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APPENDIX-1 Member of the Survey Team

APPENDIX 1-1 MEMBER LIST

The Project for Construction of Basic Schools in the Republic of Yemen
MEMBER LIST for BASIC DESIGN STUDY, April 05 to May 04, 2002

1. **Mr. Hirotaka NAKAMURA** Team Leader
First Project Management Division
Grant Aid Management Department, JICA
2. **Mr. Tetsuro NISHIMURA** Chief Consultant/ Building Design
Kume Sekkei Co., Ltd.
3. **Mr. Hatashi MORIYA** Educational Planner / Operation & Maintenance
Matsuda Consultants International Co., Ltd.
4. **Mr. Yugo USUDA** Architect-I
Kume Sekkei Co., Ltd.
5. **Mr. Tetsuya SUZUKI** Architect -II
Kume Sekkei Co., Ltd.
6. **Mr. Kaname HYODO** Execution, Procurement and Cost Estimation
Matsuda Consultants International Co., Ltd.
7. **Mr. Saeko KONO** Education / WID
Kume Sekkei Co., Ltd.

MEMBER LIST for DRAFT EXPLANATION STUDY, August 07 to 18, 2002

1. **Mr. Hirotaka NAKAMURA** Team Leader
First Project Management Division
Grant Aid Management Department, JICA
2. **Mr. Tetsuro NISHIMURA** Chief Consultant / Building Design
Kume Sekkei Co., Ltd.
3. **Mr. Kaname HYODO** Execution, Procurement and Cost Estimation
Matsuda Consultants International Co., Ltd.

APPENDIX-2 Survey Schedule

APPENDIX 2 Survey Schedule (Basic Design Study)

(April 05,2002 to May 04,30days)

Date			Activities Official	Activities Consultants						
			Leader	Chief Consultant/ Building Design	Education Planner/ Ope and Maint	Architect-I	Architect-II	Implementation, Procurement and Cost Estimation	Education /WID (Supplement)	
			Hiroataka NAKAMURA	Tetsuro NISHIMURA	Hatasi MORIYA	Yuugo USUDA	Tetsuta SUZUKI	Kaname HYODO	Saeko KONO	
1	Apr 1/5	Fri	· Narita(11:00) Hong Kong(14:45)CX501 · Hong Kong(16:30) Dubai(23:30)CX733						Sama as Chief	
2	6	Sat	· Dubai(02:30) Sana'a (04:30)EK961 10:00 Embassy of Japan, courtesy call 11:00 MOE Deputy Secretary w/ Staff from Ibb/Taiz 12:00 MOE Minister Dr.Ganim, courtesy call 14:00 Luncheon (MOE)						Sama as Chief	
3	7	Sun	09:00 MOE discussion w/ Staff from Ibb/Taiz 12:30 MOPD Dty Minister Mr. Hisahm courtesy call 13:00 Collection of statistic data at CSO			· Narita (11:00) Hong Kong (14:45)CX501 · Hong Kong(16:10) Dubai(20:25)CX731			Sama as Chief	
4	8	Mon	09:00 MOE discussions 14:00 MOE Technical Office, data collection 17:00 Cost Investigation			· Dubai (02:30) Sanaa (04:30) EK961 09:00 MOE discussions			Sama as Chief	
5	9	Tue	06:30 move to Ibb 09:00 Governor of Ibb, courtesy call and site inspections 12:30 GEO Ibb, discussions, delivery of School Survey Sheets and Cost Investigation Sheets 15:00 move to Taiz (stayed at Taiz)							
6	10	Wed	09:00 Site Inspection 12:00 GEO Taiz, discussions, delivery of School Survey Sheets and Cost Investigation Sheets 15:00 Team Meeting (stayed at Taiz)							
7	11	Thu	09:00 move to Sana'a, Inspection of KfW, WB schools 16:30 Minutes Discussion w/ Dty Minister			09:00 Discussion of Schedule and Survey route w/ staffs of Taiz 14:00 Inspection of WB schools 16:00 Collection of related Data (stayed at Taiz)				
8	12	Fri	Data analysis and preparation for Survey (stayed at Sana'a)			Data analysis and preparation for Survey (stayed at Taiz)				
9	13	Sat Sun	10:00 Sign on M/D at MOPD 11:00 Delivery of Cost Investigation Sheets at MOE (5 contractors) 12:00 WB BEEP, discussions 14:00 Luncheon (JICA team) 16:00 Survey of Agents and markets (stayed at Sana'a)			USUDA / KONO	< B TEAM > MORIYA, SUZUKI, HYODO			
						Joint survey with B Team	08:00 dept from Hotel 09:00 TZ-15 Al Kifah Girls School 12:00 TZ-09 Othman Bin Afa'an School 16:00 Team Meeting, data input (stayed at Taiz)			
10	14	Mon	09:00 discussion w/ KfW project coordinator 11:00 MOE Training Div. discussions 12:00 Survey of Agents and Markets 16:00 Report to Embassy of Japan (stayed at Sana'a)			Joint survey with B Team	08:00 dept from Hotel 09:00 TZ-03 Tareq Ibn Ziyad Al Buraihi School 12:00 TZ-06 Khaled Ibn Al Waleed School 14:00 TZ-19 An Nour Alajoud Girls School 18:00 Team Meeting, data input (stayed at Taiz)			
11	15	Tue	Ana'a(08:00) Dubai by EK962, Dubai HK Narita by JL732 (arr, April 16)	08:00 Collect translated data 09:00 move to Taiz 15:00 Data collection at Taiz 16:00 Team Meeting (stayed at Taiz)			Joint survey with B Team	08:00 dept from Hotel 09:00 TZ-05 Alnahada Badeyah Schoo, Parents Meeting 13:00 TZ-13 Mauad Bin Jabal School 16:00 Team Meeting, data input (stayed at Taiz)		
12	16	Wed	< A TEAM > NISHIMURA, USUDA, KONO			< B TEAM > MORIYA, SUZUKI, HYODO				
			08:00 dept from Hotel 09:00 TZ-01 Al Ihsan School (WID Meeting) 13:00 TZ-17 Al Fath Al Uzlal School 18:00 Team Meeting, data input (stayed at Taiz)			08:00 dept from Hotel 発 09:00 TZ-02 Ad-Demnah School, Parents Meeting 13:00 TZ-07 Al Ma'asarah Al Aghaber School 18:00 Team Meeting, data input (stayed at Taiz)				
13	17	Fri	08:00 dept from Hotel 09:00 TZ-11 Khaled Ibn Al Walid School 12:00 TZ-14 Al Wahdah School 14:00 TZ-20 Ahmed Bin Alwan School 19:00 Team Meeting, data input (stayed at Taiz)			08:00 dept from Hotel 09:00 TZ-18 Amma Bin Yaser School, Parents Meeting 12:00 TZ-10 Juba (Jeba) Girls School 19:00 Team Meeting, data input (stayed at Taiz)				
14	18	Sat	08:00 dept from Hotel 09:00 TZ-04 Oquba Ben Nafa'a School (WID Meeting) 14:00 TZ-08 Al Wafa Maylat School 18:00 Team Meeting, data input (stayed at Taiz)			08:00 dept from Hotel 09:00 TZ-12 Khaled Ibn Al Walid School (Parents Meeting) 14:00 TZ-16 Al Fawz School 18:00 Team Meeting, data input (stayed at Taiz)				
15	19	Fri	09:00 visit to related facilities, Taiz TB Control Center (Nishimura, Usuda, Suzuki and Hyodo) Data analysis and input (Moriya, Kono) 18:00 Team Meeting, data input (stayed at Taiz)							

