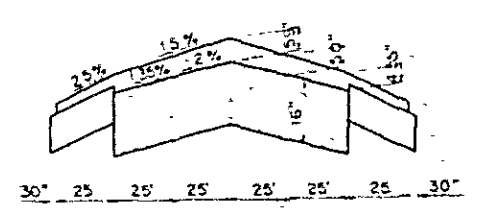
SECTION A - 1



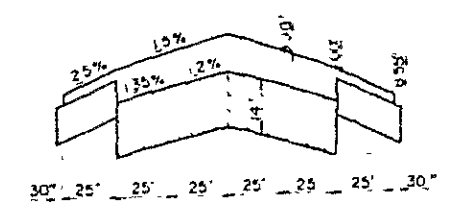
SECTION B - 1



APRON



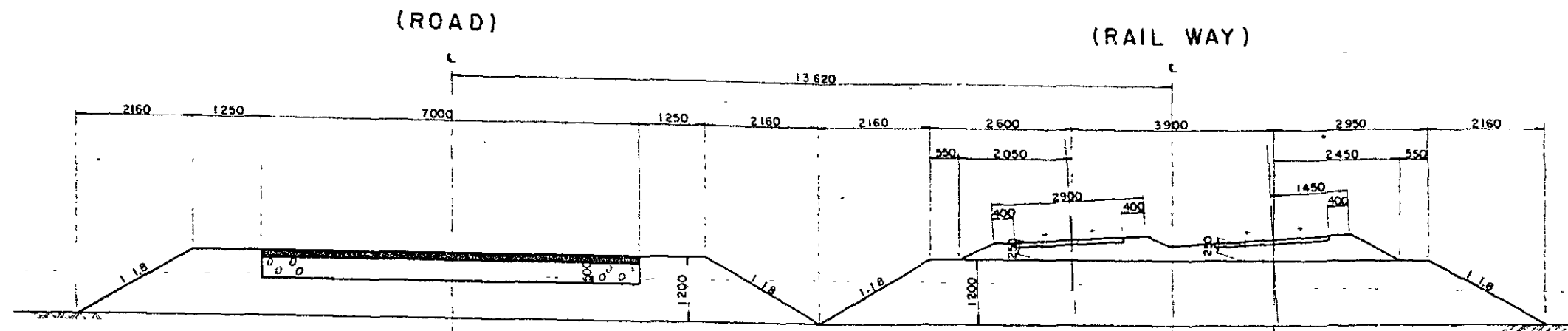
SECTION A - 2



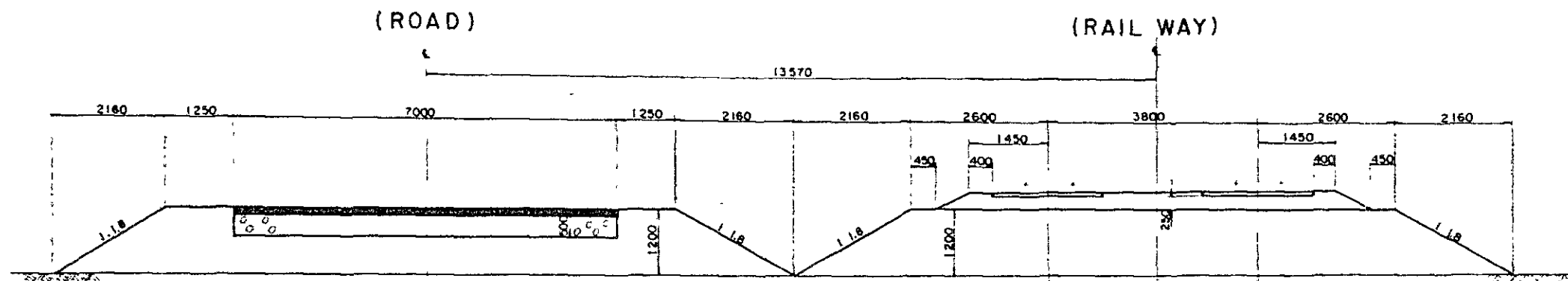
SECTION B - 2

H = 480
V = 24

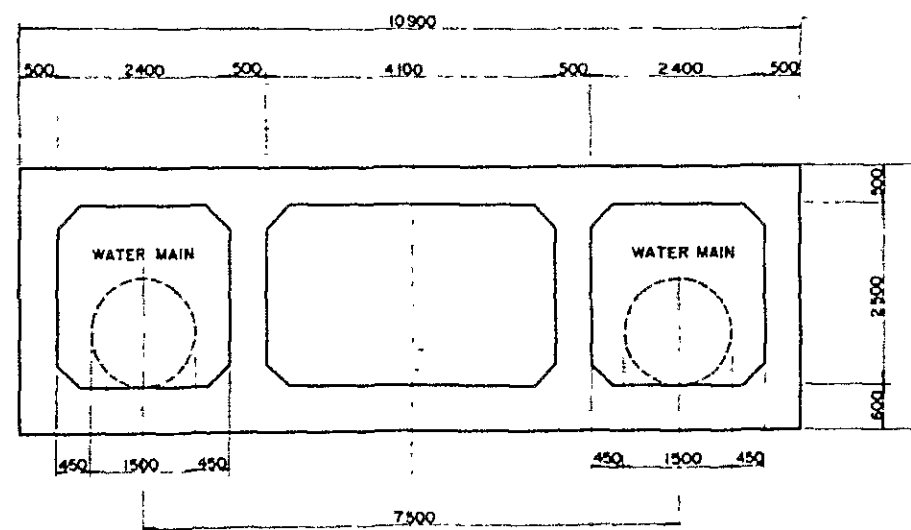
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PAVEMENT (OVERLAYS) FEASIBILITY STUDY | MAR 1980 12 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



