

CHAPTER 5

EVALUATION OF THE PROJECT

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- (1) With improvements made under this project, the SLBC will be able to meet the requirements of listeners living in the Indian subcontinent and other regions such as the Middle East. Furthermore, the SLBC will be able to improve its technical facilities to enable transmission of its External Service over a wider range, more clearly and with higher sound quality. This improvement will directly serve the purpose of Sri Lanka to further widen its international exchanges.

On the other hand, the present transmission facilities and equipment used by the SLBC are currently barely operating at a rate of only 50-80% of their normal output powers, because of the aging of equipment or shortage of parts. Thus, the taking of appropriate measures to cope with the situation is urgently called for. For such reasons as mentioned above, this project can be considered as a most timely one that will enable the Sri Lankan side to bring their present broadcasting plans to fruition.

- (2) Recently, there has been a world-wide trend for more countries to construct an increasing number of shortwave transmission facilities (simultaneous transmissions of multiple and/or co-channel frequencies are also increasing) using higher output power transmitters. Such crowding of shortwave transmissions has also been steadily going on in the direction of India and the Middle East, the direction in which the SLBC mainly broadcasts its External Service programmes. Thus, the increase in the output of shortwave transmitters to 300kW as sought by the Sri Lankan side can be considered as being quite appropriate in view of the improvement of the reception conditions.
- (3) Sri Lanka's Domestic Broadcasting Services consist of medium-wave, shortwave and FM radio services and TV service. The improvement of shortwave broadcasting facilities, which will

enable the SLBC to conduct its multi-language, simultaneous services on more than one frequency, will not only enable the SLBC to conduct services for mountainous regions and other remote areas but also will lead to improvements toward a well-balanced system to supply information throughout the country.

- (4) If the various restrictions existing in the aspect of technical facilities of the SLBC could be reduced by this improvement project, a possibility will arise for the SLBC to increase its revenue by such means as revising the air-time rates and leasing out technical facilities and equipment. Once the SLBC succeeds in achieving a financial position in which its expenditure can be sufficiently covered by its revenue, the SLBC may be able to expect gradual expansion of its broadcasting activities.
- (5) The radio broadcasting in Sri Lanka has a history of more than sixty years and now SLBC broadcasts programmes of more than 900 hours per week including domestic and external services. As mentioned in Chapter 3, zeal and efforts which the Sri Lanka's government devoted to on the expansion and sound management of radio broadcasting, has been clearly revealed in the SLBC's attitude on the maintenance and operation of broadcast equipment, and these efforts could be highly evaluated.
- (6) As mentioned above, the implementation of the Project is expected to give large effects on the activity and management of the SLBC, and the Sri Lanka's organizational cooperation on the Project are quite satisfactory, thus the need and the validity of the Project as a grant aid from Japan are fully acknowledged.

CHAPTER 6

CONCLUSION AND RECOMMENDATIONS

CHAPTER 6 CONCLUSION AND RECOMMENDATIONS

6-1 Conclusion

As explained above, the medium wave Domestic Broadcasting Service in Sri Lanka is conducted on two channels on average in each region and is considered insufficient for the multi-language services. As for the FM broadcasting, furthermore, it is quite insufficient, covering the areas of several cities only. In this sense, to establish nationwide broadcasting networks with about 17 -18 hours each for the Sinhala National, Sinhala Commercial, Tamil and English programmes, which is the final objective of the SLBC, the shortest way in terms of economy and practice is to strengthen shortwave broadcasting. Shortwave broadcasting also plays an important supplementary role to the existing medium wave and FM broadcasting.

Finally, renewal of the existing obsolete facilities for improving service is essential not only to ensure the continuation of service, but also to promote the national policy.

Meanwhile, the installation of new 300 kW transmitters would be most significant, and their effective use together with the existing 100 kW transmitters is essential for sound management by the SLBC in extending the coverage and programme hours to cope with the increase of Sri Lankans residing overseas and their requirements for a broadcasting service.

Considering all things in general, the Project can be regarded as a most appropriate one to deepen the relationship between Sri Lanka and Japan.

6-2 Recommendations

From the points explained above, the following is proposed for the smooth implementation of the Project:

- (1) to conduct appropriate measures to lengthen the lives of the two existing 100 kW shortwave transmitters.
- (2) to establish the necessary organization to ensure the construction work goes smoothly and with good cooperation.
- (3) to conduct training and education of the engineering staff on the latest technology used.