Date			Activities Consultants		
			< A TEAM > NISHIMURA, USUDA,KONO		< B TEAM > MORIYA, SUZUKI, HYODO
16	20	Sat	07:00 move to IBB 09:00 GEO lbb, schedule and route, cost investigation 10:00 visit KfW, GTZ local office (Hyodo, Moriya, Kono) 18:00 Team Meeting, data input (Stayed at lbb)		
17	21	Sun	08:00 dept from Hotel 09:00 IB-14 Iryan School for Girls 15:00 IB-05 26 Sept. School (WID Meeting) 19:00 Team Meeting, data input (stayed at lbb)	08:00 dept from Hotel 09:00 IB-06 Al-Diya School, Parents Meeting 12:00 IB-18 Al Aeman School 19:00 Team Meeting, data input (stayed at Taiz)	
18	22	Mon	08:00 dept from Hotel 09:00 IB-19 Al Ra'eeyah School 12:00 IB-20 Sabaa Ad Dafdiq School 14:00 IB-17 Mugam'ah Al Wahdah School 19:00 Team Meeting, data input (stayed at Taiz)	08:00 dept from Hotel 09:00 IB-10 Usama Bin Zaid School, Parents Meeting 12:00 IB-13 Juba (Jeba) Girls School 19:00 Team Meeting, data input (stayed at Taiz)	
19	23	Tue	08:00 dept from Hotel 09:00 IB-07 Ad Daqiqah School 14:00 IB-04 Al Badra Alnour School 19:00 Team Meeting, data input (stayed at Taiz)	08:00 dept from Hotel 09:00 IB-08 Al Ikhlass School, Parents Meeting 12:00 IB-02 Al-Najd Al-Ahmar School 19:00 Team Meeting, data input (stayed at Taiz)	
20	24	Wed	NISHIMURA, USUDA, SUZUKI		MORIYA, HYODO
			08:00 dept from Hotel 09:00 IB-15 Al Jeel Al Jadeed School 14:00 IB-01 Hard Najd Al Sadm School 17:00 IB-09 Al Qaryaat School 19:00 Team Meeting, data input (stayed at Taiz)		08:00 dept from Hotel 09:30 visit SFD local office 11:00 GEO Taiz collection of Cost Investigation Sheets 19:00 Team Meeting (stayed at Taiz)
21	25	Thu	NISHIMURA, USUDA, SUZUKI		KONO
			08:00 dept from Hotel 09:00 IB-16 Al Imam School (WID Meeting) 12:00 IB-11 Salah Uddin School 19:00 Team Meeting, data input (stayed at Taiz)		08:00 dept from Hotel 09:00 IB-12 Al Fateh School (Parents Meeting) 12:00 IB-03 Omar Bin Al Khatab School 19:00 Team Meeting, data input (stayed at Taiz)
22	26	Fri	09:00 dept from Hotel, move to Sana'a 13:00 Data processing 17:00 Team Meeting (stayed at San'a)		
23	27	Sat	NISHIMURA		USUDA, SUZUKI, HYODO
			09:00 MOE, discussion and schedule adjustment 10:00 data collection at WB 11:00 visit Girls School 16:00 visit Agents and Markets 20:00 Team Meeting		09:00 MOE, schedule adjustment 10:00 visit GTZ Office 10:30 Data collection at MOE statistics dept. 11:00 visit ERDC (Kono) 13:20 data collection at UNDP
24		Sun	MORIYA, KONO		
			09:00 MOE discussions 10:30 MOPD data collection (Moriya) 11:00 visit SFD (Moriya) 11:00 Sana'a University Dean of Education discussion (Kono) 19:00 Team Meeting		09:00 Data input and analysis 13:00 Survey at markets 16:00 Collection of Cost Sheets (Hyodo) 19:00 Team Meeting
25	29	Mon	USUDA, SUZUKI, HYODO		
			09:00 MOE discussions 10:00 MOE School Mapping dept. data collections 11:00 MOPD CSO, statistical data collections 16:00 Translation and report writing 18:00 Team Meeting		Sana'a (08:00) Dubai (12:00) by EK962 Dubai (21:15)
26	30	Tue	MORIYA, KONO		
			09:00 MOE final discussion and signing of Technical Notes 10:00 report to MOPD 14:00 Data analysis 18:30 Team Meeting		Hong Kong (12:05) by CX730, Hong Kong (15:05) Narita (20:20) by CX500
27	1/ May	Wed (Holiday)	NISHIMURA		
28	2	Thu	MORIYA, KONO		
			08:30 visit Agents and Markets 16:00 report to Embassy		
29	3	Fri	USUDA, SUZUKI, HYODO		
			09:00 visit Girls School 13:00 Report writing		
30	4	Sat	MORIYA, KONO		
			Sana'a (08:30) Dubai (12:30) by IY821		
30	4	Sat	USUDA, SUZUKI, HYODO		
			Dubai (00:10) Hong Kong (12:00) by CX732 Hong Kong (15:05) Narita (20:20) by CX500		

BEEP: Basic Education Expansion Project / WB
SFD: Social Fund for Development /WB

KfW: German Government Agency for Aid Assistance
ERDC: Education Research and Development Center / MOE

Survey Schedule: Draft Explanation

(August 2 to August 13, 2002, 13 days)

Date			Activities Official	Activities Consultants	
			Leader	Chief Consultant/ Building Design	Implementation, Procurement and Cost Estimation
			Hiroataka NAKAMURA	Tetsuro NISHIMURA	Kaname HYODO
1	02 /Aug	Fri	· Narita(11:00) Hong Kong(14:45) by CX501 · Hong Kong(16:30) Dubai(23:30) by CX733 · Dubai(02:30) Sana'a (04:30) by EK961		
2	03	Sat	09:30 Embassy of Japan, courtesy call 11:00 MOPD Deputy Minister Mr.Hisham Sharaff, courtesy call 12:00 MOE Vice-Minister Dr. Abdul-Aziz Habtoor, courtesy call		
3	04	Sun	08:30 MOE Deputy Secretary w/ staffs from Ibb/Taiz, explanation of Draft Report 16:00 Survey of Agents and Materials	08:30 MOE 10:30 Survey of Agents and Materials costs 16:00 Survey of Local Contractors	
4	05	Mon	09:00 MOE w/ staffs from Ibb/Taiz, explanation of Report and discussions 16:00 Survey of Local Consultant and Furniture cost	08:30 Survey of Materials costs 16:00 Survey of Local Consultant & Furniture cost	
5	06	Tue	08:30 MOE Deputy Secretary w/ staff from Ibb/Taiz, discussion of Minutes 14:00 Report writing 19:00 Discussion w/ Embassy staff	08:30 Survey of Materials costs 16:00 Survey of Local Consultant 19:00 Discussion w/ Embassy staff	
6	07	Wed	08:30 MOE w/ staff from Ibb/Taiz, discussion of Minutes 12:00 Signing of Minutes of Discussion, MOPD 16:00 Report to Embassy		
			Sana'a(19:00) Dubai Bangkok	17:00 Survey of Local Materials	
7	08	Thu	Narita	09:00 Site Inspection	
8	09	Fri	Report writing		
9	10	Sat	09:00		
10	11	Sun	09:00 GTZ 10:00 KfW		
11	12	Mon	Sana'a (08:30) Dubai (12:30) by IY821		
12	13	Tue	Dubai (00:10) Hong Kong (12:00) by CX732 Hong Kong (15:05) Narita (20:20) by CX500		

