

## 資料-1 調査団員氏名、所属

## 添付資料

### 1. 調査団員氏名、所属

#### (1) 基本設計調査

氏名	担当業務	現職
山形 茂生	総括	独立行政法人 国際協力機構 ナイジェリア事務所所長
近藤 信孝	計画管理	独立行政法人 国際協力機構 無償資金協力部 業務第一グループ 情報通信・ガバナンスチーム
田中 清房	業務主任/維持管理計画	八千代エンジニアリング(株)
和田 益雄	放送機材計画	八千代エンジニアリング(株)
桑原 国男	送信施設計画	八千代エンジニアリング(株)
那須 光弘	建築計画	八千代エンジニアリング(株)
小林 辰哉	施工・調達計画/積算	八千代エンジニアリング(株)
南部 尚昭	教育放送計画	八千代エンジニアリング(株)

#### (2) 基本設計概要説明調査

氏名	担当業務	現職
山形 茂生	総括	独立行政法人 国際協力機構 ナイジェリア事務所所長
田中 清房	業務主任/維持管理計画	八千代エンジニアリング(株)
小林 辰哉	施工・調達計画/積算	八千代エンジニアリング(株)
南部 尚昭	教育放送計画	八千代エンジニアリング(株)

## 資料-2 調査日程

## 2. 調査日程

### (1) 基本設計調査

No.	月日	曜日	調査内容						宿泊地	
			官ベース JICA	業務主任/ 維持管理計画	教育放送計画	放送機材計画	送信施設計画	建築計画		施工・調達計画 /積算
			(近藤 信孝)	(田中 清房)	(南部 尚昭)	(和田 益雄)	(桑原 国男)	(那須 光弘)		(小林 辰哉)
1	9月6日	水			移動[東京(12:45) JL 411 → アムステル ダム(17:45)]				移動[東京(12:45) JL 411 → アムステル ダム(17:45)]	アムステルダム (南部、小林)
2	9月7日	木			移動[アムステルダム (14:05) KL577 → アブジャ(19:35)]				移動[アムステルダム (14:05) KL577 → アブジャ(19:35)]	アブジャ(南 部、小林)
3	9月8日	金			・調査準備				・調査準備	アブジャ(南 部、小林)
4	9月9日	土	移動[東京(12:00) JL401 ロン ドン(16:35)] 移動[ロンドン(22:15) BA083 (機中)]		・調査準備	移動[東京(12:00) JL401 ロン ドン(16:35)] 移動[ロンドン(22:15) BA083 (機中)]			・調査準備	アブジャ(南 部、小林)、 機中(その 他)
5	9月10日	日	アブジャ着(04:25) ・国内協議							アブジャ
6	9月11日	月	・ JICA ナイジェリア事務所表敬訪問、調査日程等の説明・協議 ・ ナイジェリア国家計画庁(NPC)表敬訪問 ・ ナイジェリア放送公社(FRCN)本部表敬訪問、調査日程・インベションレポート等の説明、既設設 備状況調査 ・ ナイジェリア情報省(FMINO)表敬訪問 ・ 基礎教育普遍化計画庁(UBEC)表敬訪問及び情報収集					・ 現地再委託調査(ホーリング及び測 量)について業者と打合わせ(調査 項目、契約内容、調査日程等の確 認)		アブジャ
7	9月12日	火	・ FRCN 本部にて情報収集 ・ クワクワラダ送信所(アブジャ)調査 ・ 日本大使館(EOJ)表敬訪問、調査日程等の説明・協議					・ クワクワラダ送信所にてホーリング地点 及び測量範囲決定		アブジャ
8	9月13日	水	移動[アブジャ(08:00) カドゥナ(10:00)] ・ 全国遊牧民教育協会(NCNE)表敬訪問及び情報収集 ・ FRCN カドゥナ支局既設設備調査 ・ ジャジ送信所(カドゥナ)調査 移動[カドゥナ(16:00) アブジャ(18:00)]					・ ジャジ送信所にてホーリング地点及び 測量範囲決定		アブジャ
9	9月14日	木	移動[アブジャ(08:00) イヌグ(15:00)] ・ FRCN イヌグ支局既設設備調査							イヌグ
10	9月15日	金	・ ミルクン・ヒル送信所(イヌグ)調査 移動[イヌグ(12:00) アブジャ(19:00)]					・ ミルクン・ヒル送信所にてホーリング地点 及び測量範囲決定		アブジャ
11	9月16日	土			・ 収集資料・データ整理			・ 市場調査(建設資機材)		アブジャ
12	9月17日	日	・ 国内協議							アブジャ
13	9月18日	月	・ NPC/FRCN との M/D 協議 ・ FRCN 本部調査			・ NPC/FRCN との M/D 協議 ・ クワクワラダ送信所調査				アブジャ
14	9月19日	火	・ NPC/FRCN との M/D 協議 ・ FRCN 本部調査 ・ FMINO 大臣表敬			・ 機材仕様、図面作成		・ NPC/FRCN との M/D 協議 ・ 市場調査		アブジャ
15	9月20日	水	・ NPC/FRCN との M/D 締結 ・ EOJ への M/D 締結報告			・ 機材仕様、図面作成 ・ 電界強度測定		・ 同上		アブジャ
16	9月21日	木	移動[アブジャ(08:15) BA082 → ロンドン (14:40)] 移動[ロンドン (19:45) JL402 → (機中)]	移動[アブジャ(08:00) → カドゥナ (11:00)] ・ FRCN カドゥナ支局調査 ・ メディア教育現場視察 ・ 遊牧民インタビュー		移動[アブジャ(08:00) → カドゥナ(11:00)] ・ 電界強度測定 ・ ジャジ送信所調査			カドゥナ	
17	9月22日	金	東京着	・ FRCN カドゥナ支局調査 ・ カドゥナ州ラジオ・テレビ局(KSMC) 訪問 ・ 国立教員研究所(NTI)訪問 ・ NCNE にてデータ収集		・ ジャジ送信所調査 ・ 電界強度測定 ・ 市場調査			カドゥナ	
18	9月23日	土		移動[カドゥナ(08:00) → アブジャ(11:00)] ・ 国内協議						アブジャ
19	9月24日	日		収集資料・データ整理						アブジャ
20	9月25日	月		移動[アブジャ(08:00) → イヌグ(15:30)] ・ 電界強度測定 ・ ミルクン・ヒル送信所調査 ・ FRCN イヌグ局にて教育番組制作について打合せ						イヌグ
21	9月26日	火		・ ミルクン・ヒル送信所調査 ・ 電界強度測定 ・ UNICEF イヌグ事務所訪問 ・ FRCN イヌグ局によるラジオ番組収録現場の視察 ・ FRCN イヌグ局にて教育番組制作体制・放送状況について打合せ						イヌグ
22	9月27日	水		移動[イヌグ(08:00) → アブジャ(15:30)] ・ 電界強度測定 ・ フィールドレポート作成						アブジャ
23	9月28日	木		・ 世界銀行ナイジェリア事務所訪問 ・ 英国国際開発省(DFID)訪問		・ フィールドレポート作成				アブジャ