SECTION IN CURVE of ROAD & RAIL WAY Scale 1/50



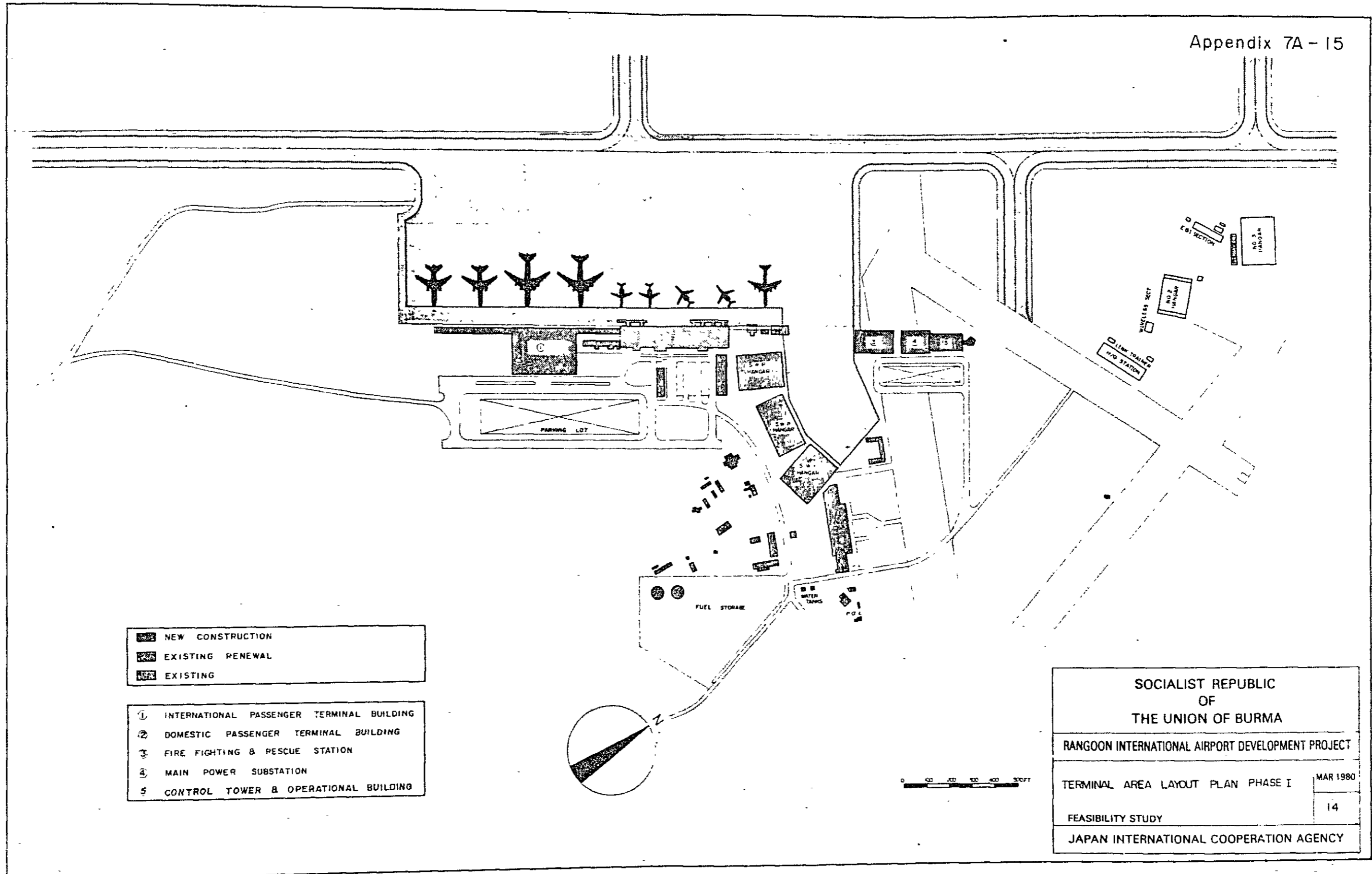
SECTION for STRAIGHT PORTION of ROAD & RAIL WAY Scale 1/50






SECTION of CULVERT for RGN WATER MAIN Scale 1/50

DIMENSION mm

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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| TYPICAL CROSS SECTION OF RAILWAY & ROAD & CULVERT | MAR 1980 |
| FEASIBILITY STUDY | 13 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

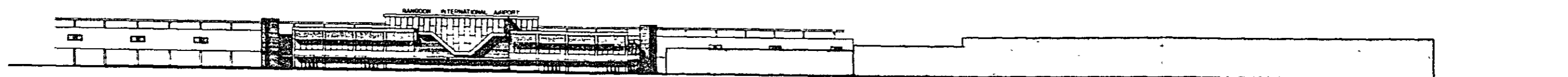


 NEW CONSTRUCTION
 EXISTING RENEWAL
 EXISTING

① INTERNATIONAL PASSENGER TERMINAL BUILDING
 ② DOMESTIC PASSENGER TERMINAL BUILDING
 ③ FIRE FIGHTING & RESCUE STATION
 ④ MAIN POWER SUBSTATION
 ⑤ CONTROL TOWER & OPERATIONAL BUILDING

SOCIALIST REPUBLIC
 OF
 THE UNION OF BURMA
 RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT
 TERMINAL AREA LAYOUT PLAN PHASE I
 FEASIBILITY STUDY
 JAPAN INTERNATIONAL COOPERATION AGENCY

MAR 1980
 14



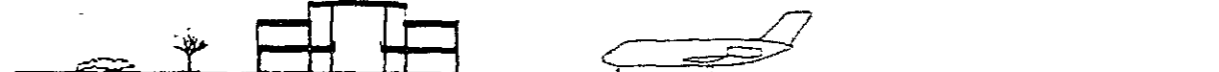
INTERNATIONAL PASSENGER TERMINAL BUILDING

EXISTING VIP BUILDING

DOMESTIC PASSENGER TERMINAL BUILDING (EXISTING RENEWAL)



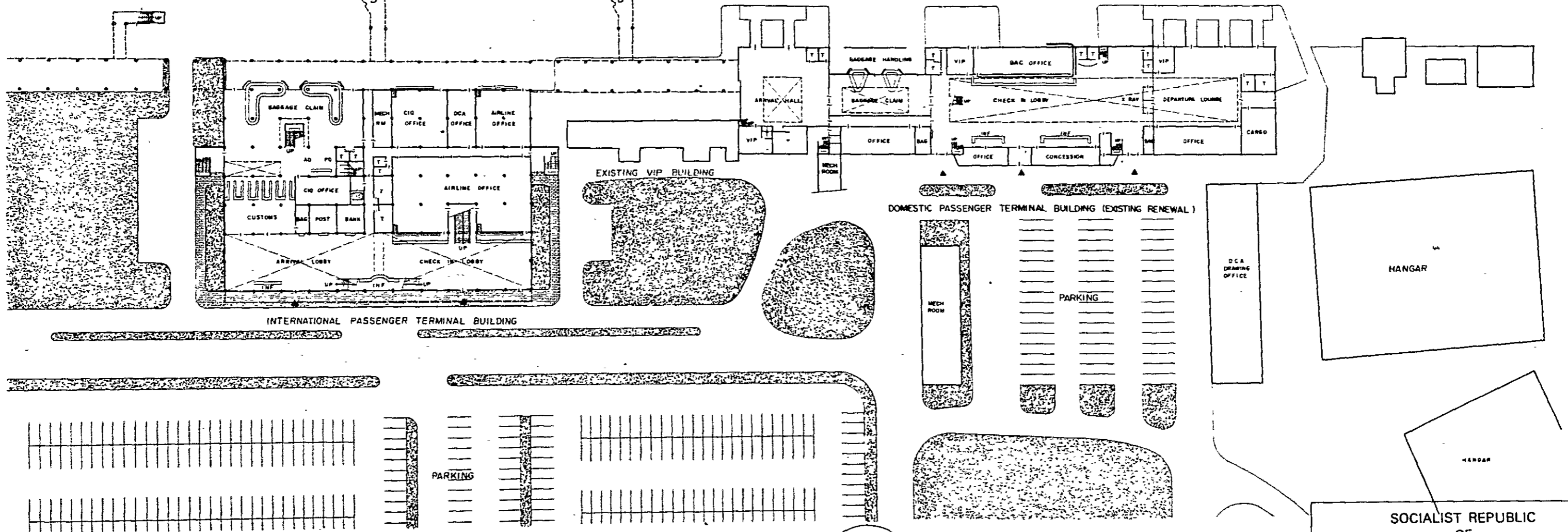
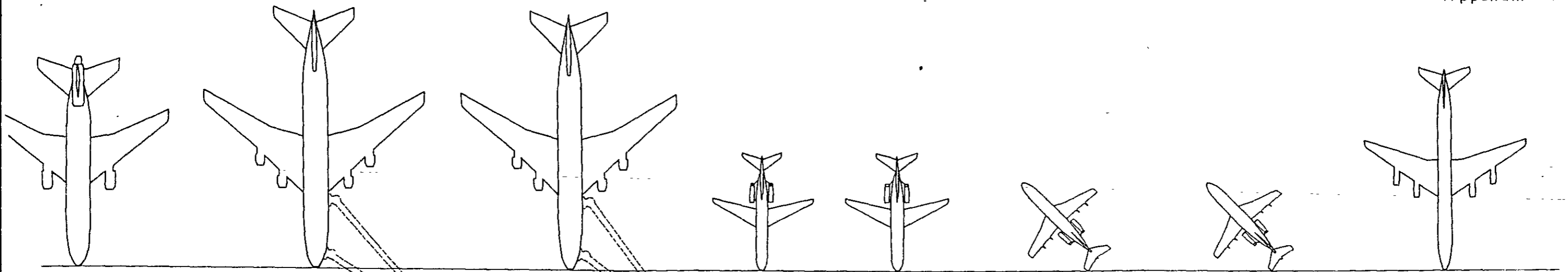
INTERNATIONAL PASSENGER TERMINAL BUILDING