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I. Minutes of Discussions

THE MINUTES OF DISCUSSIONS ON
THE BASIC DESIGN STUDY ON
THE PROJECT FOR THE IMPROVEMENT OF
THE SHORT WAVE RADIO BROADCASTING IN
THE DEMOCRATIC SOCIALIST REPUBLIC OF
SRI LANKA

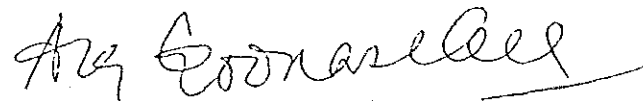
In response to the request of the Government of Sri Lanka, the Government of Japan decided to conduct a basic design study for the Project for the Improvement of the Short Wave Radio Broadcasting (hereinafter referred to as "the Project"), and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA"). JICA sent the Basic Design Study Team headed by Mr. Hajime OKAI, Director, Engineering Division, Broadcasting Bureau, Ministry of Posts and Telecommunications to carry out the study from May 18th to June 5th, 1988.

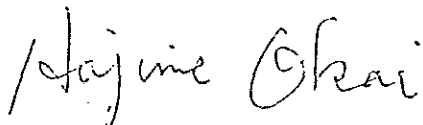
The Japanese Team had a series of discussions on the Project with the officials concerned of the Democratic Socialist Republic of Sri Lanka, and conducted the study in Ekala and other areas.

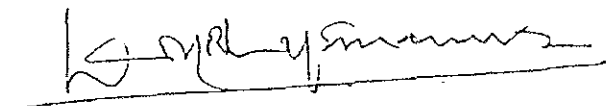
As a result of the study, both parties agreed to recommend to their respective Government authorities that the major points of understanding reached between them, attached herewith, should be examined towards the realization of the Project.

Colombo, May 26th, 1988

Mr. Hajime OKAI
Leader,
Basic Design Study Team,
JICA


Dr. Anura Goonasekera
Secretary,
Ministry of Information 26.5.88




Mr. Livy R. Wijemanne
Chairman,
Sri Lanka Broadcasting
Corporation (SLBC)

ATTACHMENT

1. Objective of the project

The objective of the Project is to expand the short wave broadcasting system of the Sri Lanka Broadcasting Corporation (SLBC) in order to achieve wide coverage of target areas overseas, to make more effective broadcast from Sri Lanka and to improve the short wave broadcast for the local listeners in Sri Lanka.

2. Organizations

Responsible Organization; Ministry of Information
Executing Organization; Sri Lanka Broadcasting
Corporation (S L B C)

3. Project Site

The site of the Project is located at Ekala, Ja Ela in Gampaha District as shown in attached map. The new building and the antennas are to be constructed at the places in the attached figure.

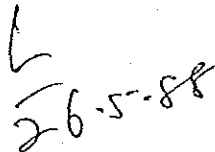
4. The Japanese Study Team will convey to the Government of Japan the intention of the Government of the Democratic Socialist Republic of Sri Lanka that the former takes the necessary measures to cooperate in implementing the Project and provide the facilities and equipment listed in Annex 1 for the Improvement of the Short Wave Radio Broadcasting under the Japan's Grant Aid programme.

5. The Government of the Democratic Socialist Republic of Sri Lanka will take the necessary measures listed in Annex 2 on condition that the Grant Aid by the Government of Japan is extended to the Project.

6. Both sides confirmed that the Japanese Study Team explained the Japanese Grant Aid Programme and Sri Lanka side understood it.