No.	月日	曜日	調査内容						宿泊地	
			官ベース JICA	業務主任/ 維持管理計画	教育放送計画	放送機材計画	送信施設計画	建築計画		施工・調達計画 /積算
			(近藤 信孝)	(田中 清房)	(南部 尚昭)	(和田 益雄)	(桑原 国男)	(那須 光弘)		(小林 辰哉)
24	9月29日	金		・ UNICEF ナイジェリア事務所訪問		・ フィールドレポート作成			アブジャ	
25	9月30日	土				・ フィールドレポート作成			アブジャ	
26	10月1日	日				・ 収集資料・データ整理			アブジャ	
27	10月2日	月		・ FRCN へのフィールドレポート説明・協議・承認取得					アブジャ	
28	10月3日	火		・ ナイジェリア国家放送委員会(NBC)訪問 ・ 国内協議		・ 機材仕様、図面作成	・ 市場調査(空調機等) ・ 機材仕様、図面作成		アブジャ	
29	10月4日	水		・ 報告書作成に係る国内協議 ・ 収集資料・データ整理			・ 再委託調査に係わる報告書の確認・受領		アブジャ	
30	10月5日	木		・ EOI/JICA へ調査結果報告及び帰国挨拶 ・ FRCN へ調査結果報告及び帰国挨拶					アブジャ	
31	10月6日	金		・ 米国国際開発庁(USAID)ナイジェリア事務所訪問 ・ UBEC 訪問 ・ 収集資料・データ整理					アブジャ	
32	10月7日	土		移動[アブジャ(16:10) VK50 → ラゴス(15:10)] 移動[ラゴス(23:55) BA074 → (機中)]					機中	
33	10月8日	日		ロンドン着(05:55)					ロンドン	
34	10月9日	月		移動[ロンドン(19:45) JL402 → (機中)]					機中	
35	10月10日	火		東京着(15:30)						

## (2) 基本設計概要説明調査

No.	月日	曜日	調査内容		宿泊地
			官ベース	コンサルタント団員	
			JICA ナイジェリア事務所 (山形茂生)	(田中清房、南部尚昭、小林辰哉)	
1	2月17日	土		移動[東京(13:30) JL411 アムステルダム(17:35)]	アムステルダム
2	2月18日	日		移動[アムステルダム(14:10) KL577 アブジャ(20:35)]	アブジャ
3	2月19日	月	・ 日本大使館(EOJ)及び JICA ナイジェリア事務所表敬訪問及び基本設計概要書の内容説明 ・ ナイジェリア国家計画庁(NPC)表敬訪問 ・ ナイジェリアラジオ放送公社(FRCN)本部表敬訪問 ・ FRCN 本部にて、FRCN がタ局及びINSが局代表者との基本設計概要書及び M/D の説明・協議		アブジャ
4	2月20日	火	・ FRCN 本部にて、「教育放送共同プロジェクト」に係る合同協議 出席者: FRCN、基礎教育普遍化庁(UBEC)、全国遊牧民教育協会(NCNE)、国立教員研究所(NTI)、国立成人識字生涯教育庁(NCME)		アブジャ
5	2月21日	水	移動[アブジャ(08:00) カドナ(10:00)] ・ FRCN がタ局表敬訪問 ・ ジャジ送信所(カドナ)調査 移動[カドナ(16:00) アブジャ(18:00)]		アブジャ
6	2月22日	木	・ NPC/FRCN との M/D 協議・締結 ・ EOI/JICA へ調査結果報告		アブジャ
7	2月23日	金	・ 収集資料・データ整理		アブジャ
8	2月24日	土		移動[アブジャ(23:25) LH563 → (機中)]	機中
9	2月25日	日		フランクフルト着(05:20) 移動[フランクフルト(20:20) JL408 → (機中)]	機中
10	2月26日	月		東京着(15:50)	

## 資料-3 相手国関係者リスト

### 3. 相手国関係者リスト

<u>所属及び氏名</u>	<u>職位</u>
<b>国家計画庁</b>	
<b>National Planning Commission (NPC)</b>	
Mr. E. P. Odiachi	Director, (DISDC)
Mr. R. O. Showole	Chief Planning Officer, Bilateral Aid Division
Mr. Nwozuzu Samuel	Principal Planning Officer, Bilateral Aid Division
<b>情報省</b>	
<b>Federal Ministry of Information and National Orientation (FMINO)</b>	
Mr. Frank Nweke Jr.	Minister
Mr. S. B. Ozigis, mni	Permanent Secretary
<b>ナイジェリアラジオ放送公社 本部</b>	
<b>Federal Radio Corporation of Nigeria (FRCN), Headquarters</b>	
Mr. Kevin Ejiofor, FNIPR	Acting Director General & Chief Executive
Engr. Ademola W. Elegbede, MNSE	Director, Engineering Services
Ms. Maria Odeh	Director, Programmes
Mr. R. Asiegbu	Deputy Director, Sports & OB VAN
Mr. Ike Okere	Deputy Director, Corporate Development & Communication
Mr. S. O. Moses	Deputy Director, Engineering HQ
Mr. I. Eze	Senior Assistant To Director General
Mr. A. Gambo Musa	Chief Engineer
<b>ナイジェリアラジオ放送公社 アブジャ局(グワグワラダ送信所)</b>	
<b>Federal Radio Corporation of Nigeria (FRCN), Abuja National Station (Gwagwalada Transmitting Station)</b>	
Mr. Muhammad B. M. Saba	Deputy Director, Engineering Services
<b>ナイジェリアラジオ放送公社 カドゥナ局</b>	
<b>Federal Radio Corporation of Nigeria (FRCN), Kaduna National Station</b>	
Mr. Yusuf Nuhu, mni	Executive Director
Engr. Hamza M. Mohammed, MNSE	Deputy Director, Engineering Services
Alh. Yusuf Garba	Assistant Director, Engineering Services
Ms. Mairo Sule	Assistant Director, Programmes
Mr. Ishaya Buba	Senior Engineer
Mr. Abubakar B. Ahmed	Senior Technical Officer
Alh. Rabiun Tanko	Chief Technical Officer
Mr. Abdullrahman Hassan	Assistant Chief Technical Officer
Mr. Samuel Shinkut	Principal Technical Officer
Mr. Sunday Odofin	Technical Officer II

**ナイジェリアラジオ放送公社 エヌグ局**

**Federal Radio Corporation of Nigeria (FRCN), Enugu National Station**

Mr. Emman Anyameluhor	Acting Executive Director
Ms. Virgy U. Ani	Deputy Director, Programmes
Mr. Ralph Effiong	Deputy Director News
Mr. Tony Adione	Deputy Director Admin. & Supplies
Engr. Jonas N. Emechebe	Assistant Director, Engineering Services
Mr. Onwuka Ehma Chuma	Chief Engineer
Mr. Jonathan I. Ohajekwe	Chief Technical Officer
Mr. Christopher E. Chibua	Assistant Chief Technical Officer
Mr. Rufus I. Okafor	Principal Technical Officer
Mr. Sunday I. Eze	Principal Technical Officer
Mr. F. O. Ngene	Principal Technical Officer
Mr. O. Nwokpoku	Technical Officer I
Mr. F. O. Eze	Technical Officer I
Mr. B. O. Ogbonna	Technical Officer I
Mr. N. N. Izinga	Technical Officer II
Mr. B. K. Nze	Technical Officer II
Mr. O. Ogbonnaya	Technical Officer II

**基礎教育普遍化庁**

**Universal Basic Education Commission (UBEC)**

Mr. Gidado Tahir	Executive Secretary
Mr. Bello Kagarq	Coordinator, World Bank and Special Projects
Alh. Iro Umar	Assistant Project Coordinator
Dr. T. Alabi	Deputy Director Strategic Planning & Coordinator Open Education

**全国遊牧民教育協会**

**National Commission for Nomadic Education (NCNE)**

Dr. Nafisatu D. Muhammad	Executive Secretary
Mr. Ibrahim Yamta	Deputy Director, Monitoring, Evaluation & Statistics
Barrister Jacs I. Nkumeh	Deputy Director, Administration
Mal. Mohammed D. El-Nafatty	Assistant Director Mobilization & Public Enlightenment
Ms. Ijeoma G. Amugo	Head of Administration
Mr. B. Tahir	Assistant Chief Monitoring Officer
A.S.N. Haruna	Assistant Chief Mobilization Officer
Alh. Abdulrahman Pate Yola	Radio Consultant
Mr. David Akinbode	Chief Accountant
Dr. Umar Ardo	JICA Desk Officer



Ms. Halima Yoman	JICA Desk Officer
Ms. Kenneth Dickens Nwabuko	Graphics Designer
Ms. Chinyere Uga	Documentation
Mr. Jerome Onyeye	Computer Unit
Mal. Lawal B.	Computer Unit
Mr. Fidelis Idoko	Information officer

