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1. Member List of the Study Team

(1) Basic Design Study

Name	Assignment	Present Post
Mr. Tomoyuki NAITO	Leader of Basic Design Study Team	Staff, Third Project Management Division, Grant Aid Management Department, JICA
Mr. Eiichi WATANABE	Technical Advisor	Assistant Director, Ministry of Public Management, Home Affairs, Posts and Telecommunications
Mr. Osamu IIJIMA	Chief Consultant / TV Program Planning	NHK Integrated Technology Inc.
Mr. Hideo HIROBA	Machinery Planning I / Editing Machinery	NHK Integrated Technology Inc.
Mr. Ikuo WATANABE	Machinery Planning II / Recording Machinery	NHK Integrated Technology Inc.
Mr. Seiichi UEDA	Procurement Planning / Estimation	NHK Integrated Technology Inc.

(2) Explanation of Draft Basic Design Study

Name	Assignment	Present Post
Mr. Yuji OTAKE	Leader of Draft Repot Explanation Team	Deputy Resident Representative JICA Indonesia Office
Mr. Osamu IIJIMA	Chief Consultant / TV Program Planning	NHK Integrated Technology Inc.
Mr. Hideo HIROBA	Machinery Planning I / Editing Machinery	NHK Integrated Technology Inc.
Mr. Seiichi UEDA	Machinery Planning II / Recording Machinery	NHK Integrated Technology Inc.

2. Study Schedule

(1) Basic Design Study

Date			Activities				
			Official members	Consultant Members			
			Tomoyuki NAITO Eiichi WATANABE	Osamu IIJIMA	Hideo HIROBA	Ikuo WATANABE	Seiichi UEDA
1	8/ 19	Sun	Leaving in Narita (10:55, JL725) Arriving in Jakarta				
2	20	Mon	(1) Courtesy call to Embassy of Japan, JICA office, BAPPENAS, and Ministry of Finance (2) Meeting with TVRI (Explanation on an Inception report and submission of questionnaire)				
3	21	Tue	Field survey	Field survey ((a) current situation (b) confirmation of equipment required one by one, (c) evidence of the necessity for equipment required), and consulting TVRI on SOW (Scope of Works)) .			
4	22	Wed	Field survey	Field survey ((1) Field survey (continue a previous day’s work) (2) Consultation with TVRI about M/D (Minutes of Discussions)			
5	23	Thu	(1) Meeting with TVRI (2) Signing on the Minutes of Discussions (16:00)				
6	24	Fri.	(1) Report to EOJ, JICA office ----- (2) Mr. WATANABE Returning to Japan, JKT (23:30)	Request for the nomination of counterparts for this project (total 4 persons, if possible) and meeting with assigned counterparts			
7	25	Sat		Inner meeting			
8	26	Sun	Mr NAITO will join to other mission	Day off			
9	27	Mon		Interview with TVRI Project Manager for questionnaire -----			
				Interview with person in charge of program production for questionnaire	Interview with person in charge of editing equipment for questionnaire	Interview with person in charge of camera / VTR / tape storage system for questionnaire	Interview with in charge of cost estimation for questionnaire
10	28	Tue		Same as the above	Same as the above	Same as the above	Same as the above
11	29	Wed		(1) Study of TVRI management system and picking up of the point which needs clarifying (a) Revenue and expenditure (b) Subscription fee system (c) Operation and management (d) Personnel management (e) Programming plan	Project site survey for editing equipment	Project site survey for camera/ VTR/ tape storage	Collection of data such as; (a) Data of Census, (b) Miscellaneous price, (c) Data published by Agency of Statistics (d) Current situation of equipment procurement in Indonesia etc
12	30	Thu				Same as the above	
13	31	Fri.			Same as the above	Accompany with news gathering group to an accident site	
14	9/1	Sat		Inner meeting			
15	2	Sun		Day off			
16	3	Mon		(1) Study of TVRI management system and picking up of the point which needs clarifying (a) Program production system (b) Training system (c) National development plan and other donor’s plan (2) Visiting to Commercial TV stations (RCTI, SCTV, Indosiar) (3) Visiting to TVTC and RTC, and interview about the necessity of Training	(1) Study of technical and economical adequacy, effect, appropriate scale, and major undertakings to be taken by recipient country side in the project (2) Checking up an real editing works regarding news program (3) Visiting to Commercial TV stations (RCTI, SCTV, Indosiar) (4) Visiting to TVTC and RTC, and interview about the necessity of Training	(1) Study of regard to; (a) Operation, maintenance and management plans, (b) Realization and sustainability of effected beneficial effects by the project, when it is implemented. (2) Study items (a) Current situation of the aid from others donors (b) Study of block diagram of broadcasting facilities (c) Study of broadcast service area (d) Collection of data on the operation & maintenance budget (3) Checking up MCR system (4) Visiting to Commercial TV stations (RCTI, SCTV, Indosiar) (5) Visiting to TVTC and RTC, and interview about the necessity of Training Creation of the block diagram of MCR system	(1) Study of the basic design and cost estimation of the Project (a) Visiting to similar facilities (b) Study of relevant laws (c) Study of equipment procurement (d) Study of sale agent in the sector of equipment (e) Study of workers market (f) Collection of procurement data (2) Visiting to Commercial TV stations (RCTI, SCTV, Indosiar) (3) Visiting to TVTC and RTC, and interview about the necessity of Training
17	4	Tue					
18	5	Wed					
19	6	Thu		(1) Study of laying out a plan and discussion items in implementation		Creation of the block diagram of the studio recording VTR system	
20	7	Fri.		(2) Current situation of business profit	Creation of the block diagrams of 1:1 editing equip. for 6 rooms	Creation of the block diagram of the	
21	8	Sat		Inner meeting			
22	9	Sun		Day off			
23	10	Mon		(1) Study of project implementation capability in the recipient country (a) Current situation of maintenance system (b) Current situation of training center	Same as the above	Creation of block diagram of news production room and common room	
24	11	Tue			Creation of the block diagrams of A-B roll editing equip for 2 rooms	Creation of block diagram of VTR tape control room	Request for submission of cost estimation (Ex. transportation, insurance etc)
25	12	Wed			Creation of a block diagram of nonlinear editing equip	Creation of block diagram of VTR tape storage room	Same as the above
26	13	Thu			Making out of a short summary of site survey	Same as the above	Same as the above
27	14	Fri.			. Same as the above	Making out of a short summary of site survey	Same as the above
28	15	Sat		Inner meeting			
29	16	Sun		Day off			
30	17	Mon		Making out of a short summary of site survey	Same as the above	Same as the above	Making out of a short summary of site survey
31	18	Tue		Same as the above	Same as the above	Same as the above	Same as the above
32	19	Wed		(1) Consultation with TVRI about a memorandum (2) signing on a memorandum by both parties			
33	20	Thu		Reporting to TVRI and relevant Ministries, and consultation about the coming works			
34	21	Fri.		Reporting to Embassy of Japan and JICA office. (2) Leaving in Jakarta for Narita (23:30, JL726)			
35	22	Sat		Arriving in Narita (08:35)			

(2) Explanation of Basic Design Study (Draft Report)

	Date		Activities		Stayed in	Remarks
			Official member	Consultant members		
1	11/18	Sun		Leaving in Narita(11.00) Arrived in Jakarta(16.45)	Jakarta	
2	11/19	Mon	(1) Courtesy call to Embassy of Japan, JICA, BAPPENAS, and Ministry of Finance (2) Meeting with TVRI		Jakarta	
3	11/20	Tue	Meeting with TVRI: Draft Report Explanation		Jakarta	
4	11/21	Wed			Jakarta	
5	11/22	Tus			Jakarta	
6	11/23	Fri	(1) Repotting to Embassy of Japan, JICA, BAPPENAS and Ministry of Finance. (2) Signing on M/D		Jakarta	
7	11/24	Sat		Jakarta	Jakarta	
8	11/25	Sun		Jakarta	Jakarta	
9	11/26	Mon		Explanation to TVRI in details	Jakarta	
10	11/27	Tue		Leaving in Jakarta	Jakarta	
11	11/28	Wed		Arrived in Narita		