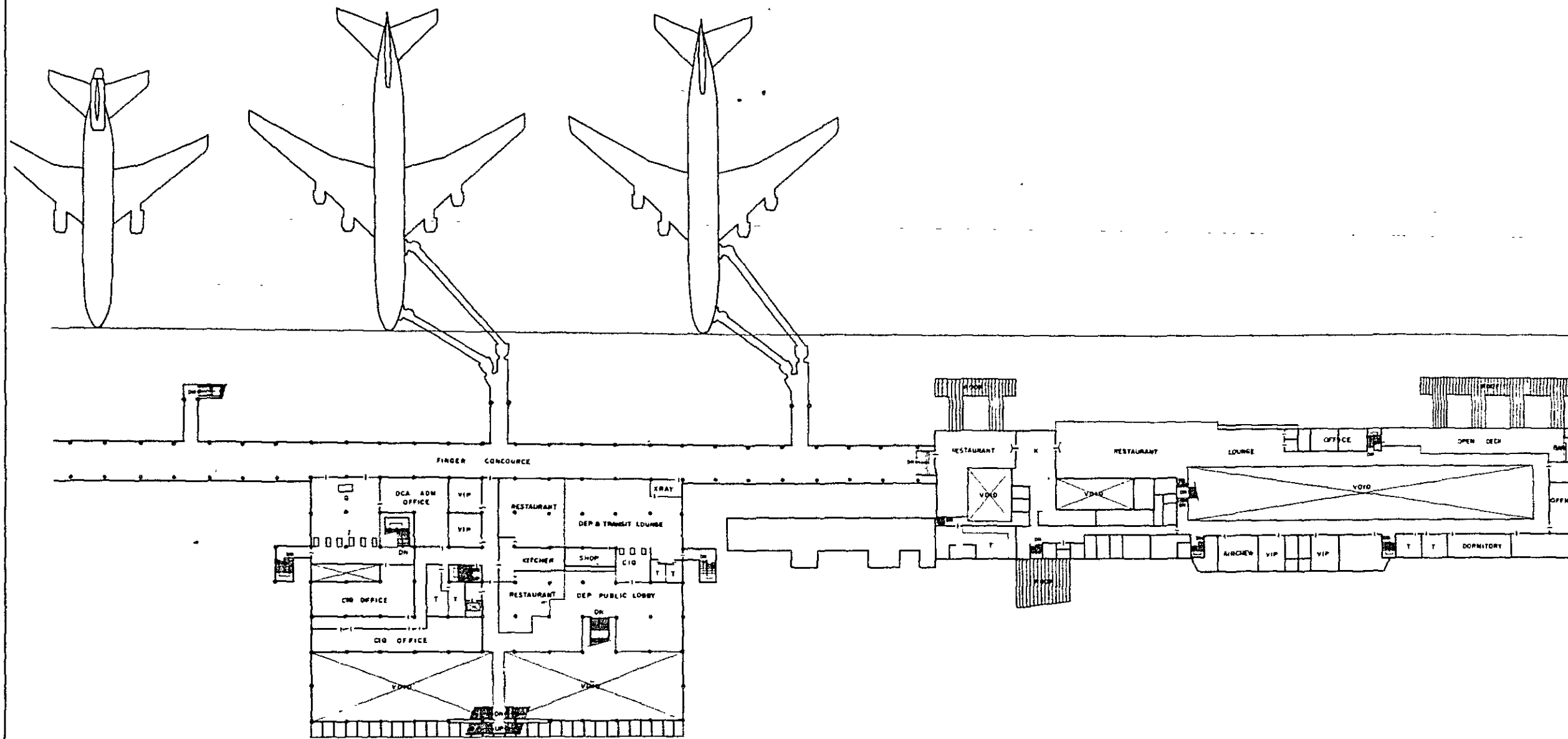
DOMESTIC PASSENGER TERMINAL BUILDING (EXISTING RENEWAL)



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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS ELEVATION SECTION PHASE I | MAR 1980 |
| FEASIBILITY STUDY | 15 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



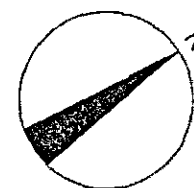
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS GROUND FLOOR PLAN PHASE I | MAR 1980 |
| FEASIBILITY STUDY | 16 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



INTERNATIONAL PASSENGER TERMINAL BUILDING

EXISTING VIP BUILDING

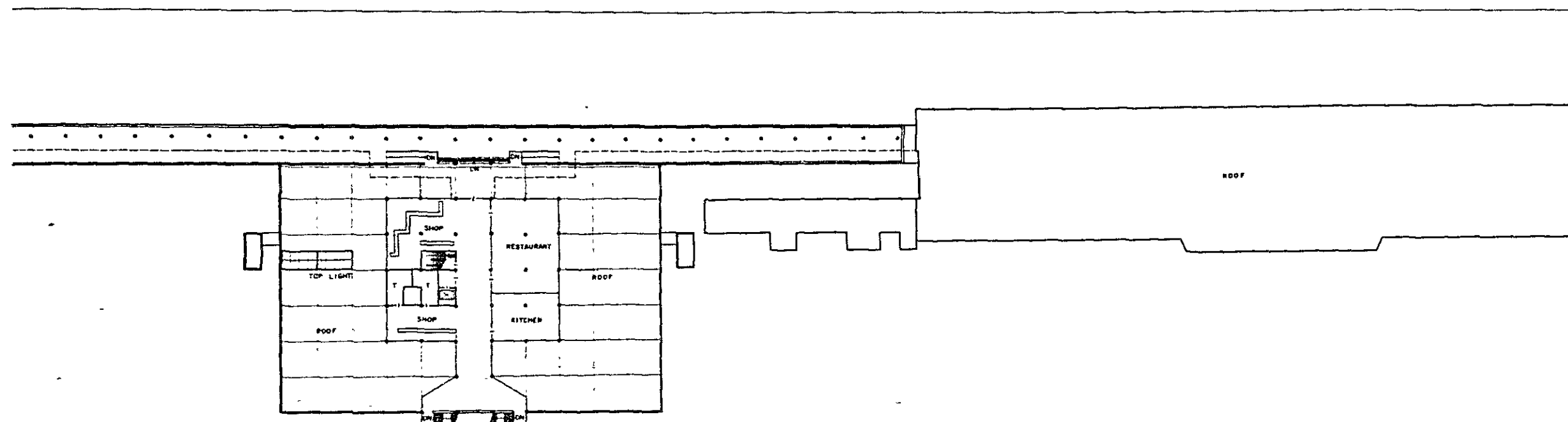
DOMESTIC PASSENGER TERMINAL BUILDING (EXISTING RENEWAL)