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ANNEX 1

1. Transmitting Equipment

- | | | |
|---|--------|--------|
| 1) Short Wave Radio Broadcasting Transmitter including Dummy Load | 300 kW | 2 sets |
| 2) Short Wave Radio Broadcasting Transmitter including Dummy Load | 10 kW | 4 sets |
| 3) Programme Input Equipment | | 1 set |
| 4) Equipment for Control and Supervision for Transmitters (1)) | | 1 set |
| 5) Power Supply System to Transmitters (1)) | | 1 set |

2. Antenna

- | | | |
|-------------------------|--|---------|
| 1) Transmitting Antenna | | 4 sets |
| 2) Antenna Tower | | 4 units |

3. Building

- | | | |
|---|--|----------------------------|
| 1) Building for new Transmitting System (1- 1)) | | approx. 800 m ² |
|---|--|----------------------------|

4. Others

- | | | |
|-------------------------------|--|------------|
| 1) Studio-to-Transmitter Link | | 1 set |
| 2) Test Equipment | | 1 set |
| 3) Vehicle | | 1 microbus |

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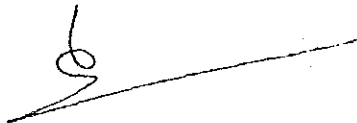
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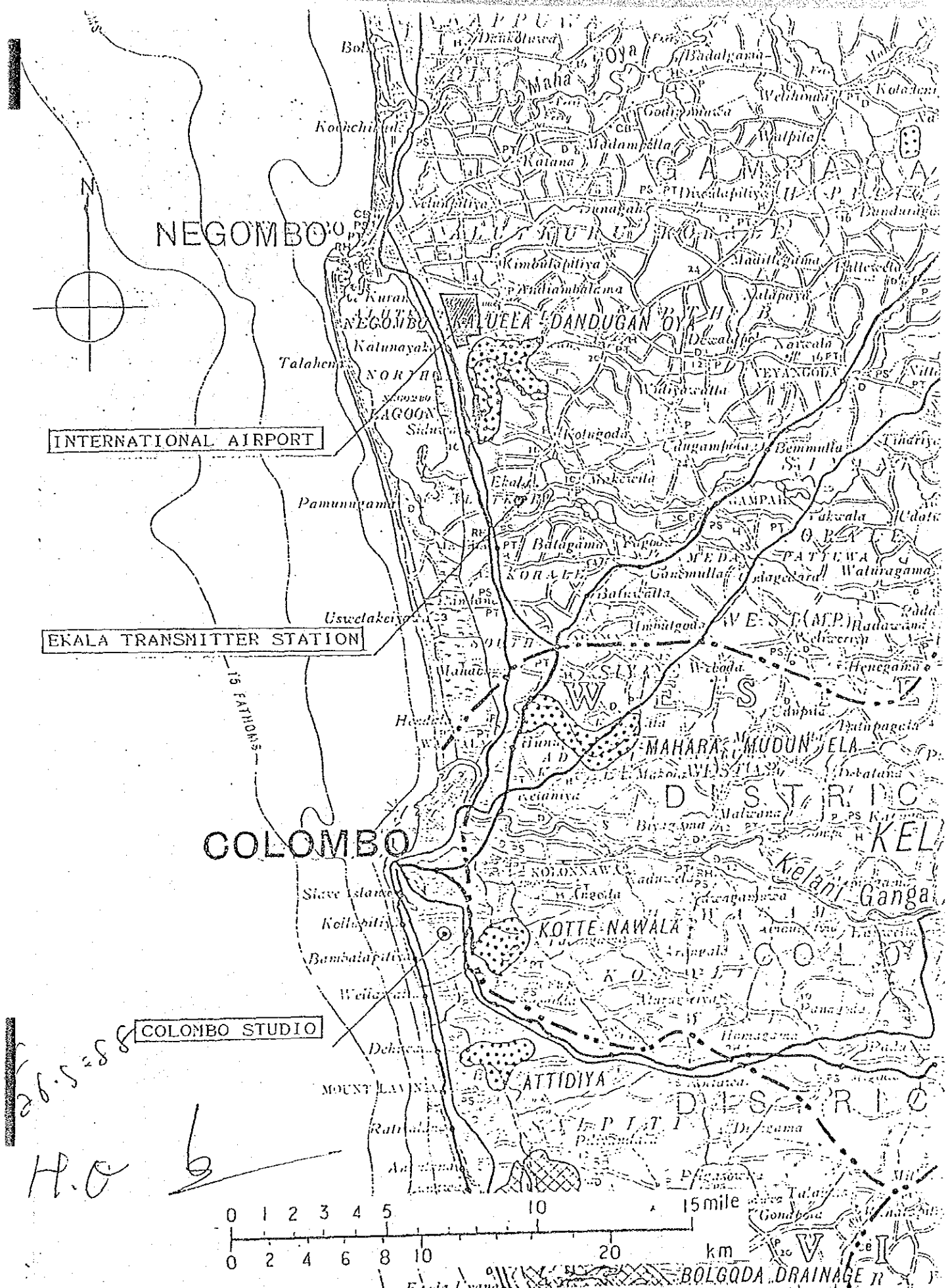
ANNEX 2