3. List of Parties Concerned in the Recipient Country

(1) Embassy of Japan in Indonesia

First Secretary Telecom Attache Yasuki KURATA

(2) JICA Indonesia Office

Resident Representative Michio KANDA

Deputy Resident Preventative Dr. Makoto INABA

Assistant Resident Representative Takeshi OKODA

(3) JICA Expert

Belong to TVRI Asahi OSUMI

Belong to Maintenance Center Yoshikazu HABU

(4) Ministry of Finance

Direktorat Jenderal Pembinaan Bumh

Drs. Sahara Hutasoit, Kasubdit Perusahaan Umum I

(5) BAPPENAS

Bureau Chief for Transportation, Post, Telecommunication and Information,

Imron Bulkin, Ph. D

Advisor, Foreign Aid Coordination and Management,

Akira OKUYAMA

(6) Department of Communications

Directorate General of Posts and Telecommunications

JICA Expert Keiji MIKI

(7) Television Republic of Indonesia (TVRI)

Sumita Tobing, Ph. D Presidential Director

Achmad S. Adiwidjaja Director of Engineering

Sumpena General Manager

Yon Anwar Head of News Division

Ms. Nunuk Charge of Programming

< Project Members >

- 1) Coordinator; Drs. Widyanto, Msc
- 2) Vice Coordinator; Endro Utomo
- 3) Secretary; Ir. Syafrullah; Mr. UEDA's counterpart
- 4) Member; T. Sudibyanto; Mr. HIROBA's counterpart
Suwanto; Mr. WATANABE's counterpart
Ir. Damaidi; Mr. IIJIMA's counterpart
Herman Suwoto;
Ade Manila S.Sos
Tegue Siswa Irianto

(8) TVTC

Bakri Head of TVRI Training Center

(9) Commercial TV Stations

- 1) RCTI (Rajawali Citra Televisi Indonesia)
 - Deputy Editor-in-Chief, Mr. Atmadji Sumarkijo
 - Public Relation Manager, Mr. Teguh Juwarno
 - Head of Facility, Mr. Gusti Irwin
- 2) SCTV (Surya Citra Televisi)
 - News Senior Manager, Mr. Don Sosco Selamun
 - Journalist, Mr. Janus T. h. Siahaan
 - Head of Facility, Technical Operation Dep. Mr. Gusti Irwin
- 3) Metro TV
 - Technical Manager, Mr. Rico Istianto

(10) PT. GALVA (Maintenance Company for SONY Product)

- 1) Director, Mr. Herman Susastro
- 2) Manager, Engineering Department, Mr. Haryanto Hamid

(11) PT. SENJAYA BERSAMA UTYAMA (Maintenance Company for PANASONIC Product)

- 1) President Director, Mr. Hengky Senjaya
- 2) Engineering Ass. Manager, Mr. Andika Imam Manager
- 3) Sales Support Manager, Mr. Albar Daengparani

(12) DATASCRIP (Sales Company of Tape Storage Shelf)

- 1) Division Manager, Mr. Tjahyadi Kumbang
- 2) Business Executive, Mr. Andri Syarief
- 3) Business Executive, Mr. Rika Purbasari

(13) PT. BOSTINCO (Sales Company of Tape Storage Shelf)

- 1) Sales Supervisor, Ir. S. Pramono

4. Minutes of Discussion

4.1 Minutes of Discussions on the Basic Design Study

Minutes of Discussions
on the Basic Design Study
on the Project for Improvement of Broadcasting Equipment
for TVRI Jakarta News Division
in the Republic of Indonesia

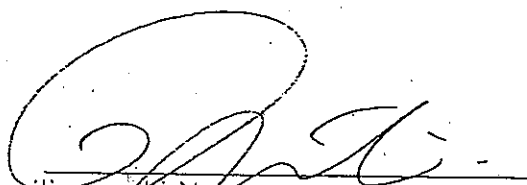
In response to the request from the Government of the Republic of Indonesia (hereinafter referred to as "Indonesia"), the Government of Japan decided to conduct a Basic Design Study on the Project for Improvement of Broadcasting Equipment for TVRI Jakarta News Division (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Indonesia the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Tomoyuki Naito, An officer of the Grant Aid Management Department, JICA, and is scheduled to stay in the country from August 19 to August 26, 2001.

The Team held discussions with the concerned officials of the Government of Indonesia.

In the course of the discussions, both parties have confirmed the main items of described on the attached sheets. The Team will proceed to further works and prepare the Basic Design Study Report.

Jakarta, August 23, 2001.



Tomoyuki Naito

Leader

Basic Design Study Team

Japan International Cooperation Agency

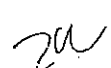


Sumita Tobing, Ph.D.

President Director

Television of the Republic of Indonesia

Republic of Indonesia



ATTACHMENT

1. OBJECTIVE

The objective of the Project is to raise the level of quality on broadcasting operation, and improve the productivity of news and other related program making by TVRI Jakarta News Division.

2. PROJECT SITE

The site of the Project is shown in Annex-1.

3. RESPONSIBLE ORGANIZATION AND IMPLEMENTING AGENCY

(1) Responsible Organization : Ministry of Finance

(2) Implementing Agency : Television of the Republic of Indonesia (TVRI)

The organization chart of TVRI is shown in Annex-2.

4. ITEMS REQUESTED BY THE GOVERNMENT OF INDONESIA

After discussions with the Team, the following were finally requested by the Indonesian side. JICA will assess the appropriateness of the request and will recommend to the Government of Japan for approval.

- (1) 1 to 1 Editing System
- (2) A/B Roll Editing System
- (3) Non-linear Editing System
- (4) On-Air VTR System
- (5) Foreign Program Recording System
- (6) Camera Shooting System,
Camcorder & Peripheral Equipment
- (7) Studio Recording VTR System
- (8) Character Generator / CG System
- (9) Digital Archive System
- (10) Repair Parts

5. JAPAN'S GRANT AID SCHEME

5-1 The Indonesian side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Indonesia explained by the Team as described in Annex-3.

5-2 The Indonesian side will take necessary measures, as described in Annex-1, for smooth implementation of the Project as a condition for the Japanese Grant Aid to be implemented.

6. SCHEDULE OF THE STUDY

- (1) The consultants will proceed to further studies in Indonesia by September 21, 2001.
- (2) JICA will prepare the draft report in English and dispatch a mission to Indonesia in order to explain its contents in November, 2001.
- (3) In case that the contents of the report are accepted in principle by the Government of Indonesia, JICA will complete the final report and send it to the Government of Indonesia by February, 2002.

7. OTHER RELEVANT ISSUES

(1) Equipment procurement

The Team explained to the Indonesian side that all the equipment procured under Japanese Grant Aid should be procured by tendering. The Indonesian side understood that without any written permission from the Government of Japan, any supplier would not be qualified in advance.

(2) Necessity of technical training

For the sake of the technology transfer of how to operate the machinery, the Indonesian side requested the technical training. The Team understood its necessity, and will study the detail of the technical training methods and timing. The results will be explained in the draft report.

(3) Cooperation by other donors

The Team confirmed that the Indonesian side have not received other cooperation from donors, and will inform to the Japanese side of other donors' cooperation plan without fail in case it would be considered.

(4) Operation and maintenance cost for new equipment

The Indonesian side will allocate the necessary budget and personnel for execution of the Project.