APPENDIX-3 List of Persons Concerned

List of Persons Concerned in Yemen

- 1 . Ministry of Planning & Development : MOPD
 - Mr. Hisham Sharaf Abdallah
 - Mr. Omar A. Abdulghani

 - Mr.Fadhil Abbas M. Al-Wazir

 - DR. Yahya Almutawakel
 - Mr. Ahmed N. M. Al-Baarakani

 - Mr. Yahya Al-Marani
2. Ministry of Education : MOE
 - Dr. Fadhil Abu-Ghanem
 - Dr. Abdul-Aziz S. Bin Habtoor
 - Dr. Abdulkarierm Al-Jendari
 - Dr. Mohamed Hussain Saad
 - Mr. Mohammed Hassan Alsharafi
 - Mr. Abdull M. Aateq
 - Mr. Abdulrahman Algamewi
 - Mr. Abdullah Al-Arousi
 - Mr. Amin Al-Ghedaifi
 - Mr. Najib ahmad El-Absi
 - Mr.Gamil Ali Al-Khalidi
 - Mr. Hamound Nagi
 - Mr. Salah Suffan Al-Gobani
 - Mr. Saleh Mohamed Afif
 - Mr. Mohamed Abdo Shinah
- 3 . Taiz Governorate Education Office
 - Mr. Hussain Ali Hazib
 - Mr. Abdu Al-qui Sufean
 - Mr. Sadiq Mohammed Ali
 - Mr. Sultan Abdu Al-Glel
 - Mr. Abdu Al Karim Mohamoud
 - Mr. Ali Kaid Al-Wafi
4. Ibb Governorate Office
 - Mr. Ali Ali-Algasi
- 5.Ibb Governorate Education Office
 - Mr. Mohammad Abdalla Alfadli
 - Mr. Nagi Algithy
 - Mr. Abdalwahab Al-Ghashm
 - Mr. Thabit Ala'mmari
 - Mr. Abdullah Kawi Al Soufiani
 - Mr. Ahmed Almofty
 - Mr. Hamoad Al-Sofi
 - Mr. Adel Abdul Slam
 - Mr. Mohammad Al-Sharabi
 - Mr. Ibrahim Awar
 - Ms. Hayat Al-Kainai
 - Mr. Amin Albadani
6. World Bank, Basic Education Expansion Project, Credit Administration Unit
 - Dr. Abdullatif Almanefi
 - Dr. Ahmed A. Al-Arashi
 - Mr. Abubaker Saleh Juhaish

Deputy Minister, International Cooperation
Director General, Bilateral Cooperation with the States of Asia & Australia
Director, Bilateral Cooperation with the States of Asia & Australia and The National Coordinator for WFP Project
Advisor
Director, Vital Variables Research Dept.
Population Research and Studies Center, CSO
Engineer, Population Research and Studies Center, CSO

Minister for Education
Vice-Minister for Education
Deputy Minister, Project and Equipment
Director General, Projects Planning
Director General, Design and Implementation
Deputy D.G., Design and Implementation
Director General, School Map
Engineer, School Map
Director General, General Education
Director General, Financial Affairs
Chairman, Technical Office
Director General, Planning and Statistics
Director, Statistics
General Director, Training and Qualification
Director, Qualification

Director General, Education Office of Taiz
Deputy Director/Engineer, Projects and Planning
Director, School Mapping
Director, Planning of Education
Deputy Director, Planning of Education
Member of Parliament

Governor of Ibb

Director General, Education Office of Ibb
Director, Education Office of Ibb
Director General, Projects Planning
Director/Engineer, Projects Planning
Deputy Director, Projects Planning
Director/Engineer, School Map
Engineer, Quality Control
Site Engineer
Legal Affairs
Accountant
English Inspector
Coordinator, Information

Director
Monitoring & Evaluation
Procurement Officer

7. KfW

Mr. Abubaker Bin Shuaib
Mr. Adrian Neven Du Mont

KfW Project Coordinator, Sana'a
Project Team Leader, KfW/Dorsh Consultant, Ibb

8. GTZ

- (1) Project Office in Sana'a
Mr. Ahmad Hamud Al-Haj
Ms. Dagma Awad
- (2) Ibb Project Office (Ibb Governorate Education Office)
Mr. Abdel Salam Humeid
Mr. Abudul Moula Mohey Al-Deiu
Mr. Al-Ezy Al-Goyafi
Ms. Fatema Ghadish
Ms. Neda Hussain

Director General, Project of Activities
Health, Environment Education

Project Coordinator
Project Assistant
Social Worker / GEO Ibb
Temporary Worker
Technical Advisor, DED, Ibb

9. University of Sanaa

Dr.Amin Aklan

Assistant Prof., Structure Engineering
Faculty of Engineering

10. Social Fund for Development : SFD

Mr. Abdullah A. Dailami
Mr. Abdo M. N. Al-Qubati
Mr. Khaled S. Faraa

Head, Infrastructure Unit
Statistics Officer
Taiz-Ibb Branch Manager, IBB

11. Schools in Taiz

- TZ-01 Al Ihsan School - Damnah Khaeer Demnah Khadeer
Mr. Abdlelah Abdul Waly Mahuod Headmaster
Mr. Ahamad Derhem Fave Leader, Parent's Council
Mr. Abdurkip Mahoud Abdullah Member of Parent's Council
- TZ-02 A School for Girls in Ad-Demnah Al Badw Demnah Khadeer
Mr. Mohammed Hezam Teacher
- TZ-03 Tareq Ibn Ziyad Al Buraihi School At Taiziyah
Mr. Abdu Al-Gari Abdu Al-Slam Headmaster
Mr. Fuad Abdu Al-Wahab Deputy Headmaster
Mr. Gmal Abdu Allah Arabic Teacher
Mr. Mohammed Abdu Said English Teacher
Mr. Adil Ali Ahmed Al Miklafi Biology Teacher
Mr. Adnan Said Nuaman Mathematics Teacher
- TZ-04 Ouqba Ben Nafa'a school for girls Saber
Mr. Abdulla Mohamad Yahyah Teacher
Mr. Abas Abdoulla Mohamad Sayag Sheik
- TZ-05 Alnahada Badeyah School Maweyah
Mr. Abdul Mohammad Abdu Headmaster
Mr. Mohammad Saleh Nagi Teacher
Mr. Mansour Mohammad Ibeid Teacher
- TZ-06 Khaled Ibn Al Waleed School Al Ag' ooAt Taiziyah
Mr. Fasel saad Headmaster
Mr. Abdlla Mohamad Teacher
Mr. Sadek Ahmad Ali Teacher
- TZ-07 Al Ma'asarah Al Aghaber School Haifan
Deleted
- TZ-08 Al Wafa Maylat School Jabal Habashi
Mr. Ahmed Abdo Al-Warth Headmaster
Mr. Abdo Al-Hakim Amin Deputy Headmaster
Mr. Samir Mohameed Ali Secretary
Mr. Ali Kaid Al Wafi Member of Parliament
- TZ-09 Othman Bin Afa'an School Jabal Habashi
Mr. Hayash Abdall Hizam Headmaster
Mr. Foaz Abdu Abas Deputy Headmaster
Mr. Abdu Alhakeam Teacher
- TZ-10 Juba (Jeba) Girls School Al Misrakh
Mr. Ahmed Abdulrahman Headmaster