1. To provide data and informations necessary for detailed design.
2. To take necessary steps to ensure the reliable programme transmission to the transmitter site.
3. To carry out site preparation such as clearing, levelling and access road before commencement of construction works.
4. To provide facilities for distribution of electricity, drainage, communication and security.
5. To ensure prompt unloading, tax exemption, custom clearance at the port of disembarkation in Sri Lanka and prompt internal transportation of products purchased under the Grant Aid.
6. To exempt the Japanese nationals concerned from custom duties, internal taxes and other fiscal levies imposed in Sri Lanka with respect to the supply of the products and other authorizations for carrying out the Project.
7. To provide necessary permissions, licences and other authorizations for carrying out the Project.
8. To establish necessary operation and maintenance organizations in time for the completion of the Project.
9. To settle electro-magnetic interference in the vicinal area, countermeasures are to be taken by SLBC with the cooperation of consultant from Japan.

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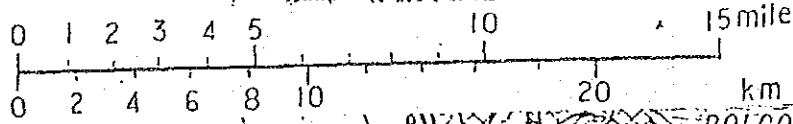
NEGOMBO

INTERNATIONAL AIRPORT

EKALA TRANSMITTER STATION

COLOMBO

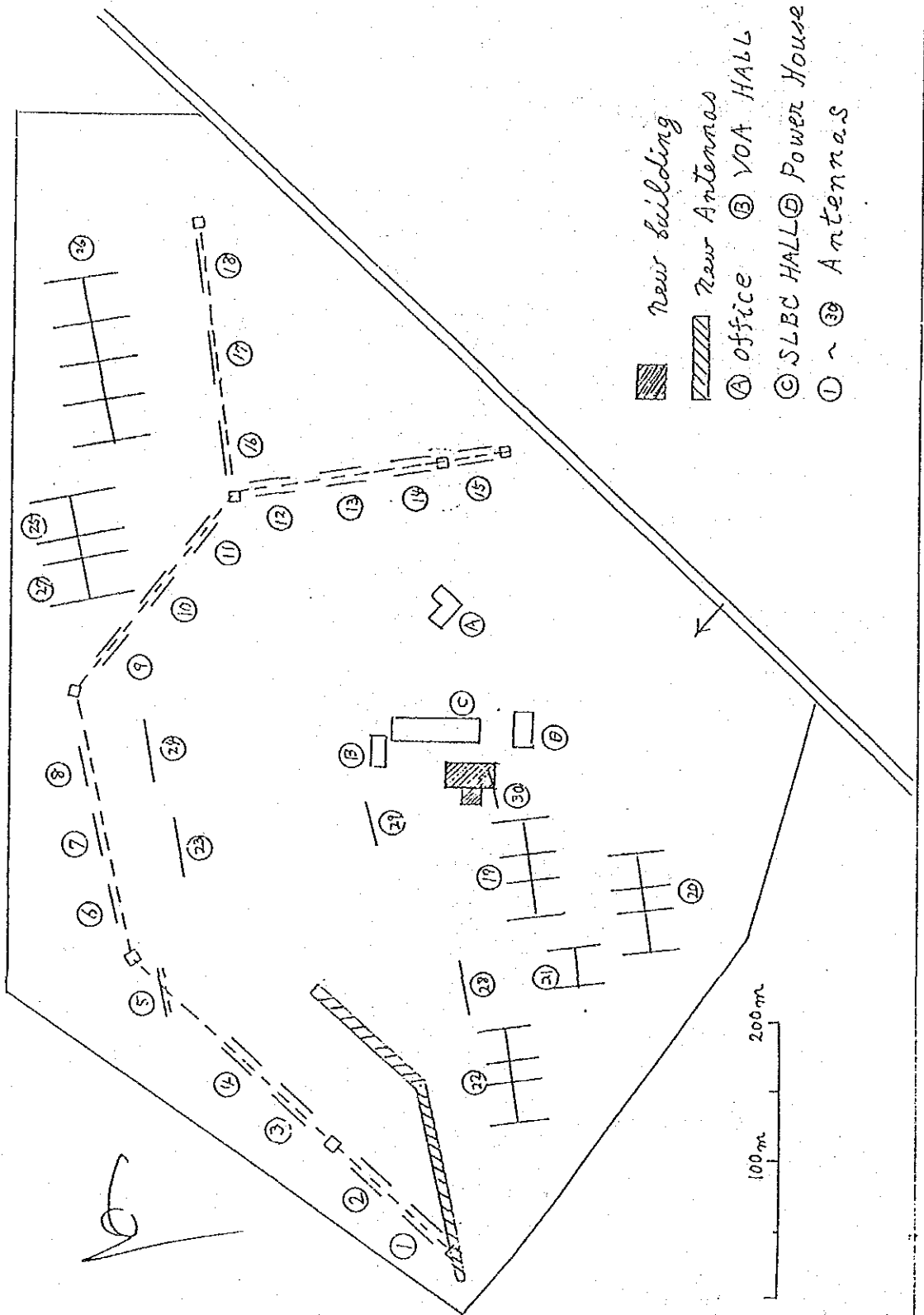
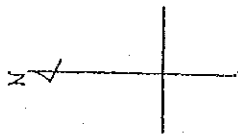
COLOMBO STUDIO