(5) Undertakings required by the Government of the Indonesia

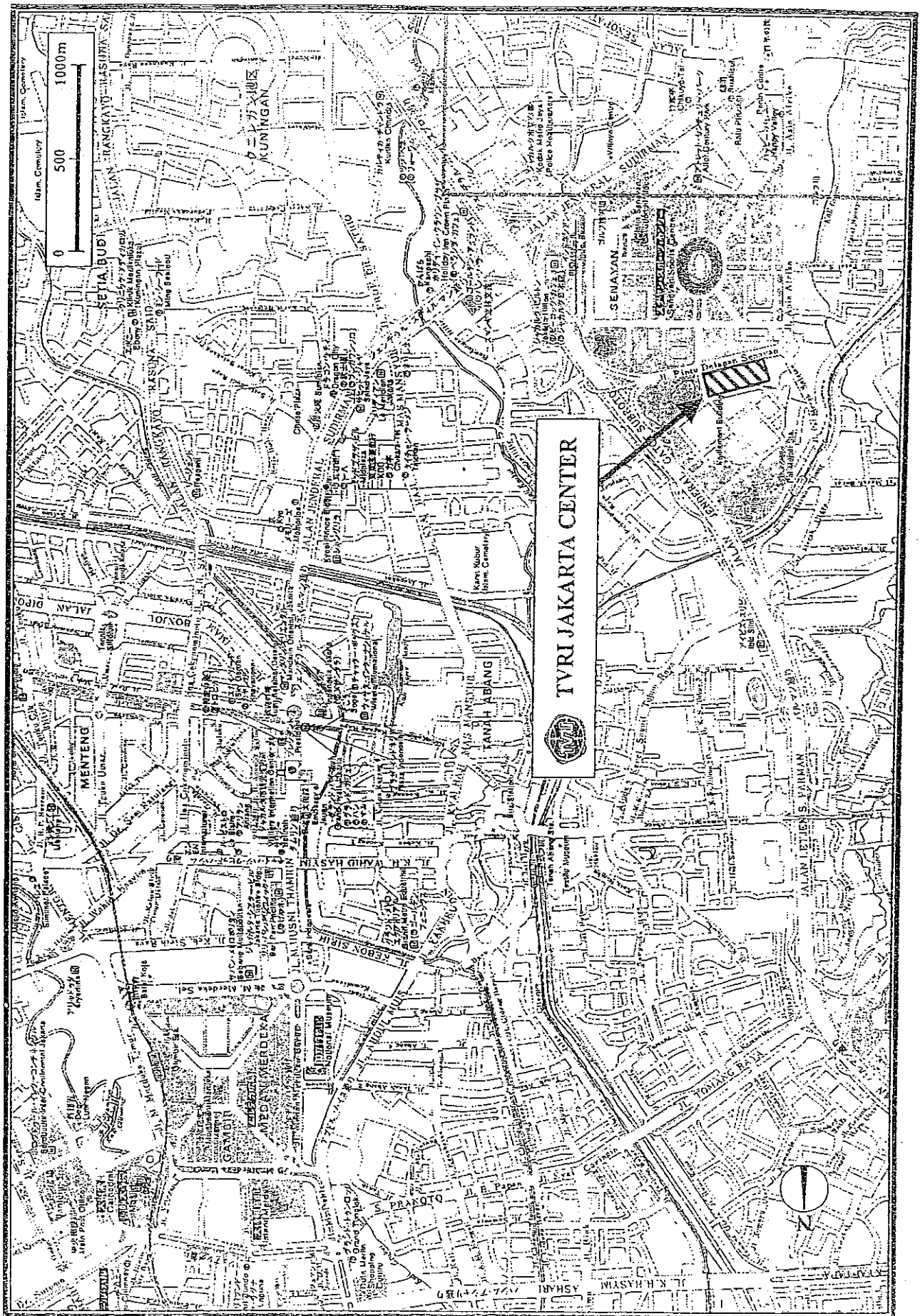
The Indonesian side confirmed that they should take necessary measures for the tax exemption including VAT and customs clearance.

(6) The name of the Project

Both sides confirmed that the name of the Project should be modified and revised as "The Project for Improvement of Broadcasting Equipment for TVRI Jakarta News Division", after the consideration of the contents of final request.

- (7) The Team explained to the Indonesian side that the size and volume of total requested items should have a possibility of downsize or reduction, because of the TVRI's limited budgetary situation for equipment maintenance. The Indonesian side understood the Team's explanation, and agreed to wait for the proposal from the Team, which will be explained in the draft report.
- (8) The Indonesian side commented to the Team that the contents of the Digital Archive System could be reconsidered to smaller size with the minimum function for record saving. The Team understood the comment of the Indonesian side, and the results of analysis will be explained in the draft report.

■ SITE MAP OF TVRI



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(Organization Chart of TVRI)

STRUKTUR KANTOR PUSAT PERUSAHAAN JAWATAN TVRI

Commissions

ISHADI, SK
IF. DEWABRATA
ABIS. HUSAIN
FINANCE. DEPT.

Annex-2

(Secretarial)

DIREKTUR
UTAMA
(President Director)

SITUASI PERKEMBANGAN
MEDIUM

(In-House
Supervisors)