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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS 1ST FLOOR PLAN PHASE 1 | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

MAR 1980

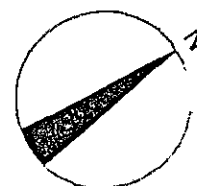
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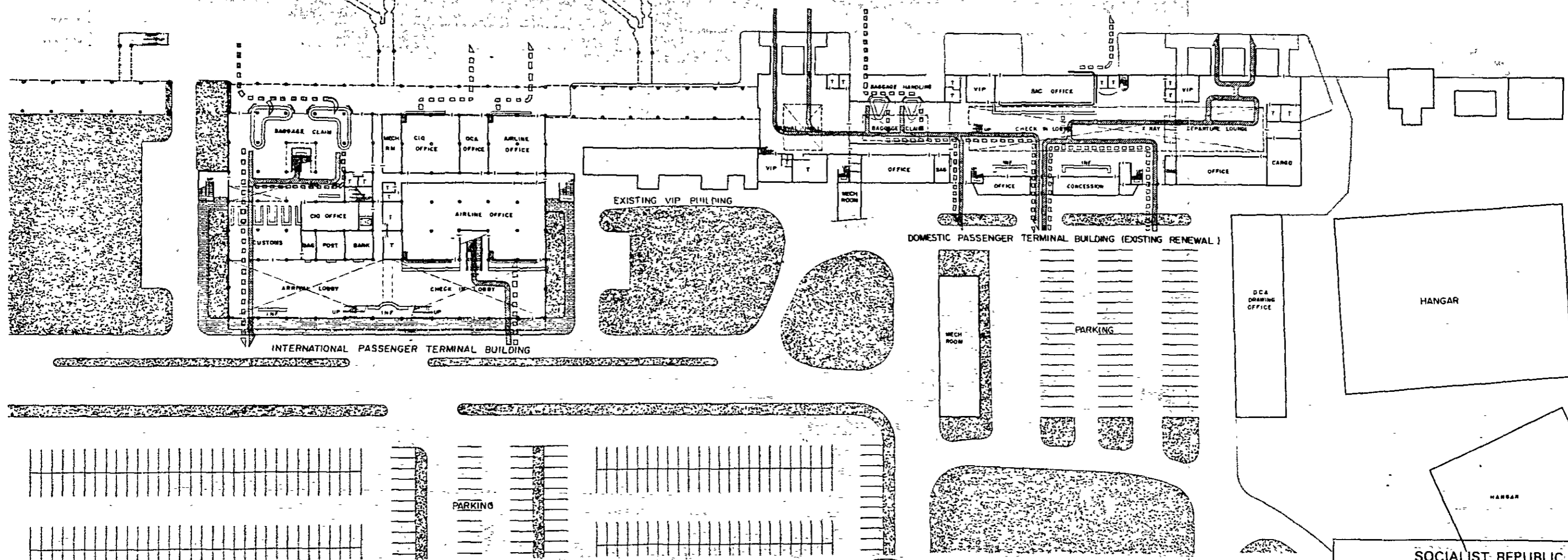
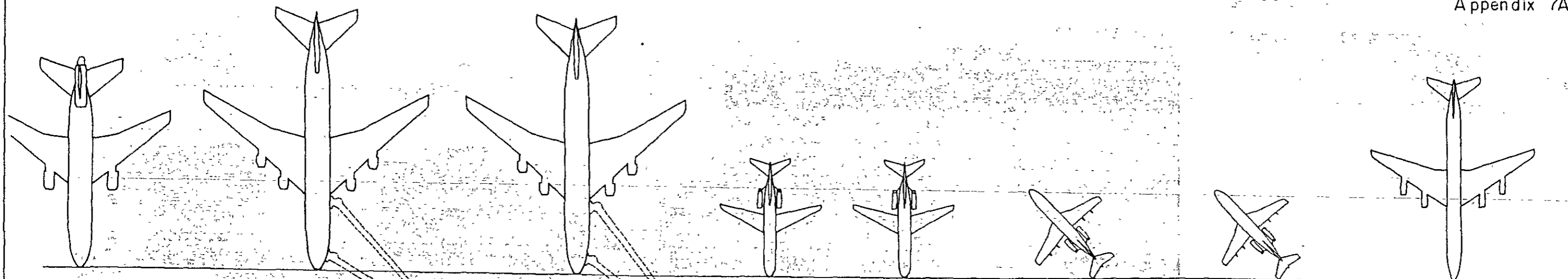
INTERNATIONAL PASSENGER TERMINAL BUILDING