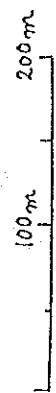
MAP SHOWING THE LOCATION OF STUDIO AND TRANSMITTER STATION

LOCATION OF FACILITIES AT EKALA TRANSMITTER STATION

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-  New building
-  New Antennas
-  office
-  VOA HALL
-  SLBC HALL
-  Power House
-  ~ Antennas



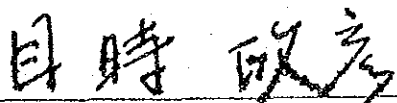
MINUTES OF DISCUSSIONS
ON THE DRAFT FINAL REPORT OF THE BASIC DESIGN STUDY
ON THE PROJECT FOR THE IMPROVEMENT
OF THE SHORT WAVE RADIO BROADCASTING
IN THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

In response to the request of the Government of Sri Lanka for the Project for the Improvement of the Short Wave Radio Broadcasting (hereinafter referred to as "the Project"), the Government of Japan decided to conduct a basic design study on the Project and entrusted the study to the Japan International Cooperation Agency (JICA). JICA sent to Sri Lanka the study team headed by Mr. Hajime OKAI, Director of Engineering Division, Broadcasting Bureau, Ministry of Posts and Telecommunications(MPT), from May 18th to June 5th, 1988.


As a result of the study, JICA prepared a draft report and dispatched a team headed by Mr. Masahiko METOKI, Assistant Director of International Cooperation Division, Communication Policy Bureau, MPT, to explain and discuss it from August 5th to 10th, 1988.

Both parties had a series of discussions on the report and agreed to recommend to their respective Governments that the major points of understanding reached between them, attached herewith, should be examined towards the realization of the Project.

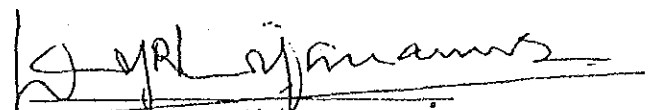
Colombo, August 9th, 1988



Mr. Masaki METOKI
Leader,
Draft Final Report
Explanation Team,
JICA



Dr. Anura Goonasekera
Secretary,
Ministry of Information



Mr. Litvy R. Wijemanne
Chairman,
Sri Lanka Broadcasting
Corporation (SLBC)



ATTACHMENT

1. The Sri Lanka side has agreed in principle on the basic design proposed in the Draft Final Report.
2. The Sri Lanka side has understood Japan's Grant Aid System and confirmed that the necessary measures will be taken by the Sri Lanka side as shown in Annex 2 of the Minutes of Discussions on the Project signed on May 26th, 1988, on condition that the Grant Aid by the Government of Japan be extended to the Project.
3. The Sri Lanka side ensured the provision of necessary budget for the effective operation and maintenance of the facilities of the Project.
4. The Final Report (10 copies in English) on the Project will be submitted to the Sri Lanka side by the end of September, 1988.