#### **国立教員研究所**

##### **National Teachers' Institute (NTI)**

Mr. U.R. Ismaila	Director, Academic Support Services
Mr. D.A. Iamah	Director, Special Duties
Dr. D. O. Yaya	Assistant Director, Educational Technology
Dr. Eugenia O. Ukpo	Assistant Director, Learner Support

#### **国立成人識字生涯教育庁**

##### **National Commission for Mass Literacy Adult and Non-formal Education (NCME)**

Dr. Cecilia T. Pwol	Director Women Education and Literacy
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#### **カドゥナ州立ラジオ・テレビ公社**

##### **Kaduna State Media Corporation (KSMC)**

Mr. Ibrahim Bala Turundu	Executive Director, Radio Services
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#### **世界銀行ナイジェリア事務所**

##### **The World Bank Country Office**

Mr. Tunde Adekola	Senior Education Specialist
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#### **国連児童基金(ユニセフ)**

##### **United Nations Children's Fund (UNICEF)**

Mr. Jim Ackers	Chief of Basic Education
Dr. Tajudeen Oyewale	Project Officer, HIV/AIDS Education/School Health
Ms. Akiko Hanaya	Junior Professional Officer
Mr. George W. Cooke	Chief, Field Office/Assistant Representative
Mr. Hilary Ozoh	Programme Communication Officer
Ms. Ijeoma Onouoha-Ogwe	APO Communication

#### **英国国際開発省**

##### **Department for International Development (DFID), British High Commission**

Mr. Rob Shooter	Senior Programme Coordinator, Human Development
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#### **米国国際開発庁**

##### **U.S. Agency for International Development (USAID), Nigeria**

Ms. Ann Oden	Senior Education Program Specialist
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**在ナイジェリア日本国大使館**  
**Embassy of Japan in Nigeria**

Mr. Akio Tanaka

Ambassador

Mr. Shintaro Kitagawa

First Secretary

Mr. Shigeru Yamamoto

First Secretary

Mr. Yasuhiro Yamauchi

Economic Cooperation

**JICA ナイジェリア事務所**  
**JICA Nigeria Office**

Mr. Shigeo Yamagata

Resident Representative

Mr. Kuniaki Amatsu

Assistant Resident Representative

Mr. Hikaru Kusakabe

JICA Programme Advisor

Mr. Ayandele, M. Kola

Programme Officer (Education Sector)

**資料-4 協議議事録(M/D)**

#### 4. 協議議事録 (MD)

**Minutes of Discussions  
on the Basic Design Study  
on the Project for Rehabilitation of Medium Wave Radio Broadcasting Network  
for the Enhancement of Education  
in Federal Republic of Nigeria**

In response to the request from the Government of Federal Republic of Nigeria, the Government of Japan decided to conduct a Basic Design Study on “The Project for Rehabilitation of Medium Wave Radio Broadcasting Network for the Enhancement of Education” (hereinafter referred to as “the Project”) and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as “JICA”).

JICA sent to Nigeria the Basic Design Study Team (hereinafter referred to as “the Team”), headed by Mr. Nobutaka KONDO, Senior Project Administrative Officer, ICT & Governance Team, Grant Aid Management Department, JICA and is scheduled to stay in the country from 7 September to 7 October, 2006.

The Team held discussions with the officials concerned of the Government of Nigeria and conducted a field survey at the study areas.

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

Abuja, 20 September, 2006

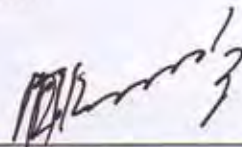


Shigeo YAMAGATA  
Resident Representative  
Nigeria Office  
Japan International Cooperation Agency



Kevin EJIOFOR  
Ag. Director General & Chief Executive  
Federal Radio Corporation of Nigeria

Witness



R. O. Showole  
Assistant Director  
National Planning Commission  
Federal Republic of Nigeria

## ATTACHMENT

### 1. Objective

The objective of the Project is to rehabilitate transmitting equipment and facilities of Federal Radio Corporation of Nigeria (hereinafter referred to as "FRCN") and improve the situation of educational broadcasting in Nigeria.

### 2. Project Site

The sites of the Project are shown in Annex-1.

### 3. Responsible and Implementing Organizations

- (1) The responsible ministry is Federal Ministry of Information and National Orientation.
- (2) The implementing agency is the FRCN (The organization chart of FRCN is shown in Annex-2).

### 4. Items Requested by the Nigerian Government

After discussions with the Team, the items described in Annex-3 were finally requested by the Nigeria side. JICA will assess the appropriateness of the request and will recommend to the Government of Japan for approval.

### 5. Japan's Grant Aid Scheme

- (1) The Nigeria side understands the Japan's Grant Aid scheme and the necessary measures to be taken by the Government of Nigeria explained by the Team as described in Annex-4.
- (2) The Nigeria side will take necessary measures, as described in Annex-5, for smooth implementation of the Project, as a condition for the Japan's Grant Aid to be implemented.

### 6. Schedule of the Study

- (1) The consultants will proceed to further study in Nigeria until October 7, 2006.
- (2) JICA will prepare the draft report in English and dispatch a mission to Nigeria in order to explain its contents in the middle of January, 2007.
- (3) In case that the contents of the report is accepted in principle by the Government of Nigeria, JICA will complete the final report and send it to the Government of Nigeria by the end of April, 2007.

### 7. Other Relevant Issues

- (1) The Nigeria side understood that the Japan's Grant Aid Project cannot cover all the requests submitted by the Nigeria side in June, 2004, and also understood the need to optimize the components of the equipment/facilities from the viewpoint of cost-effectiveness.
- (2) The FRCN shall provide the programs which are truly beneficial for the education of the

people living within the coverage of the broadcasting. For that purpose, FRCN and JICA will closely cooperate to discover the best way to utilize broadcasting for education in the future.

- (3) The FRCN shall offer discount price to broadcast educational programs produced by the other organizations.
- (4) The Nigeria side shall prepare the license of each station to be covered by the Project to proof the power and the frequency have already been approved by the NBC (National Broadcasting Commission) and the ITU (International Communication Union).
- (5) The Nigeria side shall make maximum effort to improve equipment and facilities of FRCN (e.g.: renovation of the old antennas) by its own budget in the future from the viewpoint of self-reliance.
- (6) The Nigeria side shall allocate sufficient budget and qualified staff to properly and effectively operate/maintain the equipment and facilities.
- (7) The Nigeria side shall furnish and/or improve facilities for electricity supply for the equipment to secure transmitting conditions by the Nigeria side's expenses.
- (8) The Nigeria side shall execute the followings, as conditions for the construction/installation work by the Japan side.
  - Interior works of the existing transmitter room(s)
  - Supply of city power and water
  - Putting fences around the project site(s)
- (9) The Nigeria side shall complete the removal of the existing antenna(s) and the land clearance by its own budget shortly after the Exchange of Notes will be signed by both governments, in case that new antenna(s) will be established in the Project.
- (10) The FRCN understood that current MW broadcasting would be adjourned temporarily in case that new antenna(s) would be introduced. In such case, the FRCN shall inform its listeners of the temporary halt of broadcasting in advance.
- (11) The Nigeria side shall ensure prompt tax exemption and customs clearance of the products at the port of disembarkation.
- (12) The Nigeria side shall exempt from VAT concerning local procurement of goods and services under the Project to a Japanese supplier.
- (13) The Nigeria side shall ensure safety for Japanese firms during the implementation stage of the Project.
- (14) The Nigeria side requested that the technical cooperation be carried out by JICA, regarding the operation/maintenance of the procured equipment and educational broadcasting. The Nigeria side understood that another official request will be necessary to be submitted by the Nigeria side to the Japanese side through the Embassy of Japan/JICA Nigeria Office.