TZ-11 Khaled Ibn Al Walid-Al Afairah Hafan Al Maafer - Jabal Hebshi
 Mr. Mohamed Galeb Ahmed Saeed Headmaster
 Mr. Mahmoud Sife Moqbel Ahmed Deputy headmaster
 Mr. Esam Abdo Al-Kalik Teacher
 Mr. Mohamed Nagi Ali Teacher
 Mr. Alwan Kassem Hassan Leader, Parent's Council

TZ-12 Khaled Ibn Al Walid-Al Dabab Sabr Al-Mawadem
 Mr. Abdul Mageed Headmaster

TZ-13 Muad Bin Jabal- Al Gherrama Jabal Habishi
 Mr. Abdallah Ahmed Al-tammam Headmaster
 Mr. Hamoud Mohammed Nagi Secretary

TZ-14 Al Wahdah - Nawayha Al Maafer - Jabal Hebshi
 Mr. Ahmad Mohamad Ahmad Teacher
 Mr. Alaziy Mohamad Salam Teacher
 Mr. Khaled Abdo Saeed Teacher

TZ-15 Al Kifah Girls School - Al Ramadah At Taiziyah
 Mr. Abdo Mhyob Hssray Headmaster
 Mr. Mhamed Salh Mhyob Deputy Headmaster
 Mr. Amir Abdulmajeed Secretary
 Mr. Abdul Hakim English Teacher
 Mr. Mohamed Ahmad Head, Parent's Society
 Mr. Ali Kayed Ahmad Member of Per lament

TZ-16 Al Fawz School Saalah

TZ-17 Al Fath Al Uzlah School Saber
 Mr. Sadek Ahmed Abdalla Headmaster
 Mr. Saeed Kaed Mohameed Leader, Parent's Council
 Mr. Abdo Al-Gani Mohamed Member, Parent's Council
 Mr. Nabeel Abdo Esmad Member, Parent's Council

TZ-18 Ammar Bin Yaser Sabr Al-Mawadem
 Mr. Abdullah Ali Deputy Headmaster

TZ-19 An Nnour Alajoud girls school At Taiziyah
 Mr. Mohammad Al-Ezimoh'md Headmaster
 Mr. Abdul Qawz Hamoud Teacher
 Mr. Najeeb Abdul Hameed Teacher
 Mr. Abdul-qareem Mahyoub Teacher

TZ-20 Ahmed Bin Alwan Jabal Habishi
 Mr. Nagib Mahyob said Nagi Headmaster
 Mr. Mohammad Abdulla Alwaheish Teacher
 Mr. Abdullah Abdulkwee Teacher
 Mr. Sabah Abdullah Alwaheish Teacher

12. Schools in Ibb

IB-01 Hard Najd Al Sadm School - Al Sadm Ibb
 Mr. Amain Mansuar Headmaster
 Mr. Abdo Algabar Qusam Teacher
 Mr. Adel Ahmad Ali Teacher

IB-02 Al-Najd Al-Ahmar Al Radhama
 Mr. Tahir Sa'ad Mohammed Ali Headmaster
 Mr. Ahmed Nasir Abdu Talib Division Headmaster
 Mr. Hefthallah Thabit Al-Qohfa Local Council

IB-03 Al Fatesh School - Souk Al Khamis Ba' adan

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IB-04 Al Badra Fara Al Oudain Al-Kiedat
 Mr. Abdu Numan Asad Headmaster
 Mr. Adil Mohammed Abdu Member, Parent's Council

IB-05 26 September School Yarim
 Mr. Said Ali Mohammed Al Bihasi Headmaster
 Mr. Fath Abdu Mohammed Wasil Deputy Headmaster
 Mr. Fatah Abdo Mohamad Wasal Teacher

IB-06 Al-Diya School - Bait Yahya Aubadi As Sud'ah
 Mr. Mahdi Amin Mohammad Ohadi Headmaster
 Mr. Noman Hamoud Aubad Sheikh

IB-07 Ad Daqiqah School Bilad Shar Ibb

Mr. Abdu Ahmed Authman Alsban	Headmaster
Mr. Nagi Saleh Ahmed Ali	Deputy Headmaster
IB-08 Al Ikhlass School - Sahaban Al Mukhadir	
Mr. Rehab Madinat Al-Sharq	Headmaster
Mr. Ahmad Mansour Abdulwahab	Inspector
IB-09 Al Qaryaat School - City of Ibb Ibb	
Mr. Kaled Ali Asaker	Headmaster
Mr. Esmail Saleh	Secretary
Mr. Sadaq Ali Asaker	Teacher
Mr. Ismael saleh Ali	Teacher
IB-10 Al Usama Bin Zaid School Al Mukhadir	
Mr . Yahya Mohammad Ghalib	Headmaster
Mr . Amin Ahmed Al-Sharaby	Headmaster
IB-11 Salah-Uddin School - Ath Thawabi Jiblah	
...	
IB-12 Omar Bin Al Khatab Ad Douhaifi Ashear	
Mr. Fadl Ahmed Al-Zandani	Headmaster
IB-13 Wadi Bana School Al Nadirah	

IB-14 Iryan School for Girls Al Qafr	
Mr.Ahmed Ali Esmail Al-Irani	Headmaster
Mr. Sultan Abdullh Ahmad	Teacher
Mr. Jamal Al Zumani	Teacher
Mr. Hamud Mohammed Al-Irani	Manager of Education Center
Mr. Mutahr Abdu Al Rahman al-Irani	Member of Parliament
IB-15 Al Jeel Al Jadeed School Fadhani Hubaish	
Mr. Ahmad Hasan Ishaq	Headmaster
Mr.Hamoad Ahmad Abdulla	Member, Parent's Council
Mr. Hamuad Abdo Alwahead	Sheik
IB-16 Al Imam Al Shokhany School As Saiyani	
Mr. Adel Ahmed Abdu Allah Shamlan	Headmaster
Mr. Anesa Mahamed Ali Shamlan	Headmistress
Mr.Hadea Abdullah Hassan	Member, Parent's Council
IB-17 Mugam' ah Al Wehdah School - As Subrah	As Subrah
Mr. Abdu Allah Mansoor Muhsen Al Shuaibi	Headmaster
Mr. Mohammed Kaid Ahmed Al Audi	Deputy Headmaster
Mr. Anes Abdu Al Rahaman Yahya Al Mslmani	English Teacher
Mr. Ahmad Najea Salah Alshwabai	Teacher
Mr. Gmal Mohammed Yahya Mohsen Al Shuaibi	Parent's Council
IB-18 Al Aeman School - Thafar Ash Sud' ah	
Mr. Nagysalah Saad Alrady	Headmaster
IB-19 Al Ra' eeyah School - City of Ibb Ibb	
Mr. Abdu Al Rahman Derhm Al Shuga	Headmaster
Mr. Radwan Ahmed Ali Al Aydros	Teacher
Mr. Shauki Hassan Ahmed Al Nagar	Teacher
Mr. Abdulla Mohamad	Gate-man
IB-20 Sabaa School - Ad Dafdiq - Ibb Ibb	
Mr. Abdu Ali Mohammed Slam	Headmaster
Mr. Ahmed Khalid Ali	Leader, Parent's Council
Mr. Mohammed Khalid Ali	Parent's Council

APPENDIX-4.1 Minutes of Discussions (Basic Design Study)

Minutes of Discussions
on
the Basic Design Study on the Project for Construction of Basic Schools
in
the Republic of Yemen

In response to a request from the Government of the Republic of Yemen (hereinafter referred to as "the GOY"), the Government of Japan has decided to conduct a Basic Design Study on the Project for Construction of Basic Schools (hereinafter referred to as "the Project"), and entrusted the study to Japan International Cooperation Agency (JICA).