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II. Member List of the Study Team

(1) Basic Design Study

Name	Assignment and the Period	Present Post
Mr.Hajime OKAI	Team Leader (May 17-28 '88)	Director, Engineering Division, Broadcasting Bureau,Ministry of Posts and Telecommunications.
Mr.Masahiko METOKI	Broadcasting Policy Advisor. (May 17-28 '88)	Assistant Director, International Cooperation Division, Communications Policy Bureau, Ministry of Posts and Telecommunications.
Mr.Makoto KASHIWAYA	Project Coordinator (May 17-28 '88)	Second Basic Design Study Division, Grant Aid Planning and Survey Department, Japan International Cooperation Agency.
Mr.Toshinori MIURA	Broadcasting Planner (May17-June6 '88)	Acting Director, International Department, All Japan Radio & Television Engineering Services Co.,Ltd.(AJTS)
Mr.Tomiyasu SUENAGA	Transmitting & Radio Equipment Engineer. (May17-June6 '88)	Chief Engineer, International Department,AJTS
Mr.Koretaka OGATA	Antenna Equipment Planner (May17-June6 '88)	Senior Engineer, International Department,AJTS
Mr.Kiyoshi UEDA	Architectural Designer (May 17-28 '88)	Chief Engineer (RegisteredArchitect), International Department,AJTS
Mr.Fumio SATO	Programme Planner (May17-June6 '88)	Chief Engineer, International Department,AJTS

(2) Explanation and Discussion on the Draft Final Report

Name	Assignment	Present Post
Mr. Masahiko METOKI	Team Leader	Assistant Director, International Cooperation Division, Communications Policy Bureau, Ministry of Posts and Telecommunications.
Mr. Yasuhito HORIGOME		Administration Division, Broadcasting Bureau, Ministry of Posts and Telecommunications
Mr. Toshinori MIURA	Broadcasting Planner	Director, International Department, All Japan Radio & Television Engineering Services Co., Ltd. (AJTS)
Mr. Koretaka OGATA		Senior Engineer, International Department, AJTS
Mr. Kiyoshi UEDA		Chief Engineer (Registered Architect), International Department, AJTS

III. Itinerary of the Study

(1) Basic Design Study

Study Schedule (May 17 - June 6, 1988)

May			
17 (Tue)		Tokyo - Hongkong - Bangkok	
18 (Wed)		Bangkok - Colombo, Team Meeting	
19 (Thu)	AM	Meeting : JICA Office, Embassy of Japan Courtesy Call : Department of External Resources	
	PM	Courtesy Call & Meeting : SLBC	
20 (Fri)	AM	Survey : Ekala Transmitting Station	
	PM	Meeting : SLBC	
21 (Sat)		Survey : Colombo Studio	Survey : Ekala Station
22 (Sun)		Data Analysis	
23 (Mon)	AM	Courtesy Call & Meeting : Secretary of Ministry of Information	Survey : Ekala Station
24 (Tue)	AM	Discussion : SLBC	
	PM	Courtesy Call : Minister of Information	Survey : Ekala Station
25 (Wed)		Meeting : SLBC & CEB	Meeting : Meteorological Observatory, Local Constructors etc.
26 (Thu)		Discussion : SLBC Signing of Minutes	
27 (Fri)	AM	Four members leave Colombo for Bangkok and Tokyo Team Meeting	
	PM	Meeting : SLBC	Survey : Ekala Station
28 (Sat)	AM	Survey : Ekala Station	
	PM	Survey : CEB Substation, VOA Receiving Station	
29 (Sun)		Survey : Ekala Station	
30 (Mon)		Data Analysis	
31 (Tue)	AM	Data Analysis	
	PM	Discussion : SLBC	

June			
1 (Wed)	AM	Meeting : CEB	Meeting : SLTD
	PM	Meeting : SLBC	
2 (Thu)		Data Analysis (Local Election Day)	
3 (Fri)	AM	Meeting : SLTD	Survey : Ekala Station
	PM	Discussion : SLBC Survey : SLBC Studio & SPL	
4 (Sat)	AM	Meeting : SLBC	Survey : Ekala Station
	PM	Preparation for Return to Japan	
5 (Sun)		Colombo - Bangkok	
6 (Mon)		Bangkok - Tokyo	