EXISTING VIP BUILDING

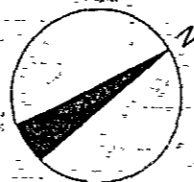
DOMESTIC PASSENGER TERMINAL BUILDING



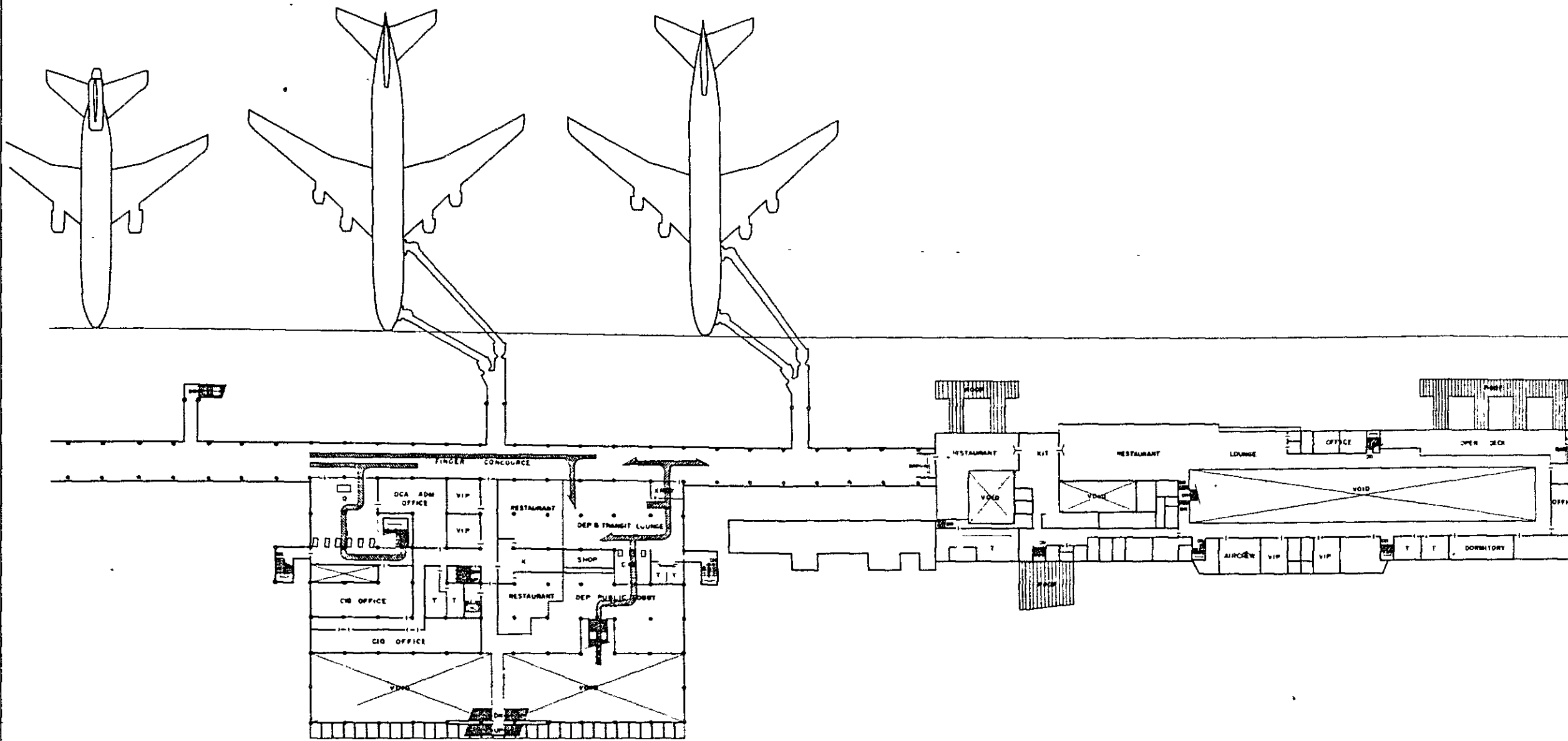
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS 2ND FLOOR PLAN PHASE I | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



-  DEPARTING PASSENGER
-  ARRIVING PASSENGER
-  DEPARTING BAGGAGE
-  ARRIVING BAGGAGE



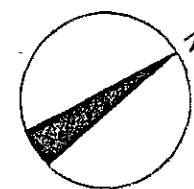
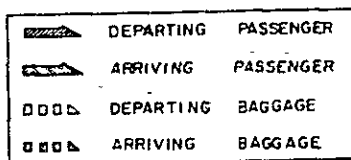
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER & BAGGAGE TRAFFIC FLOW GROUND FLOOR PLAN PHASE - I | MAR. 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



INTERNATIONAL PASSENGER TERMINAL BUILDING

EXISTING VIP BUILDING

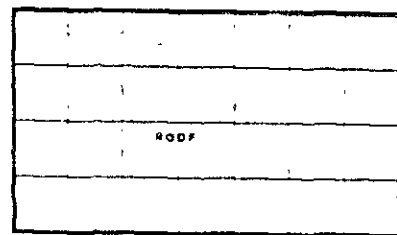
DOMESTIC PASSENGER TERMINAL BUILDING (EXISTING RENEWAL)



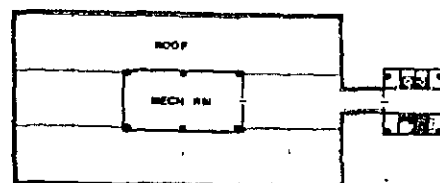
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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER & BAGGAGE TRAFFIC FLOW 1ST FLOOR PLAN PHASE I | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



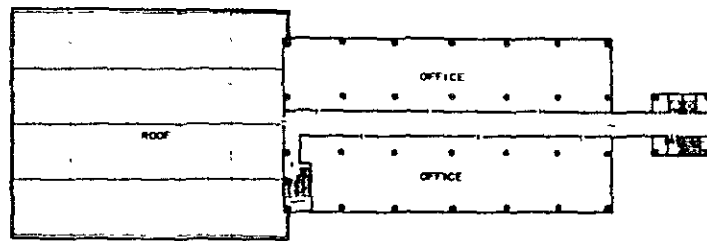
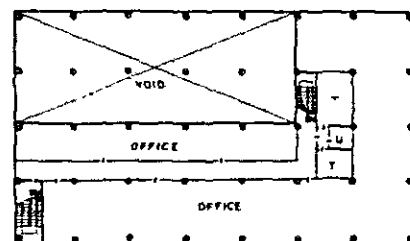
TOP FLOOR



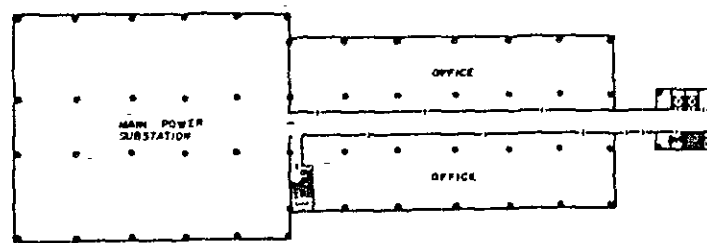
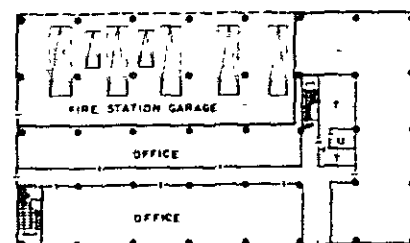
PLAN 2ND FLOOR