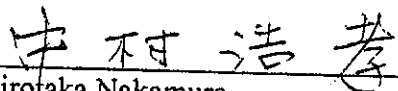
JICA sent to Yemen the Basic Design Study Team (hereinafter referred to as "the Team") headed by Mr. Hirotaka Nakamura, First Project Management Division, Grant Aid Management Department, JICA, with a field survey period between 6th April and 15th April, 2002.

The Team held a series of discussions on the Project with the officials concerned with the Ministry of Education in the Republic of Yemen.


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.

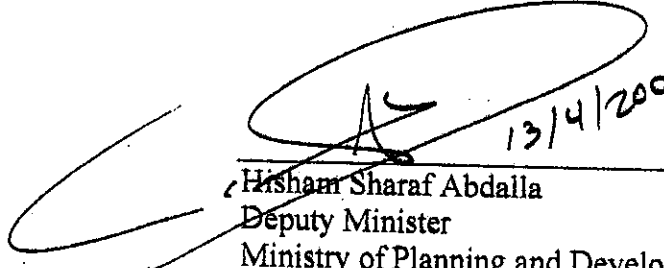
SANA'A, 13th April, 2002



Hirotaka Nakamura
Leader
Basic Design Study Team
Japan International Cooperation Agency



Abdulkarim M. AL-Jendari
Deputy Minister
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The Republic of Yemen
13/4/2002

ATTACHMENT

1. Objective of the Project

The objective of the Project is to improve the physical educational environment through construction of school buildings and providing necessary equipment in Ibb and Taiz Governorates.

2. Project Sites

The Project sites are located in Ibb and Taiz Governorates.

3. Responsible and Implementing Agencies

The responsible agency is the Project and Equipment Sector, Ministry of Education(MOE).

The implementing agencies are Governorate Education Offices in Ibb and Taiz, respectively.

The organization chart is shown in Annex-1.

4. Items requested by the GOY

After a series of discussions, the Yemeni side requested the items attached as Annex-2 & 3.

The final components of the Project will be decided by the Japanese side after further studies and analysis, and JICA will recommend to the Government of Japan for approval.

5. Japan's Grant Aid Program

5-1. The Yemeni side understood the Japan's Grant Aid Program explained by the Team, as described in Annex-4 & 5.

5-2. The Yemeni side shall take the necessary measures, described in Annex-6, for the smooth implementation of the Project, on condition that the Japan's grant aid is extended to the Project.

6. Schedule of the Study

6-1. A consultant team will proceed to do further studies in the republic of Yemen until 3rd May, 2002.

6-2. JICA will prepare a draft report in English and dispatch a mission in order to explain its contents around July, 2002.

6-3. In the event of the draft report being acceptable in principle by the GOY, JICA will complete the final report and forward it to the GOY by the end of August, 2002.

7. Other Relevant Issues

7-1. Security measures

The Japanese side requested the Yemeni side to assign the officials concerned in the Project during field survey for security reason. The Yemeni side decided to take action in.



7-2. Criteria for schools to be finally selected

The Japanese side explained that schools surveyed by the Japanese side should be examined in accordance with the criteria attached as Annex-7 in order to assess the appropriateness of schools to be finally selected for the Project.

As the majority of schools are scattered in mountainous area, the Japanese side, therefore, explained that the following criteria were essential for the smooth implementation of the Project. Now, the Yemeni side agreed on it.

- (1) Accessibility to the school site
- (2) Topography of the school site including its space

7-3. Number of schools, school facilities and equipment

The Japanese side explained that the total number of requested items such as schools, school facilities and equipment for the implementation of the Project might not be fully covered by the Project.

The Yemeni side agreed on it.

7-4. Design criteria for school facilities

Both parties confirmed that school facilities should satisfy functions according to the present education environment.

However, the Yemeni side strongly requested the Japanese side to consider basic laboratory with equipment.

Therefore, the Japanese side explained again that the appropriateness of it should be examined by the Japanese side according to the present situation of each school.

7-5. Equipment

Both parties confirmed that all equipment should satisfy minimal requirements based on the curriculum and standard for basic education in the Republic of Yemen.

7-6. Proper operation and maintenance

The regional (Ibb and Taiz) governorates and communities shall be responsible for proper operation and maintenance of school facilities.

7-7. Allocation of teaching and administration staff

The regional (Ibb and Taiz) governorates shall allocate enough teaching and administration staff to functionally operate schools under the supervision of MOE.

In addition to the mentioned above, both parties confirmed that the Yemeni side should allocate enough female teachers for girls' schools/classes.

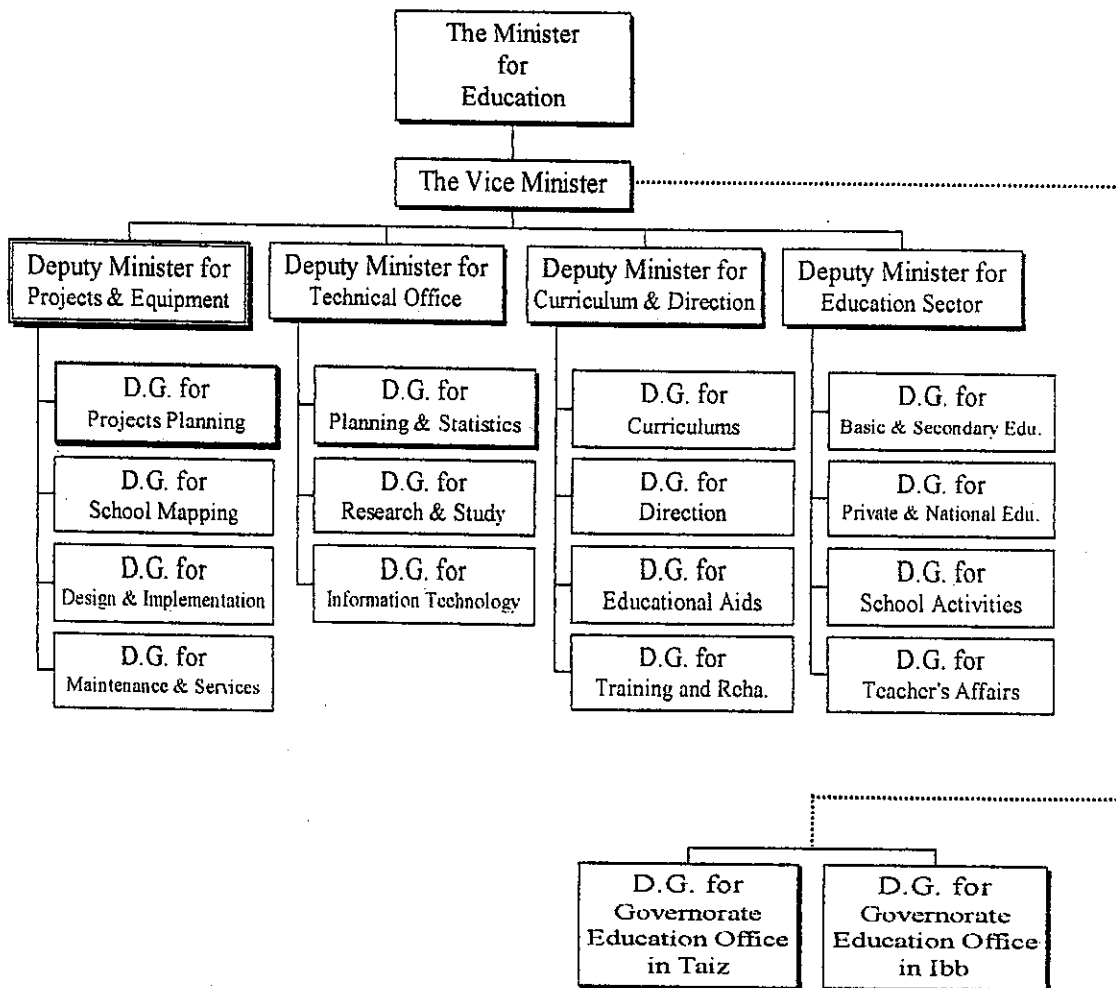
7-8. Land acquisition

The Yemeni side shall prepare a legal security document on each site in order to use its land for construction.