(2) Explanation and Discussion on Draft Final Report

Aug	
4 (Thu)	Tokyo - Bangkok
5 (Fri)	Bangkok - Colombo
6 (Sat)	Explanation of Draft Final Report (SLBC) Meeting : JICA, Survey : Ekala Station
7 (Sun)	Preparation of "Minutes of Discussions"
8 (Mon)	Meeting : Dept. of External Resources and Ministry of Information. Discussion DF/R
9 (Tue)	Discussion DF/R. Meeting : CEB. Signing "Minutes of Discussions"
10 (Wed)	Colombo - Bangkok
11 (Thu)	Bangkok - Tokyo

IV. List of Interviewees

1. Ministry of Information

Minister	.....	Dr. Anandatissa De Alwis
Secretary	.....	Dr. Anura Goonasekera
Senior Assistant Secretary	.....	Ms. Kumudu Guruge
(Finance)	.....	Mr. Correy

2. Ministry of Finance and Planning

Assistant Director, Dept. of External Resources	Mr. Weerapara
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3. SLBC (Sri Lanka Broadcasting Corporation)

Chairman	Mr. Livy R. Wijemanne
Director General	Mr. Karunaratne Weeraman
Deputy Director General (Engineering)	.....	Lt. Cdr. H. P. A. L. Pinto
Deputy Director General (Programmes)	.....	Mrs. Chitra Ranawake
Deputy Director General (Administration & Finance)	.....	Mr. K. P. Kulatunga
Director of Engineering	.....	Mr. T. D. Padmasiri
Director of Finance	.....	Mr. A. Amaratunga
Superintendant Engineer	.....	Mr. K. E. M. C. Fernando
Superintendant Engineer	.....	Mr. P. B. H. Dias
Engineer	.....	Mr. K. Sonnie
Engineer	.....	Mr. T. E. M. Peiris
Engineer	.....	Mr. W. M. Botheju
Business Manager	.....	Mr. G. Sugathapala
Programme Director	.....	Ms. Neelani Miranda

4. SLTD (Sri Lanka Telecommunication Department)
 - Director Mr. M. B. Rodrigo
 - OTS (Overseas Telecommunications Service)
 - Chief Engineer Mr. Saman Ediriweera
 - Chief Engineer (Transmission Planning & Spectrum Management)
 - Mr. J. L. Jayawardena
 - Engineer (Spectrum Management)
 - Miss B. M. Perera

5. CEB (Ceylon Electricity Board)
 - Additional General Manager Mr. E. N. Wijemanne
 - Marketing Manager Mr. K. Gnanalingam
 - Chartered Electrical Engineer Mr. L. B. Kotandeniya
 - Regional System Planning Engineer, Region A
 - Mr. T. Velauthapillai

6. Embassy of Japan
 - Ambassador Extraordinary and Plenipotentiary
 - Mr. Yasuya Hamamoto
 - Second Secretary Mr. Masashi Sakuramata

7. JICA (Japan International Cooperation Agency)
 - Resident Representative Mr. Jiro Hashiguchi
 - Assistant Resident Representative .
 - Mr. Tetsuo Amagai

8. JICA Expert
 - SLRC (Sri Lanka Rupavahini (TV) Corporation)
 - Mr. Makoto Sasaki

V. List of Materials Collected

A. General Information on the SLBC

- A-1. Facts and Information
- A-2. SLBC Organization Chart
- A-3. SLBC Cadres
- A-4. Budgeted Balance Sheet - 1987
- A-5. SLBC Estimates - 1988
- A-6. External Broadcasting Services of the SLBC
- A-7. Ceylon Broadcasting Corporation Act
- A-8. Answers to the Questionnaire

B. Technical Data of the SLBC

- B-1. Information regarding the International Transmission System of SLBC
- B-2. Transmitters & Studios
- B-3. Block Diagram of Transmitters

C. Related Information

- C-1. Summary Statistics 1986
C.E.B. (Ceylon Electricity Board)
- C-2. Planning and Building Regulations
U.D.A. (Urban Development Authority)

JICA