Marketing

Production

Technical

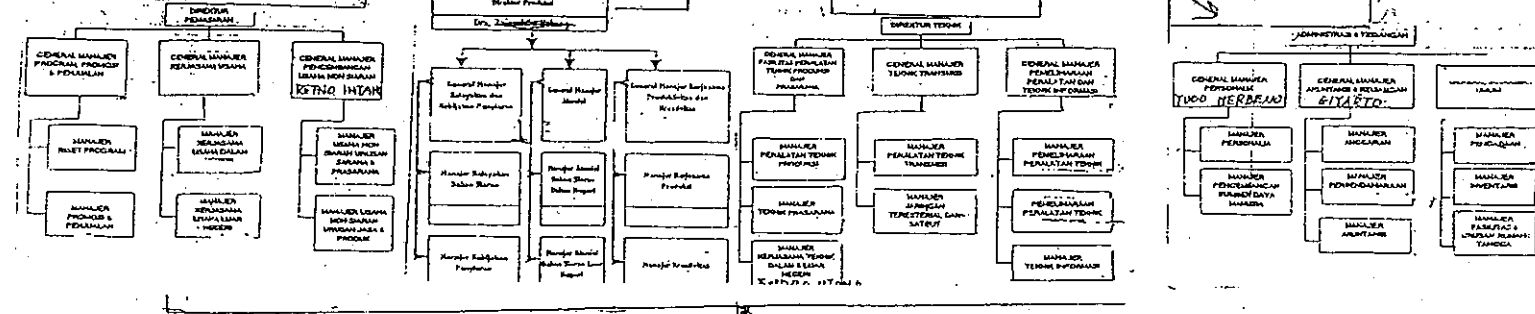
Account

(Director)
DIREKTUR
PEMASARAN

(Director)
DIREKTUR
PRODUKSI

(Director)
DIREKTUR
TEKNIK

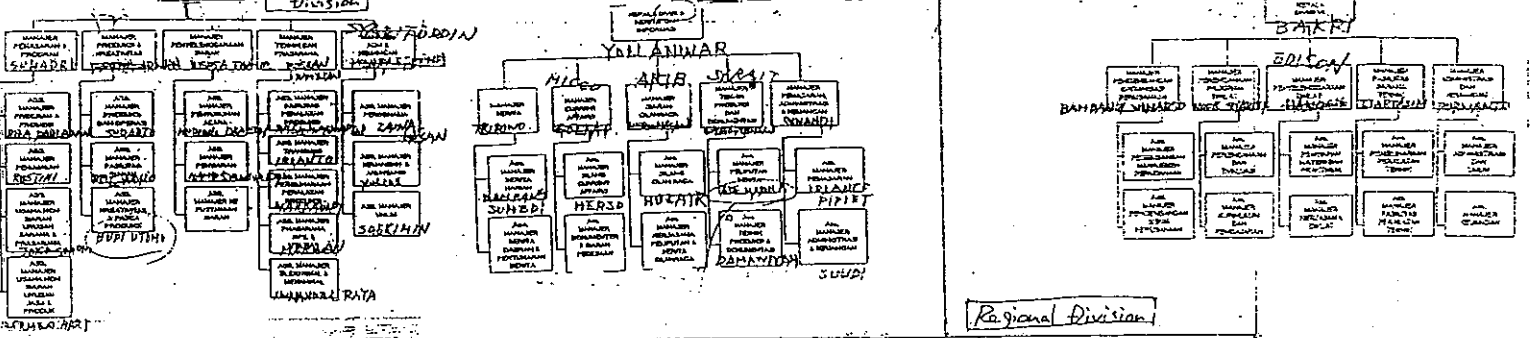
(Director)
DIREKTUR ADM
& KEUANGAN



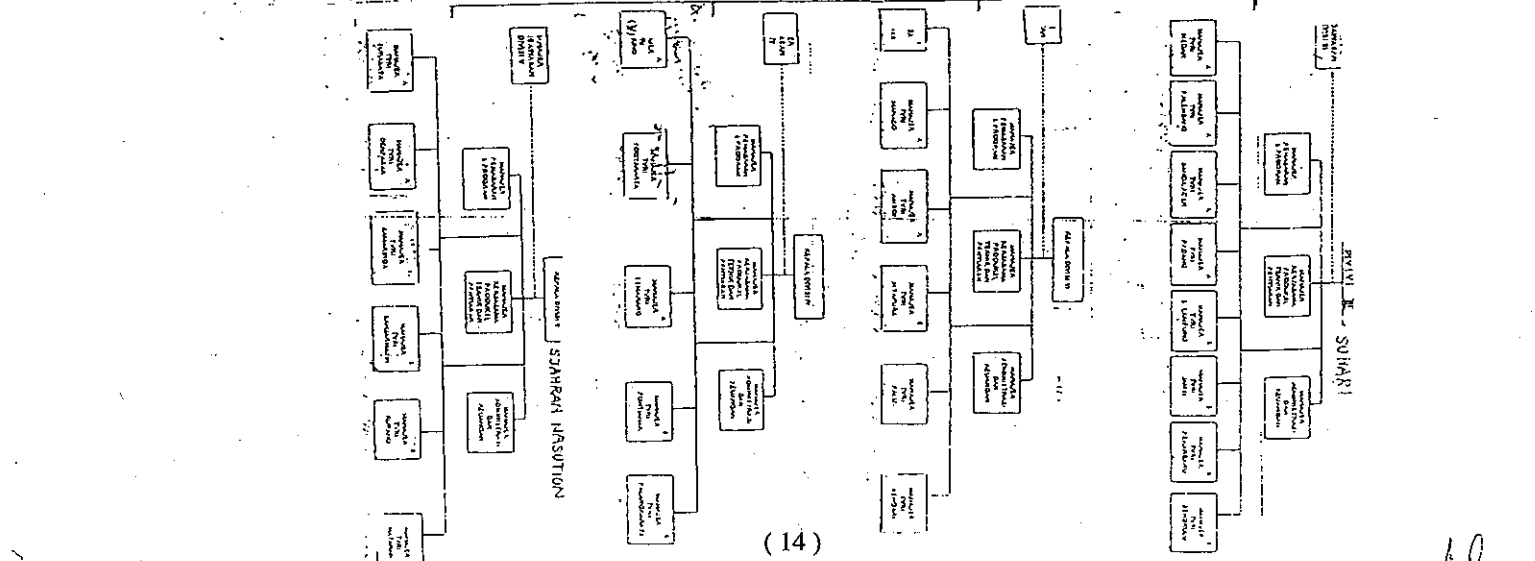
Jakarta
Division

News

TV Training Center



Regional Division



JAPAN'S GRANT AID

The Grant Aid Scheme provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedures

Japan's Grant Aid Program is executed through the following procedures.

- Application (Request made by the recipient country)
- Study (Basic Design Study conducted by Japan International Cooperation Agency (JICA))
- Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet)
- Determination of the Implementation (The Note exchanged between the Governments of Japan and recipient country)

Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study) using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Program, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

2. Basic Design Study

1) Contents of the study

The aim of the Basic Design Study (hereafter referred to as "the Study") conducted by JICA on a requested project (hereafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Government of Japan.

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- Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.
- Confirmation of items agreed on by both parties concerning the basic concept of the Project.
- Preparation of a basic design of the Project.
- Estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of the Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms. The selected firm(s) carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consultant firm(s) used for the Study is(are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency.

3. Japan's Grant Aid Scheme

1) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

2) "The period of the Grant Aid" means the one fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed. However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

3) Under the Grant Aid, in principle, Japanese products and services including transport

or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely, consulting, constructing and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

4) Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

5) Undertakings required of the Government of the Recipient Country

In the implementation of the Grant Aid Project, the recipient country is required to undertake such necessary measures as the following:

- (1) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- (2) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- (3) To secure buildings prior to the procurement in case the installation of the equipment.
- (4) To ensure all the expenses and prompt excursion for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- (5) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- (6) To accord Japanese nationals, whose services may be required in connection with the supply of the products and services under the Verified contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

6) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and the equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

7) "Re-export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

8) Banking Arrangements (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.

9) Authorization to Pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commissions to the Bank.

Major Undertakings to be taken by Each Government

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	a) Advising Commission of A/P		●
	b) Payment commission		●
2	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	a) Marine (Air) transportation of the products from Japan to the recipient country	●	
	b) Tax exemption and customs clearance of the products at the port of disembarkation		●
	c) Internal transportation from the port of disembarkation to the project site		●
3	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		●
4	To exempt Japanese nationals, from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		●
5	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		●
6	To bear all the expense, other than those to be borne by the Grant Aid, necessary for construction of the facilities		●

LIST OF TEAM MEMBERS :

The Basic Design Study on the Project for Supplement of Broadcasting Equipment for
TVRI Jakarta News Division

No.	Name	Job title	Occupation	Period (arr. – dep.)
1	Mr. Tomoyuki Naito 内藤 智之	Leader 総括	Staff, Third Project Management Division, Grant Aid Management Department, JICA 国際協力事業団 無償資金協力部業務第三課	Aug. 19 – Aug. 25
2	Mr. Eiichi Watanabe 渡辺 栄一	Technical Advisor 技術参与	Assistant Director, Ministry of Public Management, Home Affairs, Posts and Telecommunications. 総務省総合通信基盤局 国際部国際協力課	Aug. 19 – Aug. 24
3	Mr. Osamu Iijima 飯島 修	Chief Consultant / TV Program Planing 業務主任／番組制作計 画	NHK Integrated Technology Inc. (NHK ITEC) (株) NHK アイテック	Aug. 19 – Sep. 21
4	Mr. Hideo Hiroba 廣場 日出男	Machinery Planning 1 (Editing Machinery) 機材計画 I (編集機 材)	NHK Integrated Technology Inc. (NHK ITEC) (株) NHK アイテック	Aug. 19 – Sep. 21
5	Mr. Ikuo Watanabe 渡辺 育郎	Machinery Planning 2 (Recording Machinery) 機材計画 I (撮影・記 録・管理機材)	NHK Integrated Technology Inc. (NHK ITEC) (株) NHK アイテック	Aug. 19 – Sep. 21
6	Mr. Seiichi Ueda 上田 誠一	Procurement Planning / Estimation 調達計画／積算	NHK Integrated Technology Inc. (NHK ITEC) (株) NHK アイテック	Aug. 19 – Sep. 21

4-2 Memorandums of Understanding

MEMORANDUMS OF UNDERSTANDING on the Basic Design Study on the Project for Improvement of Broadcasting Equipment for TVRI Jakarta News Division in the Republic of Indonesia

18th September 2001

This memorandum is made between the JICA Basic Study Team and TVRI on 18th September 2001. The memorandum is supplementary documents to the Minutes of Discussion (M/D) which was made on 23rd August 2001 between Mr. Tomoyuki NAITO, Leader of Basic Design Study Team, JICA, and Ms. Sumita TOBING, Ph.D., President Director of Television of the Republic of Indonesia.

The Study Team held discussions with the TVRI staff, and conducted a field survey at the study area. As a result of discussions and field survey, both parties confirmed the main items described below and on the attached sheets. However, the final components of the Project will be decided after further consultation with Ministries concerned in Japan.

1. Items requested by the Government of Indonesia

(1) After discussion with the Basic Design Study Team, the following items were finally submitted as a modified plan from the Indonesian side.

1) Digital Archive system described in item 7(8) of M/D

As an original request was Digital Archive system, TVRI submitted a modified request shown in attachment-1 in accordance with item 7(8) in M/D. Modified point of request are as follows:

(a) Smaller scale with minimum function (proposing a downsizing of digital archive system) 1 system

(b) Change of system's name (new name is broadcast tape storage system)

2) Repair part

1 sets

As an original request was only an expression of "repair part; 1 set", TVRI submitted a detail data shown in attachment-5

(2) The results of a survey on the each item requested

1) Cut to cut editing system

5 systems

The Team take positive consideration into account about TVRI's request

2) A:B roll editing system

2 systems

The Team take positive consideration into account about TVRI's request

3) On-air VTR system (Digital VTR)

5 sets

Though the number of VTR required was 3 sets, the Team confirmed the necessity with additional 2 sets of VTR in order to accomplish that TVRI

perform the program sending to Japan and others foreign country via INTELSAT satellite, further more, program sending to domestic regional stations via PALAPA satellite

4) Nonlinear editing system

1 system

Though the number of nonlinear editing system required was 2 systems, the Team confirmed that this system is effective system in order to produce a TVRI style "magazine program (approximate 30 news materials transmission in 1 hour program)". However, the Team judged that 1 system of this nonlinear editing is good enough to produce a news program at the initial stage of this introduction.

5) Foreign program recording system

3 systems

The number of this recording VTR required was 4 sets, but the Team confirmed that 3 sets of VTR is plenty good enough to record the foreign programs as the result of track record survey in past receiving programs.