Site Map of the Project



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A-4-5

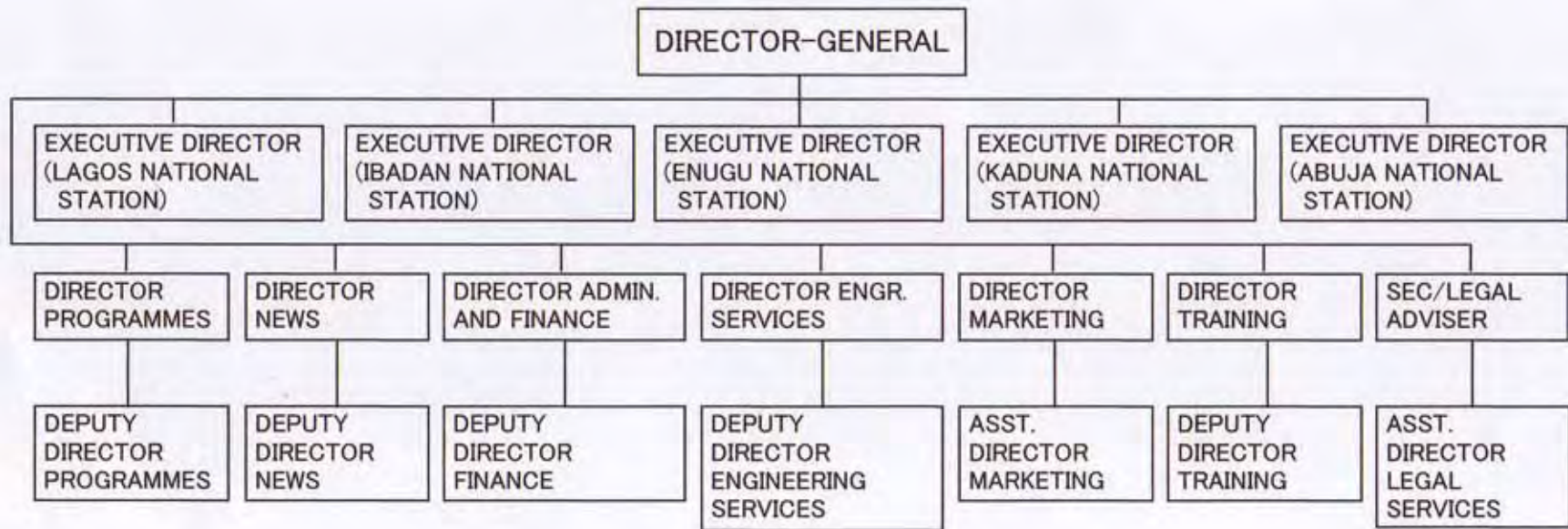
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Organization Chart of the Implementing Agency

FEDERAL RADIO CORPORATION OF NIGERIA



A-4-6

**List of the Requested Items by the Nigeria Side**

No.	Item	Qty.
<b>Kaduna Station</b>		
1	200kW Medium Wave Transmitter (The transmitter currently used will be saved as a backup.)	1 set
2	Dummy Load	1 set
3	Program Input Equipment	1 set
4	Measuring Equipment	1 set
5	AVR & PDB	1 set
6	Test Equipment	1 set
7	Essential Spare Parts / Consumables	1 set
8	Installation Materials	1 set
9	MW Antenna System	1 set
<b>Enugu Station</b>		
1	50kW Medium Wave Transmitter (The transmitter currently used will be saved as a backup.)	1 set
2	Dummy Load	1 set
3	Program Input Equipment	1 set
4	Measuring Equipment	1 set
5	AVR & PDB	1 set
6	Test Equipment	1 set
7	Essential Spare Parts / Consumables	1 set
8	Installation Materials	1 set
9	Repair Work of the Existing Antenna (Painting, etc.)	1 set

## 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 scheme is executed through the following procedures:

Application	(Request made by the recipient country)
Study	(Basic Design Study conducted by JICA)
Appraisal & Approval	(Appraisal by the Government of Japan and Approval by the Cabinet)
Determination of 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 (Japan International Cooperation Agency) 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 Scheme, 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 (E/N) 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. The contents of the Study are as follows:

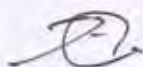
- Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project’s implementation.
- Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, 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 consulting firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms. The firm(s) selected 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 national disaster, 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.)

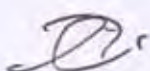
#### (4) Necessity of "Verification"

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:

- a) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the construction,
- b) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites,
- c) To secure buildings prior to the procurement in case the installation of the equipment,
- d) 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,

- e) 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,
- f) 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 (A/P) 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.

(End)

**Major undertakings to be taken by each Government**

No.	Items	To be covered by Grant Aid	To be covered by Recipient Side
1.	To secure land		●
2.	To clear, level and reclaim the site when needed *1)		●
3.	To construct gates and fences in and around the site *2)		●
4.	To construct the parking lot	●	
5.	To construct roads		
	1) Within the site	●	
	2) Outside the site *3)		●
6.	To construct the buildings	●	
7.	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1) Electricity		
	a. The distributing line to the site		●
	b. The drop wiring and internal wiring within the site	●	
	c. The main circuit breaker and transformer	●	
	2) Water Supply		
	a. The city water distribution main to the site		●
	b. The supply system within the site (receiving and elevated tanks)	●	
	3) Drainage		
	a. The city drainage main (for storm, sewer and others) to the site		●
	b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	●	
	4) Gas Supply		
	a. The city gas main to the site		●
	b. The gas supply system within the site	●	
	5) Telephone System		
	a. The telephone trunk line to the main distribution frame/panel (MDF) of the building		●
	b. The MDF and the extension after the frame/panel	●	
	6) Furniture and Equipment		
	a. General furniture		●
	b. Project equipment	●	
8.	To bear the following commissions to the Japanese foreign exchange bank for the banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
9.	To ensure unloading and customs clearance at port of disembarkation in recipient country		
	1) Marine (Air) transportation of the products from Japan to the recipient country	●	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		●
	3) Internal transportation from the port of disembarkation to the project site	●	
10.	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.		●
11.	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 contracts.		●
12.	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant.		●
13.	To bear all the expenses, other than those to be borne by the Grant, necessary for construction of the facilities as well as for the transportation and installation of the equipment.		●

(B/A: Banking Arrangement, A/P: Authorization to Pay)


**Minutes of Discussions  
on the Basic Design Study  
on the Project for Rehabilitation of Medium Wave Radio Broadcasting Network  
for the Enhancement of Education  
in the Federal Republic of Nigeria  
(Explanation of Draft Final Report)**


In September/October 2006, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched the Basic Design Study Team on "The Project for Rehabilitation of Medium Wave Radio Broadcasting Network for the Enhancement of Education" (hereinafter referred to as "the Project") to the Federal Republic of Nigeria, and through discussions, field survey, and technical examination of the results in Japan, JICA prepared a draft final report of the study.

In order to explain and to consult the officials concerned of Nigeria on the components of the draft final report, JICA sent to Nigeria the Draft Final Report Explanation Team (hereinafter referred to as "the Team") from February 18 to 24, 2007.

As a result of the discussions, both sides confirmed the main items described on the attached sheet.

Abuja, 22 February, 2007

  
Shigeo YAMAGATA  
Resident Representative  
Nigeria Office  
Japan International Cooperation Agency

  
for: Ben EGBUNA  
Director General & Chief Executive  
Federal Radio Corporation of Nigeria

Witness

  
R. O. Showole  
Assistant Director  
National Planning Commission  
Federal Republic of Nigeria



## ATTACHMENT

### 1. Components of the Draft Final Report

The Nigerian side agreed and accepted in principle the components of the draft final report and the draft detailed specifications of the equipment explained by the Team.

### 2. Japan's Grant Aid Scheme

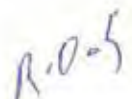
The Nigerian side understands the Japan's Grant Aid scheme and the necessary undertakings to be taken by the Federal Radio Corporation of Nigeria (hereinafter referred to as "FRCN") as explained by the Team and described in the Minutes of Discussions signed by both the sides on 20 September, 2006.