PLAN 1ST FLOOR



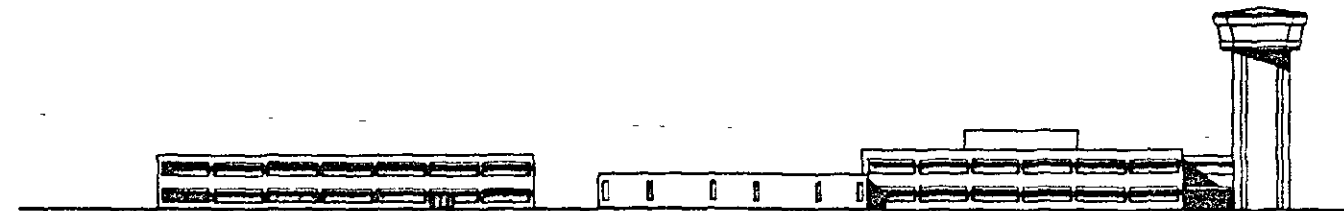
PLAN GROUND FLOOR



FIRE FIGHTING & RESCUE STATION

MAIN POWER SUB-STATION

ADMINISTRATION & OPERATIONAL BLDG CONTROL TOWER



ELEVATION



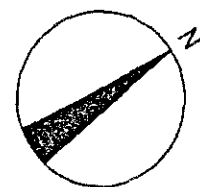
SECTION

FIRE FIGHTING & RESCUE STATION

MAIN POWER SUB-STATION

OPERATIONAL BLDG

CONTROL TOWER



SOCIALIST REPUBLIC
OF
THE UNION OF BURMA

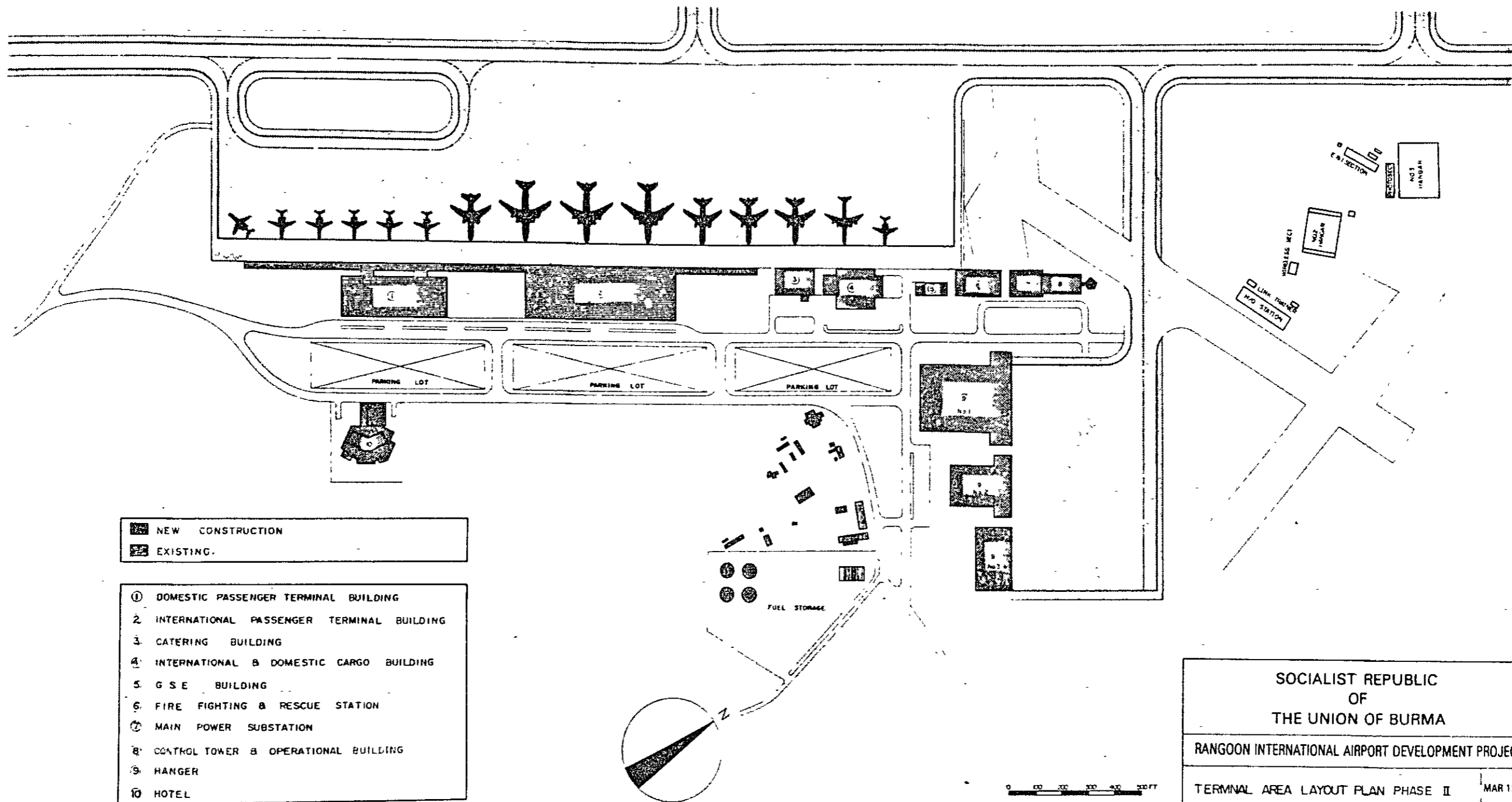
RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT

CONTROL TOWER & OPERATIONAL
MAIN POWER SUBSTATION & FIRE FIGHTING &
RESCUE STATION BUILDINGS
FEASIBILITY STUDY

MAR. 1980

21

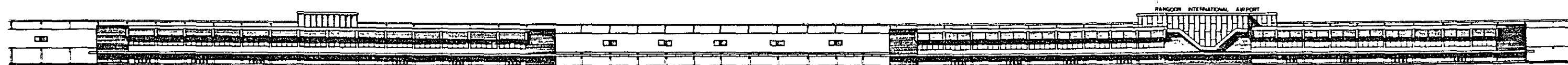
JAPAN INTERNATIONAL COOPERATION AGENCY



 NEW CONSTRUCTION
 EXISTING

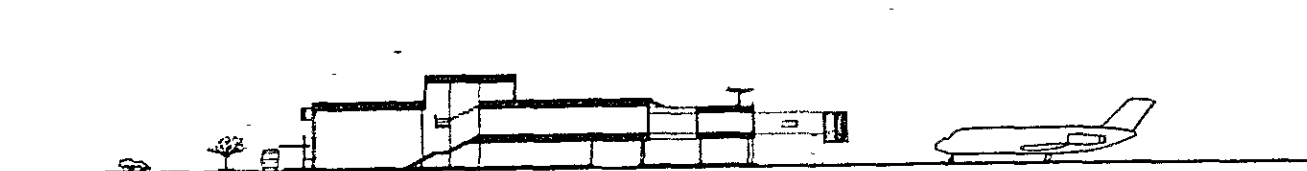
- ① DOMESTIC PASSENGER TERMINAL BUILDING
- ② INTERNATIONAL PASSENGER TERMINAL BUILDING
- ③ CATERING BUILDING
- ④ INTERNATIONAL & DOMESTIC CARGO BUILDING
- ⑤ G S E BUILDING
- ⑥ FIRE FIGHTING & RESCUE STATION
- ⑦ MAIN POWER SUBSTATION
- ⑧ CONTROL TOWER & OPERATIONAL BUILDING
- ⑨ HANGER
- ⑩ HOTEL

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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| TERMINAL AREA LAYOUT PLAN PHASE II | MAR 1980 |
| FEASIBILITY STUDY | 22 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



DOMESTIC PASSENGER TERMINAL BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING



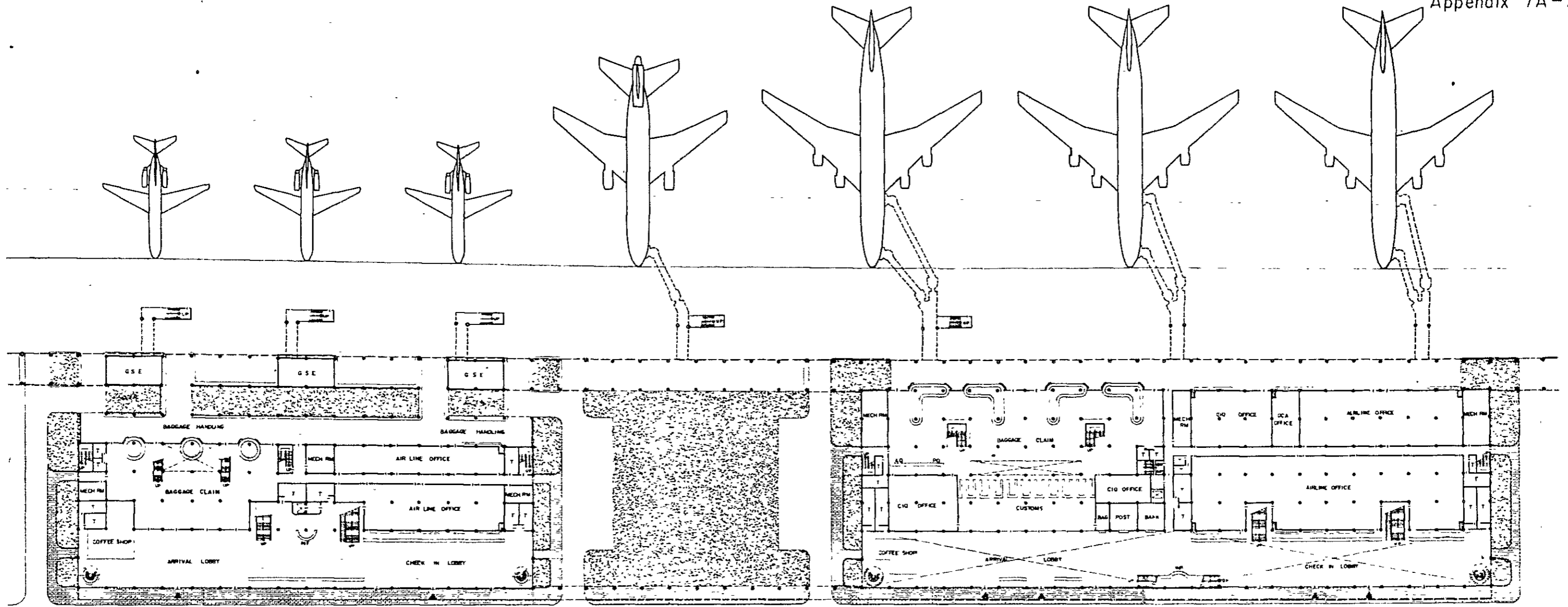
DOMESTIC PASSENGER TERMINAL BUILDING



INTERNATIONAL PASSENGER TERMINAL

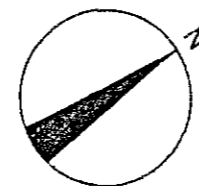
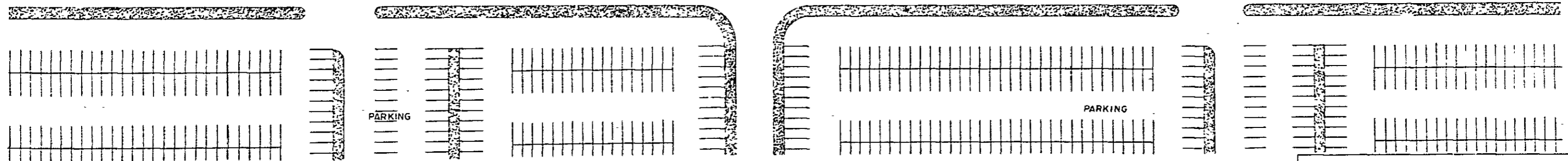


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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS ELEVATION SECTION PHASE II | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

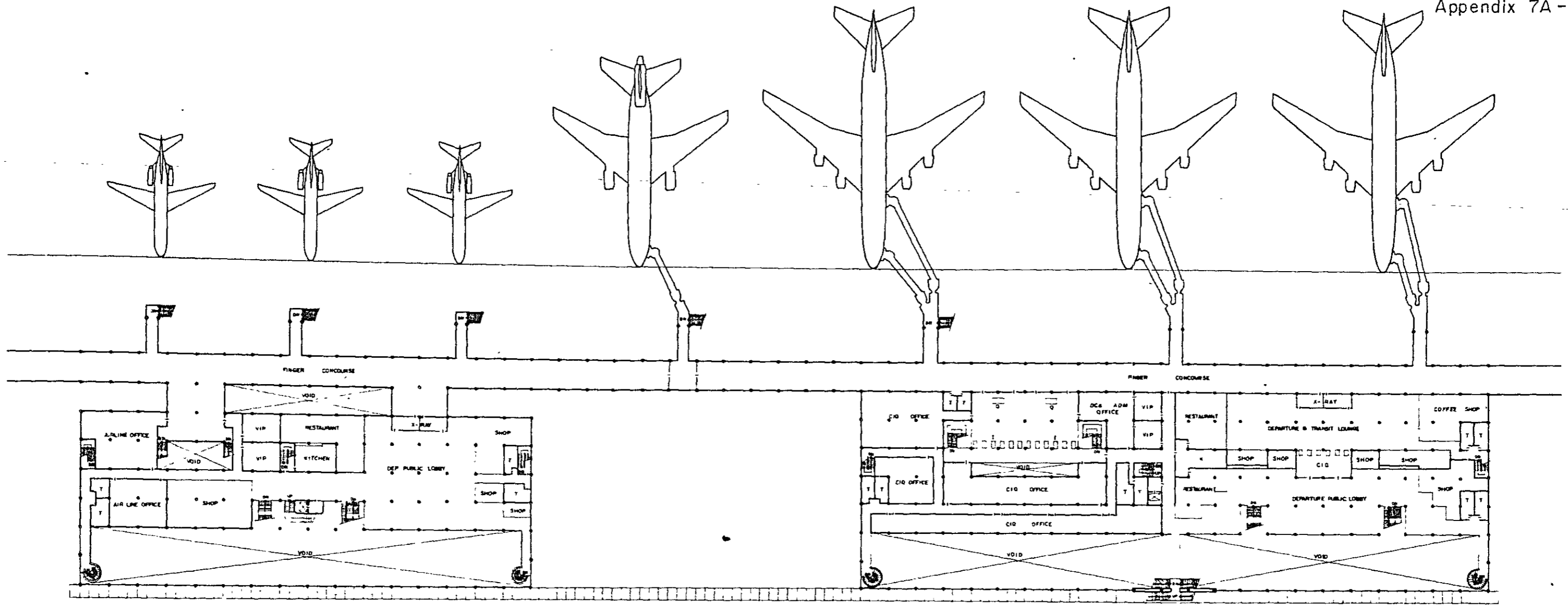


DOMESTIC PASSENGER TERMINAL BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING

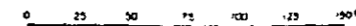
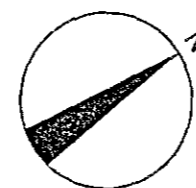


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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS GROUND FLOOR PLAN PHASE II | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