All documents shall be submitted to the Team by 3rd May, 2002.

End

Annex-1 Organization Chart



* D.G. : Director General

Annex-2 Schools to be Surveyed for the Project

Ibb Governorate

No.	Name of School	Directorate
1	Hard Najd Al Sadm School - Al Sadm	Ibb
2	Al-Najd Al-Ahmar	Al Radhama
3	Al Fatesh School - Souk Al Khamis	Ba'adan
4	Al Badra School	Fara Al Oudain
5	26th September School	Yarim
6	Al-Diya School - Bait Yahya Aubadi	As Sud'ah
7	Ad Daqiqah School Bilad Shar	Ibb
8	Al Ikhlass School - Sahaban	Al Mukhadir
9	Al Qaryaat School - City of Ibb	Ibb
10	Al Usama Bin Zaid School	Al Mukhadir
11	Salah-Uddin School - Ath Thawabi	Jiblah
12	Omar Bin Al Khatab Ad Douhaifi	Ashear
13	Wadi Bana School	Al Nadirah
14	Iryan School for Girls	Al Qafir
15	Al Jeel Al Jadeed School - Fadhai	Hubaish
16	Al Imam Al Shokhany School	As Saiyani
17	Mugam'ah Al Wehdah School - As Subrah	As Subrah
18	Al Aeman School - Thafar	Ash Sud'ah
19	Al Ra'eeyah School - City of Ibb	Ibb
20	Sabaa School - Ad Dafdiq - Ibb	Ibb

Taiz Governorate

No.	Name of School	Directorate
1	Al Ihsan School - Damnah Khaeer	Demnah Khadeer
2	A School for Girls in Ad-Demnah Al Badw	Demnah Khadeer
3	Tareq Ibn Ziyad Al Buraihi School	At Taiziyah
4	Ouqba Ben Nafa'a Girls School	Sabr
5	Alnahada Babeyah School	Maweyah
6	Khaled Ibn Al Waleed School Al Ag'ood	At Taiziyah
7	Al Ma'asarah Al Aghaber School	Haifan
8	Al Wafa Maylat School	Jabal Habashi
9	Othman Bin Afa'an School	Jabal Habashi
10	Juba (Jeba) Girls School	Al Misrakh
11	Khaled Ibn Al Walid - Al Afa'rah Hafan	Al Maafer - Jabal Habashi
12	Khaled Ibn Al Walid - Al Dabab	Sabr Al-Mawadem
13	Muad Bin Jabal - Al Gherrama	Jabal Habashi
14	Al Wahdah - Nawayha	Al Maafer - Jabal Habashi
15	Al Kifah Girls School - Al Ramadah	At Taiziyah
16	Al Fawz School	Saalah
17	Al Fath Al Uzlah School	Sabr
18	Ammar Bin Yaser	Sabr Al-Mawadem
19	An Nour Alajoud Girl's School	At Taiziyah
20	Ahmed Bin Alwan	Jabal Habashi

* The Numbers indicate priority to be implemented by the Project

Annex-3 Facilities and Equipment Requested by the Yemeni side

1. Facilities

Classrooms
Headmaster room
Administration room
Store room
Toilets
Basic laboratory

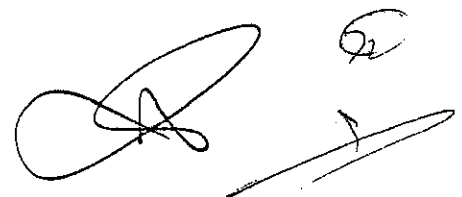
2. Equipment

Furniture:

Desks (for students and teachers)
Chairs (for students and teachers)
Cabinets
Blackboard

Teaching Materials:

Geographical map of Yemen
Political map of Yemen
Chart of arabic numbers
Chart of arabic letters
Charts showing basic words
Balance scales & set of weights
Plastic measures to teach volume, etc.
Set squares, wooden, 45 & 60 degree.
Protractors for chalk
Globe of world - Political
Globe of world - Geographical
Yemeni musical instruments
Magnetic wallboard
Magnetic shapes
Basic wind-speed kit
Magnifying glass
Sets of arabic letters on plastic
Sets of arabic numbers on plastic
Basic laboratory equipment



Annex-4 Japan's Grant Aid Program

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. Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedures

- (1) Japan's Grant Aid Scheme is executed through the following procedures.
- Application (Request made by a recipient country)
 - Study (Basic Design Study conducted by JICA)
 - Appraisal & Approval (Appraisal by the Government of Japan and Approval by Cabinet)
 - Determination of Implementation (The Notes exchanged between the Governments of Japan and the recipient country)
- (2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (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. If necessary, JICA send a Preliminary Study Team to the recipient country to confirm the contents of the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Programme, 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 (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter 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:

- a) 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;
- b) evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from the technical, social and economic points of view;
- c) confirmation of items agreed on by both parties concerning the basic concept of the Project;
- d) preparation of a basic design of the Project; and
- e) estimation of costs of the Project.

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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 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 the smooth implementation of the Study, JICA uses a consulting firm selected through its own procedure (competitive proposal). The selected firm participates the Study and prepares a report based upon the terms of reference set by JICA.

At the beginning of implementation after the Exchange of Notes, for the services of the Detailed Design and Construction Supervision of the Project, JICA recommends the same consulting firm which participated in the Study to the recipient country, in order to maintain the technical consistency between the Basic Design and Detailed Design.

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" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors 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, 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 the 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 to 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 a lot of land necessary for the construction of the Project and to clear the site;
- b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities outside the site;
- c) to ensure prompt unloading and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid;
- d) to exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts;
- e) 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;
- f) to ensure that the facilities constructed and products purchased under the Grant Aid be maintained and used properly and effectively for the Project; and
- g) to bear all the expenses, other than those covered by the Grant Aid, necessary for the Project.

(6) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them 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 shall not be re-exported from the recipient country.