6) Camera shooting system

6-1) Camera shooting equipment

21 sets

The Team evaluated a current running situation of cameras at the condition of the following items shown below:

- (a) operational situation of existing cameras (31 sets) in last 8 days
- (b) the number of running cameras at the same time
- (c) minimum life expectancy of 7 years
- (d) digitalized camera or no
- (e) broadcast use or no

Though the number of cameras required was 25 sets, as the result of it. 21 sets of digitalized cameras is good enough to gather news materials at presidential palace, the houses of parliament and an event of great consequence etc.

6-2) Zoom lens

25 sets

Though the number of the above mentioned zoom lens required was 29 sets, due to the evaluation in the above item 6-1), 25 sets of zoom lens (including 2 sets of wide angle lens and 2 sets of telephoto lens) is good enough to gather an material for news program.

7) Studio recording VTR system (Digital VTR)

3 sets

The Team take positive consideration into account about TVRI request. The above VTR shall be installed in studio 10 with 1 set and studio 6 with 2 sets each.

8) Character Generator

2 sets

Though the number of character generator required was 3 sets, the Team confirmed that existing computer graphics installed by another project, which compute graphics have the enough function of an producing

MA AS

character generation. Consequently, the Team judged that 2 sets of character generators is good enough for news production.

Refer to detail list shown in attachment – 1.

2. Selection of the installation site for project equipment

- (1) Though there are 3 plans for installation site of project equipment, as the result of survey, the Team judge that 2nd plan proposed from TVRI is the most adequate site.

Contents of 3 plans are as follows:

- (I) Plan proposed in Inception Report (on 2nd and 3rd floor in studio complex)
- (II) Plan proposed from TVRI, which installation site is on the 1st and the 2nd floor in Engineering Center building in Senayan TVRI site
- (III) Existing installation site is continuously used.

(2) Confirmed items on Engineering Center building

- (a) TVRI proposed layout plan and both parties confirmed its contents (refer to Attachment- 6)

- (b) With regard to building renovation, both parties confirmed that all of renovation is performed by TVRI side. Details in renovation are shown in below;

b-1) Partition off the 1st and the 2nd floor in Engineering Center building

b-2) Additional providing and installation of air-conditioner for broadcast tape storage room, editing rooms and others

b-3) Providing and installation of the power distribution panels for editing rooms etc

b-4) providing and installation of the cable ladders, if necessary

- (c) Both parties confirmed that TVRI conduct the next works shown below;

c-1) The attainment of relocation of current Engineering Center by December 2001.

c-2) The renovation mentioned in item 2(2) shall be terminated by the end of June 2002.

- (d) Both parties confirmed the table of burden sharing shown in Attachment- 4.

(3) Both parties reconfirmed that the following items shall be performed by Indonesian side, which items mentioned in Annex-4 of M/D

(a) Internal transportation from the port of disembarkation to the project site.

(b) Insurance from the port of disembarkation to the project site

(c) Tax exemption and custom clearance of the products at the port of disembarkation to the project site.


(d) To bear the following commissions to a bank of Japan for the banking services based upon the B/A (Banking Arrangement)

- (d-1) Advising commission of A/P (Authorization to Pay)
(d-2) Payment commission
(4) Securing of operation & maintenance expense for the sustainability of project equipment (approximate 1 billion Rp up per year).
TVRI comply with the above captioned theme and state its realization and the Team understand it.

Attached paper

- Attachment-1: List of equipment required for the project
Attachment-2: Place for the installation of project equipment
Attachment-3: Specification required for broadcast tape storage system
Attachment-4: Burden sharing between grant aid side and TVRI side
Attachment-5: List of repair part required
Attachment-6: Layout drawing of Engineering Center building

Jakarta, 18th September 2001



Mr. Achmad. S. Adiwidjaja,
Director of Engineering
TVRI



Mr. Osamu IIJIMA
Chief Consultant
International Department
NHK Integrated Technology Inc.

■ List of Equipment Required for the project

Note: This is not final components of the project. The final components will be decided after further consideration with Ministries concerned in Japan.

Item	Description	Q'ty	Modified Q'ty	Unit	Status
<A>	Cut Editing System (Similar products to Betacam SX)	5		system	
A-1	1/2-inch tape Digital VTR (Similar products to Betacam SX)	10		sets	Recorder:5sets Player:5sets
A-2	TBC (Time Base Corrector) Remote Controller	10	0	set	
A-32	14-inch Color Video Monitor	10		sets	
A-43	Editing Controller	5		sets	
A-54	Active Speaker(Stereo type)	10		pairs	
A-6	Power Amplifier for speaker	5	0	set	
A-75	Rack Mount Kit	10		sets	
A-86	Editing Console	5		sets	
A-97	Chair	5	10	sets	
A-108	VTR rack	5		sets	
A-119	Installation Materials	1		lot	
A-1210	Connecting Cables	1		lot	
A-1311	1/2-inch Digital Video Tape(3260min.) for Similar products to Betacam SX	50		pcs	
A-1412	Portable Mixer	5	2	pcs	
A-1513	Headphone	5	4	pcs	
A-14	Microphone with stand		4	pcs	
	A-B Roll Editing System (Similar products to Betacam SX)	2		systems	
B-1	Digital VTR player (Similar products to Betacam SX) using 1/2-inch tape	4		sets	
B-2	Digital VTR recorder (Similar products to Betacam SX) using 1/2-inch tape	2		sets	
B-3	Rack Mount Kit	6		sets	

Item	Description	Q'ty	Modified Q'ty	Unit	Status
B-4	TBC (Time Base Corrector) Remote Controller	3	4	sets	
B-5	Editing Controller	2		sets	
B-6	Editing Keyboard	2		pcs	
B-7	Computer Display 15" Display Monitor for editing controller	2		pcs	
B-8	Digital Multi-Effect switcher	2		sets	
B-9	Analogue-Digital Composite Input Board	2		sets	
B-10	2nd channel Digital Multi-Effect board	2		sets	
B-11	3D Video Mapping Effects Board	2		sets	
B-12	Analogue Audio Mixer	2		sets	
B-13	14-inch Color Video Monitor	8		sets	
B-14	Waveform Monitor (PAL)	2		sets	
B-15	Vector Scope (PAL)	2		sets	
B-16	19-inch Mini Rack	2	4	sets	
B-17	<u>Active Speaker</u> (Stereo type)	2		Sets paires	
B-18	Power Amplifier for Speaker	2	0	sets	
B-19	Editing Console	2		sets	
B-20	Chair	2	4	sets	
B-21	Digital Audio Processor & Echo / Reverberation	2		sets	
B-22	CD Player	2		sets	
B-23	DAT Recorder / Player	2		sets	
B-24	Rack Mount Adapter	2		sets	
B-25	Audio Tape Recorder / Player	2		sets	
B-26	Dynamic Microphone	4		sets	
B-27	1/2 -inch Digital Video Tape (32-64 min.) (Similar products to Betacam SX)	50		pcs	
B-27	<u>Headphone</u>		4	pcs	
B-28	Installation Materials	1		lot	
B-29	Connecting Cable	1		lot	

Item	Description	Q'ty	Modified Q'ty	Unit	Status
<C>	Non-Linear Editing System (Similar products to Betacam SX)	2	1	system	
C-1	Digital News Editing System	2	1	set	
C-2	Frame Memory Board	2	1	set	
C-3	3D Lighting /Trail effects board	2	1	set	
C-4	Digital VTR for Editing (Similar products to Betacam SX) using 1/2-inch tape	2	1	set	
C-5	14 -inch Color Video Monitor	2	1	set	
C-6	Active Speaker(Stereo type)	4	1	pair	
C-7	Personal Computer	2	1	set	
C-8	Hub	2	1	set	
C-9	Editing Console	2	1	set	
C-10	EIA (Electronic Industry Association) Rack	2	0	set	
C-11	19-inch Mini Rack	2	1	set	
C-12	Chair	2		set	
C-13	Connecting Cable & Installation Materials	1		Lot	
C-13	1/2-inch Digital Video Tape (60min.)(Similar products to Betacam SX)		50	pcs	
<D>	On-Air VTR System				
D-1	Digital VTR Recorder (Similar products to Betacam SX) using 1/2-inch tape	3	5	sets	Continuity St.1: 2sets Continuity St.2: 1set Master control: 2 sets
D-2	9-inch Color Video Monitor	3	5	sets	
D-3	Rack Mount Kit	3		sets	
D-4	Rack Mount Bracket	2		sets	
D-5	Monitor Speaker	3		sets	
D-6	TBC Remote Controller	3	0	set	
D-7	19- inch System Rack	2	1	set	Master control room
D-8	Waveform Monitor (PAL)	1	2	sets	Continuity St.1: 1set Continuity St.2: 1set