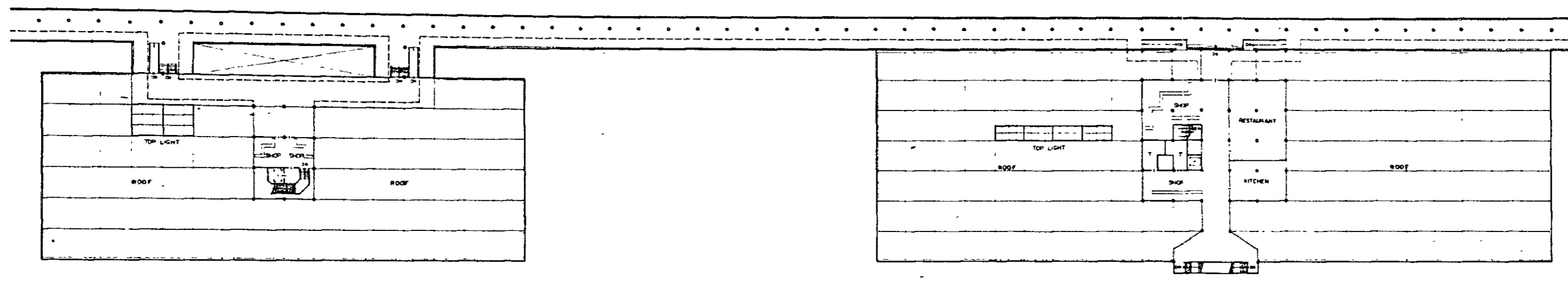


DOMESTIC PASSENGER TERMINAL BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING

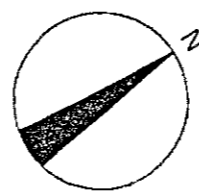


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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS 1ST FLOOR PLAN PHASE II | MAR 1980 |
| FEASIBILITY STUDY | |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |

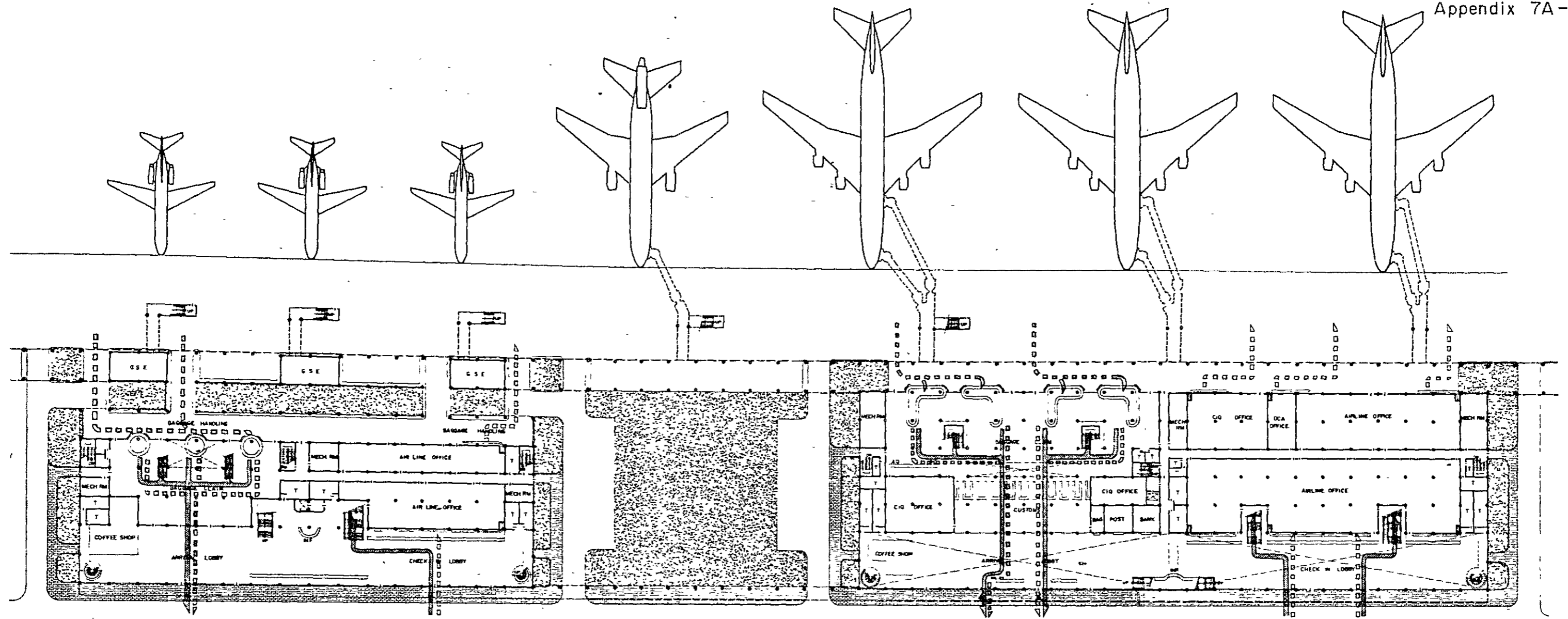


DOMESTIC PASSENGER TERMINAL BUILDING

INTERNATIONAL PASSENGER TERMINAL BUILDING

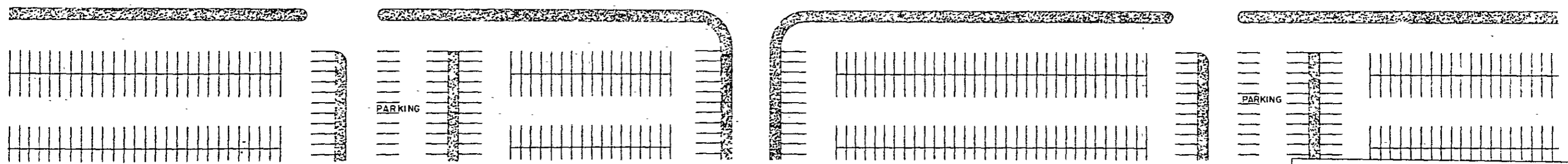


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| SOCIALIST REPUBLIC OF THE UNION OF BURMA | |
| RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT | |
| PASSENGER TERMINAL BUILDINGS 2ND FLOOR PLAN PHASE II | MAR 1980 |
| FEASIBILITY STUDY | 26 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |



DOMESTIC PASSENGER TERMINAL BUILDING

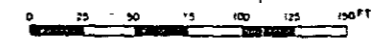
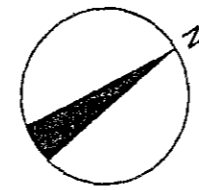
INTERNATIONAL PASSENGER TERMINAL BUILDING



PARKING

PARKING

- DEPARTING PASSENGER
- ARRIVING PASSENGER
- DEPARTING BAGGAGE
- ARRIVING BAGGAGE



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RANGOON INTERNATIONAL AIRPORT DEVELOPMENT PROJECT

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| PASSENGER & BAGGAGE TRAFFIC FLOW GROUND FLOOR PLAN PHASE II | MAR 1980 |
| FEASIBILITY STUDY | 27 |
| JAPAN INTERNATIONAL COOPERATION AGENCY | |