### 3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to Nigeria by the end of April, 2007.

### 4. Other Relevant Issues

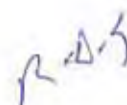
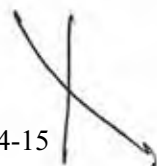
- (1) The FRCN shall provide the programs which are truly beneficial for the education of the people living within the coverage of the broadcasting. For that purpose, FRCN and JICA will closely cooperate to discover the best way to utilize broadcasting for education in the future.
- (2) The FRCN shall consider the issue of airtime of educational programs and offer discount price to broadcast those programs produced by the other organizations.
- (3) Both the Nigerian and Japanese sides have confirmed that the FRCN shall examine creation of a collaborative implementation scheme related to educational broadcasting by establishing National Coordinating Committee for Educational Broadcasting (NCCEB) between the FRCN and educational agencies.
- (4) The FRCN shall submit a plan for Collaborative Project of Educational Radio Broadcasting prepared by NCCEB to the Japanese side by the end of May 2007.
- (5) Both the Nigerian and Japanese sides have already confirmed the license of frequency assignment and the land ownership of each station.
- (6) The Nigerian side shall make maximum effort to improve equipment and facilities of FRCN (e.g. replacement of the old transmitters) by its own budget in the future from the viewpoint of self-reliance.
- (7) The Nigerian side shall allocate sufficient budget and qualified staff to properly and effectively operate/maintain the equipment and facilities.
- (8) The Nigerian side shall furnish and/or improve facilities for electricity supply for the equipment to secure transmitting conditions by the Nigerian side's expenses.



- (9) The Nigerian side shall execute the following undertakings, as conditions for the construction/installation work by the Japanese side.
- Renovation and repair work of transmitter building
  - Electrical work and power supply to connect to the terminal point
  - Securing of loading entrance for equipment
  - Construction of fences around the project site(s)
  - Supply of city power and water
- (10) The Nigerian side shall complete the removal of the existing antenna(s) and the land clearance by its own budget after the Exchange of Notes to be signed by both the governments, before the installation work of the new antennas.
- (11) The Nigerian side shall submit the schedule of the works to be done by the Nigerian side as mentioned above (8) up to (10) to the Japanese side by the following targets:
- Time schedule for budget securing of the works: by the end of March 2007
  - Implementation schedule of the works: by the end of March 2007
- (12) The FRCN understood that current MW broadcasting would be adjourned temporarily in case that new antenna(s) would be introduced. In such case, the FRCN shall inform its listeners of the temporary halt of broadcasting in advance, and carry out test broadcasting when antenna(s) and transmitter(s) would be renewed.
- (13) The Nigerian side shall ensure prompt tax exemption and customs clearance of the products at the port of disembarkation.
- (14) The Nigerian side shall exempt the Japanese supplier from VAT concerning local procurement of goods and services under the Project.
- (15) The Nigerian side shall ensure safety for the Japanese personnel during the implementation stage of the Project.

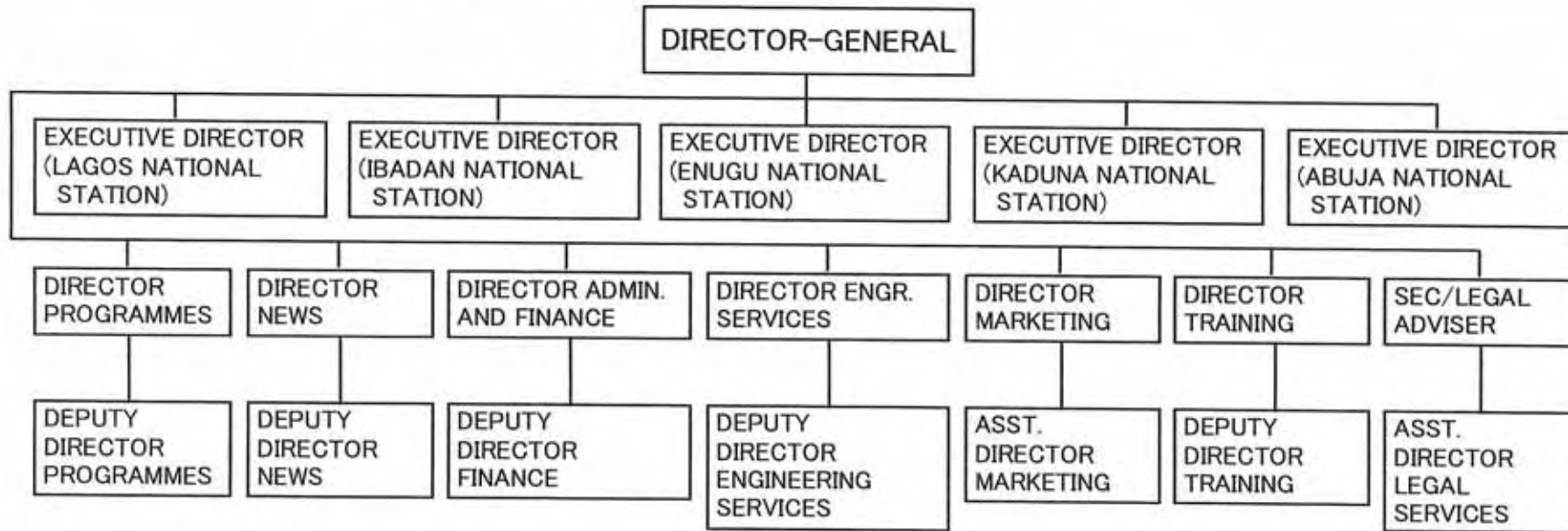
Annexes:

1. Organization Chart of the Implementing Agency
2. Site Map of the Project
3. List of the Requested Items by the Nigerian Side
4. Work Demarcation of the Project (Draft)
5. Minutes of Joint Meeting on Collaborative Project of Educational Radio Broadcasting