Item	Description	Q'ty	Modified Q'ty	Unit	Status
D-98	Vector Scope (PAL)	1	2	sets	<u>Continuity St. 1: 1set</u> <u>Continuity St. 2: 1set</u>
D-109	Video Matrix Switcher	1		set	<u>Master control room</u>
D-110	Audio Matrix Switcher	1		set	<u>Master control room</u>
D-1211	Remote Control Panel	1		pc	<u>Master control room</u>
D-13	On-Air Tally Unit	1	0	pc	
D-1412	Analog Video Interface Unit	1		set	
D-1513	Audio Distribution Amplifier	1		set	
D-1614	Video Distribution Board	6		pcs	
D-1715	Audio Distribution Board	6		sets	
D-1816	Installation Materials	1		lot	
D-1917	Connecting Cables	1		lot	
D-2018	1/2 -inch Video Tape (60 min.) (<u>Similar Products to Betacam SX</u>)	50		pcs	
<E>	Foreign Program Recording System				
E-1	Digital VTR Recorder(<u>Similar products to Betacam SX</u>) using 1/2-inch tape	4	3	sets	
E-2	9-inch Color Video Monitor	4	3	sets	
E-3	Rack Mount Kit	4	3	sets	
E-4	Rack Mount Bracket	2		sets	
E-5	Monitor Speaker <u>with Amplifire</u>	4	3	<u>Sets</u> <u>paires</u>	
E-6	TBC Remote Controller	4	0	sets	
E-76	19- inch System Rack	2		sets	
E-87	Waveform Monitor (PAL)	1		set	
E-9	Vector Scope (PAL)	1	0	set	
E-108	Video Matrix Switcher	1		set	<u>Min. 4 input & 3 output</u>
E-119	Audio Matrix Switcher	1		set	<u>Min. 4 input & 3 output</u>
E-1210	Remote Control Panel	1		set	4 input & 4 block
E-13	On- Air Tally Unit	1	0	pc	


Item	Description	Q'ty	Modified Q'ty	Unit	Status
E-1411	Analog Video Distribution Amp. Shelf Video Interface Unit	1		set	
E-1512	Analog Audio Distribution Amp. Shelf Audio Interface Unit	1		set	
E-1613	Video Distribution Board	4	5	pcs	
E-1714	Audio Distribution Board	8	6	sets	
E-1815	Installation Materials	1		lot	
E-1916	Connecting Cables	1		lot	
E-2017	1/2-inch Video Tape (60 min.) (Similar products to for Betacam SX)	50		pcs	
<F>	Camera Shooting System	25	21	systems	
F-1	Digital Camcorder (Similar products to Betacam SX) using 1/2-inch tape	25	21	sets	
F-2	Zoom Lens (Short distance in focus)	29	21	sets	
F-3	Battery Adapter	25	21	sets	
F-4	5-inch LCCS (liquid Crystal Color Shutter) type Monitor	20	10	sets	
F-5	Field ENG (Electronic News Gathering) Kit	25	21	sets	
F-6	Lithium Ion Battery Pack	125	84	pcs	
F-7	Battery Charger	25	10	sets	
F-8	AC Adapter	20	5	sets	
F-9	Tripod	25	10	sets	
F-10	Tripod Attachment	25	10	sets	
F-11	Hard Carrying Case	25	21	sets	
F-12	Wireless Microphone	25	21	sets	
F-13	Diversity Receiver for wireless microphone	25	21	sets	
F-14	Lighting Equipment	25	21	sets	
F-15	Connecting Cable	25	21	lots	
F-16	Portable Teleprompter LCD (liquid Crystal Display) Monitor	2		sets	

Item	Description	Q'ty	Modified Q'ty	Unit	Status
F-17	Gun Microphone	10	8	sets	
F-18	Fishing Pole for Microphone	5		sets	
F-19	Windshield for microphone	5		sets	
F-20	Headphones	10		sets	
F-21	Portable DAT player / recorder	5		sets	
F-22	1/2 -inch digital tape (60 min.) (Similar products to Betacam SX)	500	100	pcs	
<G>	Studio Recording VTR				
G-1	Digital VTR Recorder (Similar products to Betacam SX) using 1/2-inch tape	3		sets	Studio10;1set Studio6;2sets
G-2	9-inch Color Video Monitor	3	2	sets	Studio6
G-3	14-inch Color Video Monitor		2	sets	Studio6
G-3	Rack Mount Kit	3		sets	
G-4	Rack Mount Bracket	2	3	sets	
G-5	Monitor Speaker with Amplifire	3		sets	
G-6	TBC Remote Controller	3	2	sets	Studio6
G-7	19-inch System Rack	2	1	set	Studio6
G-8	Waveform Monitor (PAL)	1	0	set	
G-9	Vector Scope (PAL)	1	0	set	
G-10	Video Matrix Switcher	1	0	set	
G-11	Audio Matrix Switcher	1	0	set	
G-12	Remote Control Panel	1	0	pc	
G-138	On-Air Tally Unit	1	3	pcs	
G-149	Analog Video Distribution Amp. Shelf Video Interface Unit	1		set	
G-1510	Analog Audio Distribution Amp. Shelf Audio Interface Unit	1		set	
G-1611	Video Distribution Board	3		pcs	
G-1712	Audio Distribution Board	4		sets	
G-1813	Installation Materials	1		lot	

Item	Description	Q'ty	Modified Q'ty	Unit	Status
G-1914	Connecting Cables	1		lot	
G-2015	1/2-inch Digital Video Tape (60 min) (<u>Similar products to Betacam SX</u>)	50		pcs	
<H>	Character Generator (with Computer Graphics Function)	3	2	systems	
H-1	Character Generator	3	2	sets	<u>A/B roll editing room; 2sets</u> <u>Studio6; 1set</u>
H-2	Peripherals for Inscrber	3	2	sets	
H-3	21-inch Multi-Scan Display	3	2	sets	<u>0.22 × 0.25 Fine dot Pitch</u>
H-4	Operation Desk and chair	3	2	sets	
H-5	<u>Chair</u>		2	sets	
H-6	<u>Desk</u>		2	sets	
H-57	Installation Materials	1		Lot	
<I>	Broadcast Tape Storage System (Digital Archive System)	1	1	Set	
I-1	<u>Archive Manager & Device Controller Digital VTR Recorder (Similar products to Betacam SX) using 1/2-inch tape</u>	1	3	sets	
I-2	<u>Archive Work Station 9-inch Color Video Monitor</u>	1	3	sets	
I-3	<u>Browser Client Rack Mount Kit</u>	1	3	sets	
I-4	<u>Encoder Manager Rack Mount Bracket</u>	1	3	sets	
I-5	<u>Low Resolution Video Server Rack Mounted type Audio Monitor Speaker</u>	1	3	sets	
I-6	<u>DB (Data Base) Server TBC Remote Controller</u>	1	3	sets	
I-7	<u>WEB Server 19-inch System Rack</u>	1	2	Sets	
I-8	<u>Peta-Site Server Controller Waveform Monitor (PAL)</u>	1	1	set	
I-9	<u>Peta-Site Server (÷1000 GB-server) Vector Scope (PAL)</u>	1	1	set	

Item	Description	Q'ty	Modified Q'ty	Unit	Status
I-10	<u>Video Matrix Switcher</u>	1	1	set	
I-11	<u>Audio Matrix Switcher</u>		1	set	
I-12	<u>Remote Control Panel</u>		1	set	
I-13	<u>Rec light</u>		1	set	
I-14	<u>Video Interface Unit</u>		1	set	
I-15	<u>Audio Interface Unit</u>		1	set	
I-16	<u>Analog Video Distribution Board</u>		6	sets	
I-17	<u>Analog Audio Distribution Board</u>		5	set	
I-18	<u>Video Interface Unit</u>		1	set	
I-19	<u>Installation Materials</u>		1	set	
I-20	<u>Connecting Cable</u>		1	set	
I-21	<u>PC with Capture Board</u>		3	sets	
I-22	<u>Computer Display</u>		3	sets	
I-23	<u>Active Speaker</u>		3	sets	
I-24	<u>Database Server</u>		1	set	
I-25	<u>Computer Display</u>		1	set	
I-26	<u>UPS for Server</u>		1	set	
I-27	<u>Video Compact Player</u>		3	sets	
I-28	<u>14-inch Color Video Monitor</u>		3	sets	
I-29	<u>D/B Back up System</u>		1	set	
I-30	<u>AIT Tape</u>		30	sets	
I-31	<u>Switching Hub</u>		2	sets	
I-32	<u>Installation Materials</u>		1	set	
I-33	<u>Tape Rack</u>		1	set	
I-4134	Chair	1	4	set	
I-4235	Others Table	1	4	set	
I-36	<u>1/2-inch Digital Video Tape (194min) (Similar products to Betacam SX)</u>		1000	pcs	