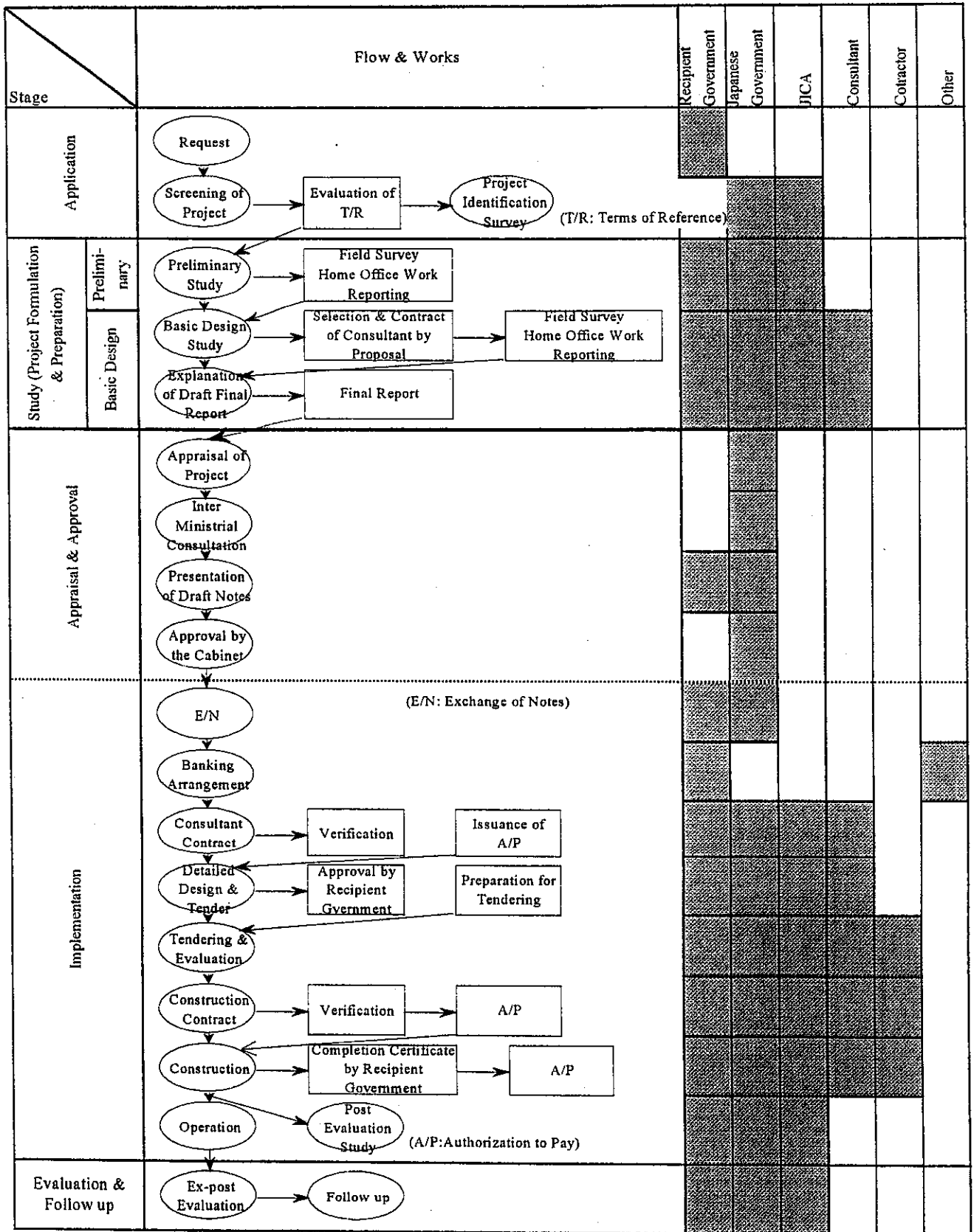
(8) Banking Arrangement (B/A)

- 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 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.

Annex-5 Flow Chart of Japan's Grant Aid Scheme



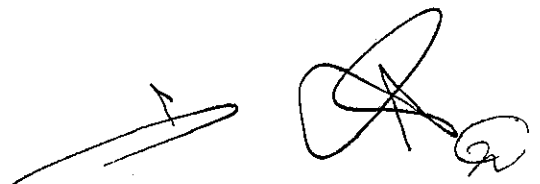
Annex-6 Necessary Measures to be taken by each government

No	Items	To be covered by the Japanese side	To be covered by the Yemenite
1	To secure land		●
2	To clear, level and reclaim the site when needed		●
3	To construct gates and fences in and around the site		●
4	To construct the parking lot	●	
5	To construct roads		
	1) Within the site	●	
	2) Outside the site		●
6	To construct the building	●	
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/or 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 a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		●
	2) Payment commission		●
9	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	1) Marine(Air) transportation of the products from Japan to the recipient country	●	
	2) Tax exemption and customs 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 transportation and installation of the equipment		●

Annex-7 Criteria for schools to be implemented by the Project

Schools which meet the following criteria will be given priority.

1. Schools which urgently needs additional classrooms due to serious shortage of classrooms
2. Schools where present future needs for classrooms are quantitatively estimated through the data of population growth rate, enrollment ratio and do forth
3. Schools where sufficient teaching staff and budget can be allocated in order to operate and maintain facilities and equipment properly
4. Schools which have topographically appropriate and sufficient space of land for construction
5. Schools which have legal rights to use the land for construction
6. Schools which have proper access roads in order to carry construction materials and equipment
7. Schools where necessary demolition and removal of existing facilities can be completed by the Yemeni side within specified timeframe
8. Schools which can secure necessary alternative classrooms during the construction period
9. Schools where no other programs of new school/classroom construction are on-going or scheduled by other donors, NGOs and do forth
10. Schools without security problems and threat of natural calamity

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APPENDIX-4.2 Minutes of Discussions (Explanation on Draft Report)

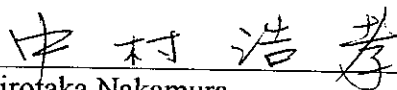
Minutes of Discussions
on
the Basic Design Study on the Project for Construction of Basic Schools
in
the Republic of Yemen
(EXPLANATION ON DRAFT REPORT)

In April 2002, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Basic Design Study Team on the Project for Construction of Basic Schools, (hereinafter referred to as "the Project") to the Republic of Yemen (hereinafter referred to as "the Yemen"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft final report of the study.

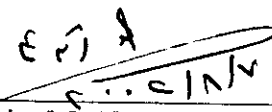
In order to explain and to consult the Yemen on the components of the draft final report, JICA sent to the Yemen the Draft Report Explanation Team (hereinafter referred to as "the Team"), which was headed by Mr. Hirotaka NAKAMURA, First Project Management Division, Grant Aid Management Department, JICA, from August 3 to August 7, 2002.

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

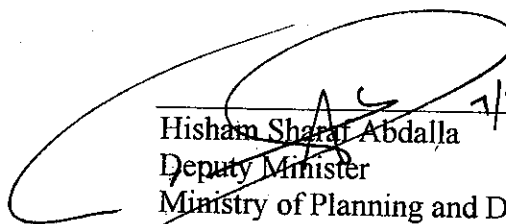
Sana'a, August 7, 2002



Hirotaka Nakamura
Leader
Basic Design Study Team
Japan International Cooperation Agency



Abdulkarim M. AL-Jendari
Deputy Minister
Ministry of Education
The Republic of Yemen



Hisham Sheraf Abdalla
Deputy Minister
Ministry of Planning and Development
The Republic of Yemen
7/8/2002

ATTACHMENT

1. Components of the Draft Final Report

The Government of Yemen agreed and accepted in principle the components of the draft final report explained by the Team. Moreover, the Yemeni side understood that the final decision in this matter would be made by the Japanese side.

2. Japan's Grant Aid Scheme

The Yemeni side understood the Japan's Grant Aid Scheme as explained by the Team and described in Annex-4 of the Minutes of Discussions signed by both parties on April 13, 2002.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Yemeni side by October, 2002.

4. Other relevant issues

4-1. Schools, Facilities and Equipment covered by the Project

Both sides agreed on schools, facilities and equipment covered by the Project as shown in Annex-1 and Annex-2.

4-2. Phasing of school construction schedule

The Japanese side explained that this Project consisted of two(2) phases, considering construction efficiency. Now, both sides confirmed the phasing of school construction schedule as shown in Annex-1.