Organization Chart of the Implementing Agency

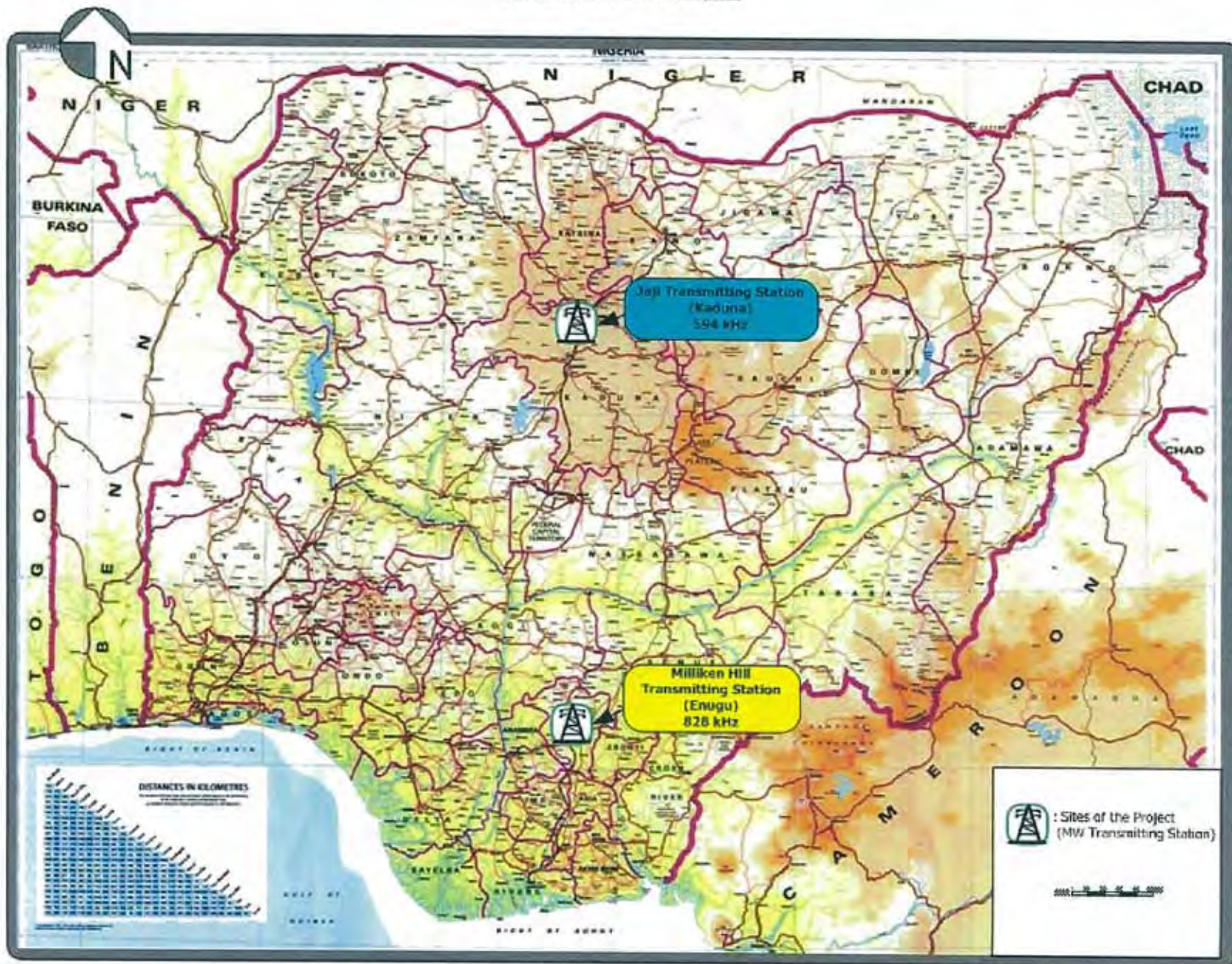
FEDERAL RADIO CORPORATION OF NIGERIA



A-4-16

RTS

Site Map of the Project



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**List of the Requested Items by the Nigerian Side**

No.	Item	Qty.
<b>Kaduna Station</b>		
1	200kW Medium Wave Transmitter (The transmitter currently used will be saved as a backup.)	1 set
2	200 kW Dummy Load	1 set
3	Program Input Equipment	1 set
4	AVR & PDB	1 set
5	Test Equipment	1 set
6	MW Antenna System	1 set
7	Air Conditioning System	1 set
8	Essential Spare Parts / Consumables	1 set
9	Installation Materials	1 set
<b>Enugu Station</b>		
1	100kW Medium Wave Transmitter (50 kW+50 kW Combine System)	1 set
2	100 kW Dummy Load	1 set
3	Program Input Equipment	1 set
4	AVR & PDB	1 set
5	Test Equipment	1 set
6	MW Antenna System	1 set
7	Air Conditioning System	1 set
8	Essential Spare Parts / Consumables	1 set
9	Installation Materials	1 set

**Work Demarcation of the Project (Draft)**

Work Item	Responsibilities		Remarks
	Japan	Nigeria	
<b>1. Common to the both Transmitting Stations</b>			
(1) Equipment procurement	○		Including air conditioning system
(2) Equipment transportation to project site	○		
(3) Equipment installation work	○		
(4) Testing & training at project site	○		
(5) Test Broadcasting	(Advice)	○	
<b>2. Jaji Transmitting Station (Kaduna)</b>			
(1) Removal work of existing equipment - Antenna including antenna tuning unit, radial earth, stay wires & foundations - Land clearance after removing the above-mentioned antenna - Air chamber - Other equipment unnecessary for the Project		○	To be completed before work by the Japanese side begins
(2) Building renovation & repair work - Wall: Repair, paint & hole filing - Floor 1: Removal of existing tiles & dust proof floor finishing - Ceiling: Repair & paint - Roof: Repair & renewal (including removal of existing ventilating opening) - Installation of partition for new TX room (block, mortar finish & paint) - Door: Ironwork - Room light: Renew (especially in new TX room)		○	Same as above
(3) Electrical work & power supply - Transformer for new TX (about 500 to 800 kVA) - Cable & connection work from city power & generator up to new PDB via transformer - Appropriate maintenance of emergency generators		○	Same as above (However, new PDB will be provided by the Japanese side & is the <b>terminal point</b> of work between the Japanese & Nigerian sides.)
(4) Security of new TX & loading entrance for other equipment		○	Same as above
(5) Installation of fence in the periphery of project site		○	Same as above
(6) Security of city power and water supply		○	A well should be constructed immediately.
<b>3. Millken Hill Transmitting Station (Enugu)</b>			
(1) Removal work of existing equipment - Antenna (including antenna tuning unit, radial earth, stay wires & foundations) - Land clearance after removing the above-mentioned antenna - Removal of air filter around air chamber room (including air chamber room cleaning) - Other equipment unnecessary to the Project		○	To be completed before work by the Japanese side begins

Work Item	Responsibilities		Remarks
	Japan	Nigeria	
(2) Building renovation & repair work - Wall: Repair, paint & hole filing - Floor 1: Removal of existing tiles & dust proof floor finishing - Ceiling: Repair & paint (waterproofing of rain leakage areas) - Roof: Repair & renew (waterproofing of rain leakage areas) - Installation of partition for new TX room (block, mortar finish & paint) - Door: Ironwork - Room light: Renew (especially in new TX room)		○	Same as above
(3) Electrical work & power supply - Connection work from city power or emergency generator up to new PDB via above-mentioned transformer - Appropriate maintenance of emergency generators & transformers		○	Same as above (However, new PDB will be provided by the Japanese side & is the <b>terminal point</b> of work between the Japanese & Nigerian sides.)
(4) Security of new TX & loading entrance for other equipment		○	Same as above
(5) Security of access roads until antenna installation spots		○	Same as above
(6) Installation of fence in the periphery of project site		○	Same as above
(7) Security of city power and water supply		○	Same as above

JOINT MEETING ON COLLABORATIVE PROJECT OF EDUCATIONAL RADIO  
BROADCASTING

DATE: 20<sup>TH</sup> FEB. 2006

VENUE: FRCN Conference Room, Abuja Nigeria

TIME: 11.30 a.m. – 3p.m.

ATTENDANCE (22 persons)

Chair: Mr. Kevin Ejiofor - Executive Director FRCN

Nigerian Groups -

- FRCN
  - Engr. Elegbede
  - Engr. J. Emechebe
  - Engr. H. M. Mohammed
  - Mr. R. Asiegbu
  - Mrs. V. U. Ani
  - Mr. Ike Okere
  - Mrs. M. D.B. Sule
  - Mr. S. O. Moses
  - Mr. I. Eze
  
- NATIONAL TEACHERS INSTITUTE
  - DR. D.O. Yaya
  - Dr. E. O. Ukpoko
  
- UBEC
  - Mr. I. Umar
  - Dr. T. Alaci
  
- NCNE
  - Dr. N. D. Mohammad
  - Mr. M.D. El-Nafaty
  
- NMEC
  - Dr. (MRS) C. T. Pwoli
  
- ABG Corrm. (JICA facilitator)
  - Dr. Musa Bawa
  
- JICA ○ Mr. Akira Hara
  - Mr. S. Yamagata



- o Mr. K. Tanaka
- o Mr. T. Kobayashi
- o Mr. N. Nambu

**AGENDA:**

- a. Project scope
- b. Project target audience
- c. Formation of implementation
- d. Role allotment
- e. Financing
- f. Milestones of implementation
- g. Others

**RESOLUTIONS**

1. Project Scope:

Mechanism for achievement of the scope to be worked out by NCCEB

Project Goal

- Using radio to enhance quality education in Nigeria

Project Period

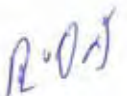
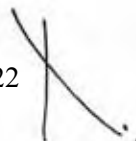
- transmission begins Feb. 2009 for Kaduna 1<sup>st</sup> phase
- 2<sup>nd</sup> phase begins Feb. 2010