Item	Description	Q'ty	Modi -fied Q'ty	Unit	Status
<J>	Repair Parts				
J-1	Repair Parts	1		Lot	





PERUSAHAAN JAWATAN
TELEVISI REPUBLIK INDONESIA

Attachment-2

Jl. Gerbang Pemuda Senayan Jakarta 10270, Kotak Pos 3256
Kawat/Cable : TELVIRI Jakarta, Telex : 46154 Jakarta
Telp. 021-5731125, 5732328, 5704720, 5704740 Fax. 5733122 E-mail :

Our. Ref. TVRI/1.4/ 231/2001

Jakarta, 31st August 2001

Mr. Osamu IIJIMA
Leader of Consultant
International Department
NHK Integrated Technology Inc.
1-4-1, Jinnan, Shibuya-ku, Tokyo, 150-0041
J A P A N

Fax : 81-3-5456 -4746

Dear Mr. IIJIMA,

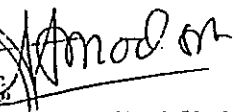
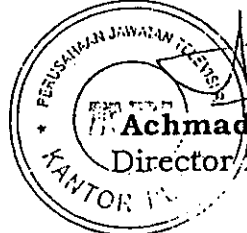
Re : Place for the project equipment installed

Referring to your letter no. OI270801-1, dated 27th August 2001, concerning the subject mentioned above, we, the management of TVRI has decided that the place for the installation equipment of the Project for Supplement of Broadcasting Equipment for TVRI Jakarta News Division is in the RTF Engineering Center Building (*Gedung Pusbinsartek RTF*) at the first and second floor.

The location of this building is behind of TVRI Training Center, TVRI Senayan Complex.

We hope that this project will be success, and thank you for your attention and cooperation.

Sincerely yours,



Achmad S Adiwidjaja
Director for Engineering

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PERUSAHAAN JAWATAN
TELEVISI REPUBLIK INDONESIA

Jl. Gerbang Pemuda Senayan Jakarta 10270, Kotak Pos 3256
Kawat/Cable : TELVIRI Jakarta, Telex : 46154 Jakarta
Telp. 021-5731125, 5732328, 5704720, 5704740 Fax. 5733122 E-mail :

**Specification required for broadcast tape storage system
(Modified proposal)**

18th September 2001

News Department, TVRI

1. General

- (1) The broadcast tape administration system is required not only to archive the video news materials on tape but also to manage the video culture patrimony totally, metadata, and copy rights information etc.
- (2) In terms of the capacity, the system is required to archive the current stocked video/film news material (approx. 40,000 hours), and in addition to them, at least for future 5 years (6 hours per day) are to be archived. In total, the archival capacity requires approx. 50,000 hours at initial stage.
- (3) Regarding with the administration device, taking the cost per capacity into consideration, the system is required to apply the Betacam SX tape (60 minutes small cassette).
- (4) The system is necessary to expand the archival capacity easily.
- (5) The system is required to utilize the ordinary personal computers for searching terminal.
- (6) The system is necessary to provide minimum 3 catalog client terminals and 2 printers for archive room.
- (7) The application language should be English.
- (8) The system is required to prepare the countermeasure for the electricity power failure and lightning protection.
- (9) For the purpose of making the database back-up, it requires data backup equipment.
- (10) The system is required that system specialist will stay for at least 3 (three) months for system installation and operator training.

2. Software

The system is required;

- (1) to be able to customize the design of the data input GUI.
- (2) to register the stamp picture (= still picture) in the database.
- (3) to capture the stamp picture automatically, by constant intervals or auto-scene detection.

Handwritten signatures and initials:
- A signature that looks like "S" with a long horizontal stroke.
- The initials "Am".
- The initials "Ael".
- The initials "M".

- (4) to support the SMPTE time code.
- (5) to support the 3 (three) types of searching, such as Full Text Searching, Key Word Searching, and Filtering Searching. The filtering searching means the searching function which can be the information of copyrights, proforma, status, duration, and key date.
- (6) to display the searching result by 3 (three) styles, as List style, Tile style, and Digest style and also detail information view.
- (7) to support the Hotlist function which enable to store the searched video material temporarily.
- (8) to manage the copyright information.
- (9) to manage the key words. There are 2 (two) kinds of key words, such as index key word and alternative key word.
- (11) to keep a records for user log and fault log.
- (12) to change the color of the display for the following items
 - (a) Filtered area
 - (b) VTR time code
 - (c) VTR error
- (13) to prepare the software support tools for checking the total system configuration, for system trouble shooting, for restoring the database server.

Se
Am



Widyanto
Coordinator of Basic Design Study Team in TVRI
Technical Production Facility Manager
TVRI

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Burden Sharing between Grant Aid side and TVRI side

18 September 2001

Note: This burden sharing is just tentative arrangement and do not indicate final component of the Project.

No	Items	To be covered by Grant Aid	To be covered by recipient country side
1	To supply the project equipment	○	
2	2 nd floor of Engineering Center building Partition off the following rooms from the 2 nd floor space of Engineering center building; (a) 10 editing rooms, (b) 2 sound dubbing rooms (c) 4 announce rooms (d) 1 animation room		○
3	1 st floor of Engineering Center building Partition off the following rooms from the 1 st floor space of Engineering Center building; (a) 2 broadcast tape storage rooms (b) 1 VTR tape control room (c) 1 camera storage room (d) 2 news production rooms (e) 2 maintenance rooms (f) 1 staff room		○
4	Announce booth. No. 1~4 To implement sound insulation using sound proofing material to the 4 announce booths. Sound insulation degree shall be ensured more than 20 dB.		○
5	Broadcast tape storage room To provide the 4 air conditioners and 4 dehumidifiers in 2 broadcast tape storage rooms which room shall be ensured (a) temperature; less than 25°C (b) humidity; less than 60 % as target value.		○
6	Equipment rooms (1) Editing rooms (2) A:B roll editing room (3) Nonlinear editing room (4) Studio 10 (5) Studio 6 (6) Continuity room etc. To provide and install the power panel board for each room and carry out wiring to the panels targeted from the main power switchboard		○

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	To implement the wiring in the room, installation of project equipment	○	
7	Broadcast tape storage room No. 1~2		
	(a) To provide and install the power panel board for the each room and carry out wiring to the panels targeted from the main power switchboard		○
	(b) To provide and install the 2-inch VTR, 1-inch VTR (format C), U-matic VTR, telecine equipment		○
	To implement the wiring in the each room, installation of project equipment	○	

NA del

List of Requested Repair Parts

13th September 2001
News Department, TVRI

Note; This is not final components of the project. The final components will be decided after further consideration with Ministers concerned in Japan.

I Camera

1. Complete board set
2. CCD block
3. Optical view finder
4. Lens kit
5. Video head assembly
 - Upper drum
 - Lower drum
6. Mechanical parts with live-time (eg. pinch roller, gearbox etc)
7. Motors and other mechanicals parts
8. Tool kit
 - Pattern box
 - Resolution chart
 - Extension board
9. Consumable spare parts (eg. Lighting kit, knob, button, etc)

II VCR

1. Complete board set
2. Power supply module
3. Video head assembly for each "Player" and "Record player"
 - Upper drum
 - Lower drum
4. Mechanical parts with live-time (eg. Pinch roller, gearbox, etc)
5. Control panel
6. Motors and other mechanical parts
7. Consumable spare parts (eg. Knob, button, fuse, rubber, etc)
8. Tool kit
 - Drum eccentricity gauge set
 - Screw driver set
 - L-shaped wrench set

- Extension board
- Cleaning cloth & liquid
- Alignment tape set
- R M shaft slantness check fixture
- Cassette reference plate
- Tape guide adjustment driver
- Reel table height gauge
- Visc phase Adjusting jig
- Extension cable set
- Thickness gauge

III Video monitor

1. Spare A complete board
2. Spare G complete board
3. Spare J mount
4. Display unit

IV Speaker

1. Active speaker

V Computer graphic

1. Back up application software
2. Hard disk drive unit
3. Zip drive unit
4. Printed circuit board
5. Power supply unit
6. Extender board

VI Computer lap top

Usual lap top to record all maintenance activities

VII Audio mixer

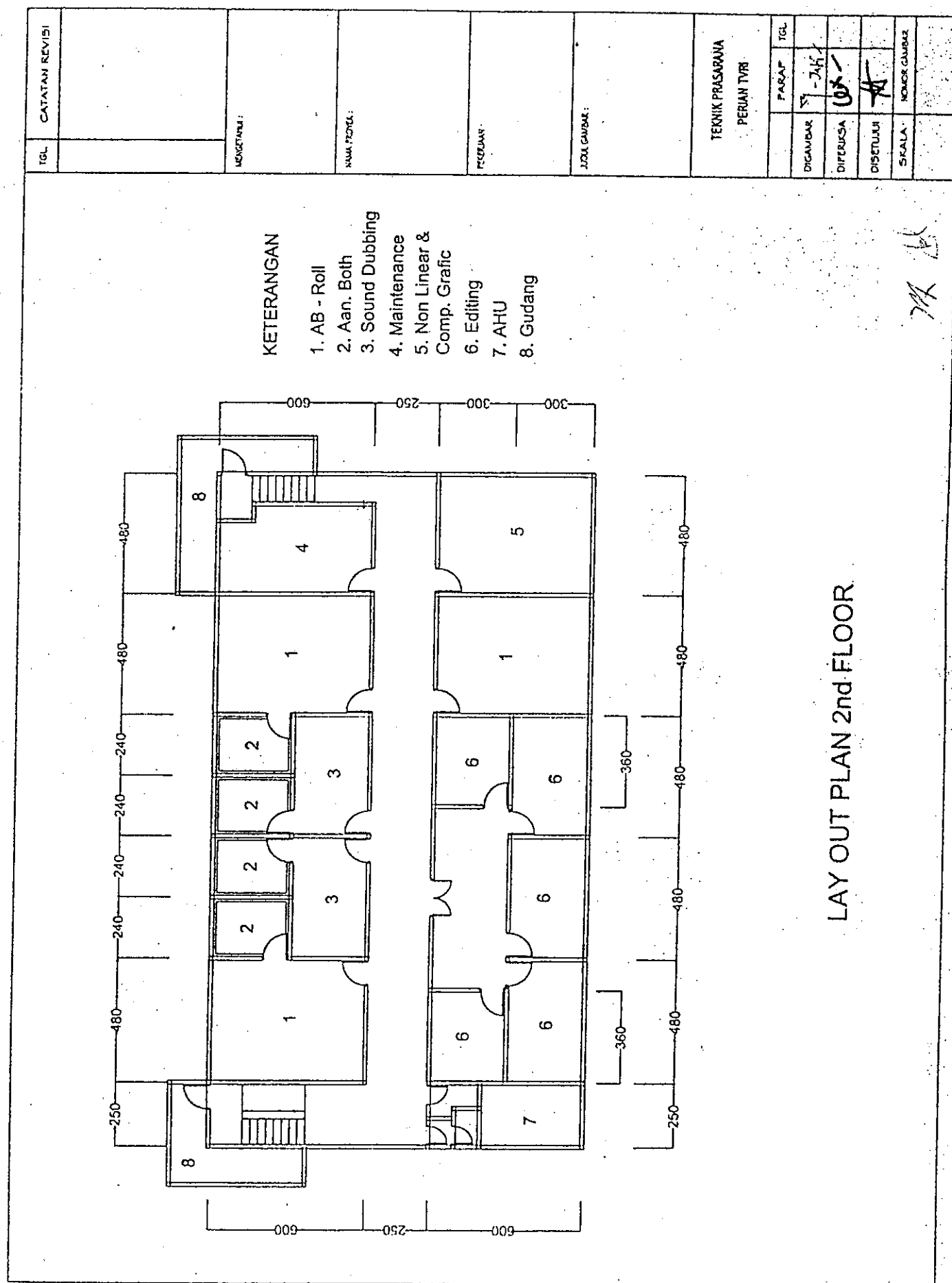
- Input module
- Output module
- Power supply unit

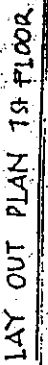
VIII Editing control

- Printed circuit board
- Mechanical parts (eg. Switch, knob, button, jog, dial, etc)




MA / 168

Layout drawing of Engineering Center building





MA

Digambar		Juli 53 -
Diperiksa		
Duetjui		
Scale		1 : 200

4-3 Minutes of Discussions on the Basic Design Study (Explanation on Draft Report)

Minutes of Discussions
on the Basic Design Study
on the Project for Improvement of Broadcasting Equipment
for TVRI Jakarta News Division
in the Republic of Indonesia
(Explanation on Draft Report)

In August 2001, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for Improvement of Broadcasting Equipment for TVRI Jakarta News Division (hereinafter referred to as "the Project") to the Republic of Indonesia (hereinafter referred to as "Indonesia"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult on the components of the draft report, JICA sent to Indonesia the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Yuji Otake, Deputy Resident Representative of the JICA Indonesia Office, from November 19 to November 23, 2001.

As a result of discussions, both parties confirmed the main items described on the attached sheets.

Jakarta, November 23, 2001.



Yuji Otake

Leader

Draft Report Explanation Team

Japan International Cooperation Agency



Sumita Tobing Ph.D.

President Director

Television of the Republic of Indonesia

Republic of Indonesia



ATTACHMENT

1. Components of the Draft Report

The Indonesian side agreed and accepted in principle the components of the draft report explained by the Team.

2. Japan's Grant Aid Scheme

The Indonesian side understands the Japan's Grant Aid scheme and the necessary measures to be taken by the Indonesian side as explained by the Team and described in Annex-3 and Annex-4 of the Minutes of Discussions signed by both parties on August 23, 2001.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Indonesian side by the end of February, 2002.

4. Other Relevant Issues

- (1) The Indonesian side will ensure the tax exemption including VAT according to the procurement schedule presented by the Team.
- (2) The Indonesian side will take necessary measures for the safety of the personnel concerning the Project in order to ensure smooth implementation of the Project.
- (3) The Team confirmed that the Indonesian side would keep the necessary budget for the all the maintenance of machinery and material, which are scheduled to be supplied under the Japan's Grant Aid for the Project.
- (4) The Team confirmed that the area where to install the equipment which are scheduled to be supplied under the Japan's Grant Aid for the Project, is fully secured. And also the Team confirmed a content of the detailed schedule submitted by TVRI (refer to annex-1)

SCHEDULE
RENOVATION OF EX - RTF BUILDING FOR THE PROJECT OF
" IMPROVEMENT OF BROADCASTING EQUIPMENT FOR TVRI JAKARTA NEWS DIVISION "

ID	TASK NAME	OCT 2001	NOV 2001	DEC 2001	JAN 2002	FEB 2002	MAR 2002	APRIL 2002	MAY 2002	JUN 2002	JUL 2002	AUG 2002	SEP 2002	OCT 2002	NOV 2002	DEC 2002
1	Request for special budget to Bappenas	10/23 ▼														
2	Available for usage of special budget					↕										
3	Renovation work															
A	Design/Cost Estimation					30										
B	Tender Announcement/ Contract						30									
C	Renovation							30	30	30						

Jakarta, 22 November 2001

Approved,
 General Manager,
 Technical Production & Infrastructure Facility



(S U M P E N A)

5. Cost Estimation Borne by Recipient Country

Item	Renovation/ Relocation Cost (Rp)	Budget
1. Renovation of Building (Preliminary works, Wall removal, Brick wall, Floor finishing, Window & door glass, Acoustic wall, Acoustic Door, Gypsum plafond, Floor carpet, Painting, Console, Toilet / rest room, Floor tile, Camera locker, Wall glass, AC split, Dehumidifier (CP. 10,020m ³), Ducting cable, Others)	1,000,000,000.00	Application submitted
2. Moving of existing tape rack	10,000,000.00	Appropriated
3. Moving of existing editing systems		
1) A/B roll editing system	900,000.00	Appropriated
2) Non-linear editing system	900,000.00	Appropriated
3) 1-to-1 editing system	900,000.00	Appropriated
4. Inland Transportation	89,500,000.00	
Total	1,102,200,000.00 Rp	