2. Target Audience

- non-literate adults
- out-of-school children
- nomadic groups
  - fishermen
  - pastoralists
  - migrant farmers/labourers
- primary school children
- primary school teachers

3. Formation of an Implementation Team

- National Coordinating Committee for Educational Broadcasting (NCCEB - proposed name) comprising of today's attendance plus NERDC, (*National Education Research and Development Council*)



- Participating organisations – FRCN, NTI, UBEC, NMEC, NCNE, (to invite NERDC)

- Secretariat – DG's office, FRCN

- Organogram – to be done later
- Staffing – later
- Human resource – later

4. Role Allocation – for next meeting

5. Financing

- each organisation will name source of funding at the next meeting

6. Milestones

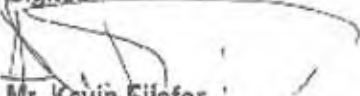
- collaborative project plan
  - Plan Design – each agency to submit programme scale by the next 2 weeks
  - Should incorporate all items in no. 6

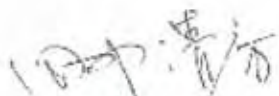
7. Instructional Design presentation by JICA

#### ACTION NOTES

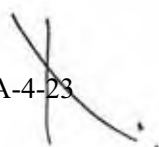
1. Each agency to prepare and send Plan Design incorporating all items in agenda 6 by 9<sup>th</sup> March 2007 (each agency should include sustainability component, and look at sources of funding and weaknesses therein)
2. Secretariat to send out meeting notices after receiving submissions in by 14<sup>th</sup> March
3. Next Committee Meeting 28<sup>th</sup> March 2007

Signed

  
Mr. Kevin Ejiofor  
Chair  
f DG FRCN

  
Mr. Kiyofusa Tanaka  
For: JICA Study Team







## 資料-5 事業事前計画書(基本設計時)

## 5. 事業事前計画表(基本設計時)

<b>1. 対象事業名</b>
ナイジェリア国 教育放送改善のための中波放送局リハビリテーション計画
<b>2. 要請の背景(協力の必要性・位置付け)</b>
<p>(1) ナイジェリア連邦共和国(以下、「ナ」国と称す)では自国内経済の再建、貧困削減の取り組みのため、1999年以降、経済政策を力強く行ってきた。その中でも教育の質・量的向上が重要な課題とされている。</p> <p>(2) こうした中、教育改善の大きな取り組み手法として、ラジオ放送の活用が以前から注目を集めていた。「ナ」国全体のラジオの世帯普及率は76%と、テレビや一般加入電話、携帯電話等に比べて極めて高い割合となっている。特に国土のおよそ半分が牧草地であり、そこに暮らす遊牧民と、南部沿岸部の湿地帯で生計を営む多くの遊動漁民等、移動しながら生活をする人々にとって、ラジオ放送が最も便利で唯一の即時性メディアになっている。中波ラジオ放送は、電波特性からカバレッジが広く、遊牧民等の活動地域を十分カバーすることが可能であり、継続した重要な情報の伝達や識字教育にも有効であるとされている。</p> <p>(3) しかしながら、過去整備した1970年代の送信機は、老朽化及びそれに伴う性能劣化が進行し、放送開始当時にカバーしていた遊牧民等の活動エリアをカバーすることが困難な状況になり、放送の継続が危ぶまれている状況下に置かれている。「ナ」国はこのような状況を改善するため、FRCNの中波送信システム更新について、我が国へ無償資金協力を要請した。</p> <p>(4) この要請を受けて我が国は予備調査を実施し、無償資金協力事業としての必要性、緊急性、妥当性を確認するとともに、「ナ」国に本計画によって導入される機器等の維持管理能力及び中波ラジオ放送の活用に対する要望が強いことを確認した。</p> <p>(5) 本計画は、FRCNの地域拠点局であるカドゥナ局及びエヌグ局の中波ラジオ送信機を更新するものであり、これにより「ナ」国の広大な地域に点在する多くの人々に、さまざまな生活に必要な情報を提供するとともに教育へのアクセス改善を目標とし、目標を達成するために中波ラジオ放送のカバレッジを拡大・改善し、情報格差の是正を目的とするものである。</p>
<b>3. プロジェクト全体計画概要</b>
<p><b>(1) プロジェクト全体計画の目標(裨益対象の範囲及び規模)</b>                  「ナ」国中波送信所2箇所の送信システムを整備することにより、継続的かつ安定した教育放送の実施が可能になり、多くの地域住民、特に遊牧民(630万人)及び遊動漁民(280万人)の生活向上に裨益することを目的とする。</p> <p>(裨益対象の範囲及び規模)                  「ナ」国北部及び南部の住民約8,600万人</p> <p><b>(2) プロジェクト全体計画の成果</b>                  FRCN中波送信所の設備が改善され、中波ラジオ放送のカバレッジが拡大する。</p> <p><b>(3) プロジェクト全体計画の主要活動</b></p> <ol style="list-style-type: none"> <li>1) <u>中波ラジオ放送の送信状況の改善</u></li> <li>2) <u>教育放送番組の促進</u></li> <li>3) 運営・維持管理体制を整え、必要な人員の配置</li> <li>4) 上記施設・機材に関する運営・維持管理予算の確保</li> <li>5) 共同プロジェクトによる教育放送の実施</li> </ol> <p><b>(4) 投入(インプット)</b></p> <ol style="list-style-type: none"> <li>1) 日本側(=本案件): 無償資金協力11.7億円</li> <li>2) 「ナ」国側                 <ol style="list-style-type: none"> <li>(ア) 関係機関の関係者、運営維持管理要員の確保</li> </ol> </li> </ol>

<p>(イ) 教育番組制作体制の整備</p> <p>(ウ) 施設・機材の運営・維持管理に係る経費：年間約 70 万ナイラ</p> <p>(I) 教育放送共同プロジェクト体制の構築</p> <p><b>(5) 実施体制</b></p> <ul style="list-style-type: none"> <li>・ 主管官庁： 情報通信省(Federal Ministry of Information and Communications)</li> <li>・ 実施機関： ナイジェリアラジオ放送公社(Federal Radio Corporation of Nigeria : FRCN)</li> </ul>												
<p><b>4. 無償資金協力案件の内容</b></p>												
<p><b>(1) サイト</b></p> <p>第 1 期:カドゥナ州 FRCN ジャジ送信所      第 2 期:エヌグ州 FRCN ミルケン・ヒル送信所</p> <p><b>(2) 概要</b></p> <p>FRCN カドゥナ局及びエヌグ局管轄の中波送信システム(送信機、ダミーロード、番組入力機器ラック、自動電圧装置及び分電盤、中波アンテナシステム、空調システム、測定器、交換部品等)の調達・据付工事</p> <p><b>(3) 相手国側負担事項</b></p> <p>1) 既設機材の撤去    2) 送信所局舎改修及び補修    3) 電気工事及び電源の供給  4) 新規機材搬入口の確保    5) アンテナ設置箇所までのアクセス道路の確保(第 2 期のみ)  6) プロジェクト・サイトの外周フェンス設置    7) 水道の確保(第 1 期のみ)</p> <p><b>(4) 概算事業費</b></p> <p>概算事業費 12 億円 (無償資金協力 11.7 億円、「ナ」国側負担 3,000 万円)</p> <p><b>(5) 工期</b></p> <p>第 1 期： 19 ヶ月    第 2 期： 18.5 ヶ月    (各詳細設計、入札期間を含む)</p> <p><b>(6) 貧困、ジェンダー、環境及び社会面の配慮</b></p> <p>本計画によって実施される中波ラジオ放送による教育放送は、貧困率が 70%以上と高い地域が含まれている。また機材が整備される施設は、既設送信機の交換であることから環境への負の影響はない。さらに社会的配慮については、工事期間中、現在実施している中波放送を停波する必要があり、事前に聴取者に十二分に周知理解を求める必要がある。停波期間中の重要なニュースや必要な情報提供は、短波及び FM 放送により対応し、公共放送としての役割を果たす。</p>												
<p><b>5. 外部要因リスク</b></p> <p>(1) 想定外の異常気象が起こらない。  (2) 大きな政治、経済混乱がない。</p>												
<p><b>6. 過去の類似案件からの教訓の活用</b></p> <p>なし</p>												
<p><b>7. プロジェクト全体計画の事後評価に係る提案</b></p>												
<p><b>(1) プロジェクト全体計画の目標達成を示す指標</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30%;">項 目</th> <th style="width: 20%;">既存のカバレッジ人口(2006 年)</th> <th style="width: 20%;">更新後のカバレッジ推定人口(2010 年)</th> <th style="width: 30%;">増加人口</th> </tr> </thead> <tbody> <tr> <td>ジャジ送信所(カドゥナ局)</td> <td>930 万人</td> <td>4,600 万人</td> <td>+3,670 万人</td> </tr> <tr> <td>ミルケン・ヒル送信所(エヌグ局)</td> <td>290 万人</td> <td>4,000 万人</td> <td>+3,710 万人</td> </tr> </tbody> </table> <p><b>(2) その他の成果指標</b></p> <p>特になし</p> <p><b>(3) 評価のタイミング</b></p> <ul style="list-style-type: none"> <li>・ 事業終了時(2010 年)以降</li> </ul>	項 目	既存のカバレッジ人口(2006 年)	更新後のカバレッジ推定人口(2010 年)	増加人口	ジャジ送信所(カドゥナ局)	930 万人	4,600 万人	+3,670 万人	ミルケン・ヒル送信所(エヌグ局)	290 万人	4,000 万人	+3,710 万人
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## 資料-6 収集資料リスト

6. 収集資料リスト

調査名: ナイジェリア国 教育放送改善のための中波放送局リハビリテーション計画 基本設計調査

番号	名称	形態 図書・ビデオ・地図 ・写真等	オリジナル・コピー	発行機関	発行年
1	National Economic Empowerment and Development Strategy (NEEDS)	図書・CD	オリジナル	National Planning Commission	2004
2	Literacy by Radio, Facilitators' Guide	図書	オリジナル	National Commission for Mass Literacy, Adult and Non-formal Education	不明
3	Radio for Distance Learning among the Adult Nomadic Pastoralists	図書	オリジナル	National Commission for Nomadic Education	2003
4	Literacy Enhancement Assistance Programme, Teacher's Guide, LEAP Interactive Radio Instruction Programmes, Primary 3 (19-25)	図書	コピー	USAID/Nigeria	1995
5	National Report, Study on Improving Community Education and Literacy Using Radio and Television in Nigeria	図書	コピー	National Commission for Mass Literacy, Adult and Non-formal Education	2001
6	Capacity Building for National Commission for Nomadic Education (NCNE) Personnel on Interactive Radio Instruction (IRI) Methodology and Scripting	図書	コピー	National Commission for Nomadic Education	2004
7	Teacher's Training in Interactive Radio Instruction (IPI) Workshop	図書	コピー	National Commission for Nomadic Education	2004
8	Radio World, the Sound Alternative	図書	コピー	Dr. S. A. Shaibu	2002
9	Zuma Echoes, Radio/TV Mobilization Jingles	図書	コピー	Dr. S. A. Shaibu	2001
10	Advertisement Rate, FRCN Kaduna	資料	オリジナル	FRCN Kaduna	2005
11	Blueprint for the Education of Migrant Fishermen	資料	オリジナル	National Commission for Nomadic Education	1998

番号	名称	形態 図書・ビデオ・地図 ・写真等	オリジナル・コピー	発行機関	発行年
12	Journal of Nomadic Studies, No. 2, 1999	資料	オリジナル	National Commission for Nomadic Education	1999
13	Journal of Nomadic Studies, No. 4, 2001	資料	オリジナル	National Commission for Nomadic Education	2001
14	Annual Report 2003	資料	オリジナル	National Commission for Nomadic Education	2003
15	Annual Report 2004	資料	オリジナル	National Commission for Nomadic Education	2004
16	Ecology and Education in Nigeria	資料	オリジナル	National Commission for Nomadic Education	1997
17	Guidelines on the Operation of Nomadic Education Programme in Nigeria	資料	オリジナル	National Commission for Nomadic Education	1997
18	Readings on Distance Education for the Pastoral Nomads of Nigeria	資料	オリジナル	National Commission for Nomadic Education	1998
19	Nomadic Education in Africa	資料	オリジナル	Gidado Tahir	不明
20	Digest of Statistics	資料	コピー	UBEC	2005
21	Democracy Dividends in Kaduna State	資料	オリジナル	Kaduna State Government	2006
22	Five Years of Democratic Governance in Kaduna State, The Man, The Vision and The Mission	資料	オリジナル	Ministry of Information and Home Affairs	1999
23	English in Action Level 1, Activity Book	資料	オリジナル	OLSET	不明
24	English in Action Level 1, Teacher's Guide	資料	オリジナル	OLSET	不明



資料-7 周波数割り当てに係る  
ナイジェリア国家放送委員会書簡

7. 周波数割り当てに係るナイジェリア国家放送委員会書簡



NATIONAL BROADCASTING COMMISSION

Office of the Director-General

NBC/210/VOL.1/140

September 18, 2006

The Director-General  
Federal Radio Corporation of Nigeria  
Radio House  
P. M. B. 452  
Garki – Abuja

Plot 807, Ibrahim Taiwo Road,  
Asokoro District,  
P.O. Box 5747, Garki,  
Abuja Nigeria.  
☎ : 09 - 3147525, Fax: 09 - 3147522  
e-mail: info@nbc-nig.org Website: www.nbc-nig.org

**ATTENTION: ENGR. A. W. ELEGBEDE**

Your letter Reference No. DES/A.9/VOL.1/197 dated 18<sup>th</sup> September 2006, on the above issue, refers.

From our records your assigned Medium Wave (MW) frequencies are as listed below.

S/N	STATION	FREQUENCY	TRANSMITTER POWER ALLOWED
1.	Abuja National	909 KHZ	100 Kw
2.	Enugu National	828 KHZ	100 Kw
3.	Kaduna National	594 KHZ	250 Kw

There is no record of 1320 KHz been assigned for the Enugu National Office. If you intend to use this particular frequency (1320 KHz), please apply formally to the Commission.

Best Regards.

**MR. M. A. ATOYEBI**  
Director-General

資料-8 機材調達国に関する  
ナイジェリアラジオ放送公社書簡

8. 機材調達国に関するナイジェリアラジオ放送公社書簡

# **RADIO NIGERIA**

THE NETWORK FOR THE MILLENNIUM

DES/B.13/VOL.II/47

October 3, 2006

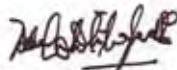
**Japan International Cooperation Agency,**  
2<sup>nd</sup> Floor,  
AP Plaza,  
Adetokunbo Ademola Crescent,  
Wuse II,  
Abuja

**(Attention: JICA Study Team)**

This is to certify that the Federal Radio Corporation of Nigeria has since 1976 been using purpose-built Studio/Transmitter Buildings, equipment and other ancillary facilities of Japanese origin which have endured till date.

The FRCN asserts that the Corporation consequently acquired appropriate experience and other salutary advantages and found Japanese equipment, durable and very cost effective.

The FRCN will cherish the opportunity to acquire and acquaint with state-of-the-art Japanese Broadcast equipment in future.



**ENGR. A. W. ELEGBEDE**  
**DIRECTOR, ENGINEERING SERVICES**



**FEDERAL RADIO CORPORATION OF NIGERIA (HEADQUARTERS)**  
RADIO HOUSE, P. M. B. 452, GARKI, ABUJA. Phone: [234] 9-234 1023, Fax: 09-234 6486