4-3. Building Design

Both sides confirmed that all school buildings covered by the Project were designed for two-story without any staircase to the roof and lighting facilities.

4-4. Necessary measures to be taken by the Yemeni side

The Yemeni side understood to take necessary measures as shown in Annex-3 for the smooth implementation of the Project. Besides, the Yemeni side assured to execute necessary works as shown in Annex-4 and to open the budget for the next fiscal year(2003/2004).

4-5. Allocation of Personnel and Budget

The Yemeni side, especially Ibb and Taiz Governorates, assured to allocate necessary budget and personnel (teaching & administrative staff) for operating school facilities and equipment under the supervision of Ministry of Education.

4-6. Proper Use and Maintenance

Both sides understood that proper use and maintenance of the facilities and equipment would be indispensable for their lifelong use. Now, the Yemeni side assured to facilitate proper use and maintenance of the school facilities and equipment covered by the Project with the active involvement of concerned parties such as Governorate Education Offices in Ibb and Taiz, schools, and Communities and so on.

4-7. Soft Component Service

In order to facilitate proper use and maintenance of the school facilities covered by the Project, the Yemeni side requested the implementation of the soft component service which was explained and proposed by the Japanese side.

4-8. Security Situation

The Yemeni side fully understands the importance of assurance of safety for personnel concerning the Project, and that the Yemeni side must continually contact the concerned government agencies to ensure their safety during project implementation.

4-9. Contents of the Draft Final Report

Both sides confirmed that the contents of the draft final report should be confidential. In order to keep the confidentiality, both sides should not disclose the contents to the third parties and not duplicate the draft final report itself.

End

Annex-1 List of Selected Schools

TAIZ GOVERNORATE

No.	Code No.	Directorate	School Name	Phase for construction
1	TZ-01	Demnah Khadeer	Al Ihsan School	Phase-1
2	TZ-02	Demnah Khaeer	A School for Girls in Ad -Demnah Al Badw	Phase-1
3	TZ-03	At Taiziyah	Tareq Ibn Ziyad Al Buraihi School	Phase-2
4	TZ-04	Saber	Ouqba Ben Nafa'a School for Girls	Phase-1
5	TZ-05	Maweyah	Alnahada Badeyah School	Phase-2
6	TZ-06	At Taiziyah	Khaled Ibn Al Waleed School Al Ag'ood	Phase-2
7	TZ-08	Jabel Habashi	Al Wafa Maylat School for Girls	Phase-1
8	TZ-09	Jabel Habashi	Othman Bin Afa'an School	Phase-1
9	TZ-10	Al Misrakh	Juba Girls School	Phase-1
10	TZ-12	Saber Al-Mawadem	Khaled Ibn Al Walid-Al Dabab	Phase-1
11	TZ-13	Jabel Habashi	Muad Bin Jabal- Al Gherrama	Phase-2
12	TZ-14	Al Maafer - Jabel Hebshi	Al Wahdah - Nawayha	Phase-1
13	TZ-15	At Taiziyah	Al Kifah Girls School - Al Ramadah	Phase-1
14	TZ-16	Saalah	Al Fawz School	Phase-1
15	TZ-17	Saber	Al Fath Al Uzlah School	Phase-1
16	TZ-18	Al Maafer	Ammar Bin Yaser	Phase-1
17	TZ-19	At Taiziyah	An Nnour Alajoud Girls School	Phase-2
18	TZ-20	Jabel Habashi	Ahmed Bin Alwan	Phase-1

IBB GOVERNORATE

No.	Code No.	Directorate	School Name	Phase for construction
1	IB-01	Ibb	Hard Najd Al Sadm School - Al Sadm	Phase-2
2	IB-02	Al Radhama	Al-Najd Al-Ahmar	Phase-2
3	IB-03	Ba'adan	Al Fatesh School - Souk Al Khamis	Phase-2
4	IB-05	Yarim	26 September School	Phase-2
5	IB-06	AR Alamas	Al-Diya School - Bait Yahya Aubadi	Phase-2
6	IB-08	Al Mukhadir	Al Ikhlass School - Sahaban	Phase-2
7	IB-09	Ibb	Al Qaryaat School	Phase-2
8	IB-10	Al Mukhadir	Al Usama Bin Zaid School	Phase-2
9	IB-13	Al Nadirah	Wadi Bana School	Phase-2
10	IB-16	As Saiyani	Al Imam Al Shokhany School	Phase-2
11	IB-17	As Saphrah	Mugam'ah Al Wehdah School	Phase-2
12	IB-19	Ibb	Al Ra'eeyah School	Phase-2



Annex-2 List of Facilities including furniture and Teaching Materials

(1) Facilities

1) Classrooms

Each classroom is equipped with

- Desks and chairs for students,
- A desk and a chair for a homeroom teacher and
- A blackboard.

2) Administration room

Each administration room is equipped with

- A desk and a chair for a headmaster,
- Desks and chairs for teaching and administration staff,
- Cabinets and
- Notice boards.

3) Toilet with water tanks

Each toilet is separated for boys and girls.

(2) Teaching Materials

	Name of Equipment	Objective	Qty
1	Map of The World	Study of geographical world	1
2	Globe	Study of geographical world	1
3	Blackboard Drawing Set	Study of angle, figure and shape	1
4	Balance – Double Pan	Study of weight (solid)	1
5	Set of Beaker (Plastic)	Study of volume (fluid)	1
6	Thermometer – Wall type	Study of air temperature	1
7	Magnetic Compass	Study of geographical direction	1
8	Magnet Set	Study of magnetic field and force	1
9	Wall Clock Model	Study of time and timing device	1
1 0	Set of Mirror	Study of light and reflection	1
1 1	Magnifier	Study of micro objects	1
1 2	Set of Science Charts	Study of human body	1

※One lot(12 Materials) for each school

Annex-3 Necessary Measures to be taken by the Yemeni Side

- (1) Prepare sites before the commencement of construction by removing existing structures and leveling sites where necessary.
- (2) Prepare access roads before the commencement of construction where necessary.
- (3) Construct perimeter fences and gates
- (4) Where it is possible to supply water, carry out extension and connection works.
- (5) Secure the budget and teaching staff in order to functionally operate and maintain the school facilities and equipment covered by the Project.
- (6) Concerning the provision of equipment, materials and services based on the certified contracts, provide conveniences as required by Japanese nationals engaged in the Project for their entry to Yemen and stay therein.
- (7) Concerning the provision of equipment, materials and services based on the certified contracts, exempt Japanese nationals engaged in the Project from tariffs and domestic taxes including value-added tax that may otherwise be levied in Yemen.
- (8) Bear commission of authorization to pay (A/P) and payment commission to a bank of Japan for the banking services based on the banking arrangement (B/A).
- (9) Bear all the expenses that are required for the implementation of the Project but are not covered by the Japan's Grant Aid.
- (10) Taxes should be in principle exempted from equipment, materials and services provided in the Project. When this principle cannot be applied, refunding to Japanese nationals should be sought without any delay.

APPENDIX-5 Cost Estimation Borne by the Recipient Country

Annex-5 Cost Estimation Borne by the Recipient Country

1. Cost for Construction related works

In this Project, the Japanese Government shall construct new classrooms to make up the current shortages, and Yemeni Government shall arrange following works. Details are shown at 2.3 and 2.4 of this report.

Items of Expenses	Phase-I (2003)	Phase-II (2004)	Total
1. Cost for Constructions	21,410	13,500	34,910
1) Site Clearance and Reclamation	5,510	2,900	8,410
2) Demolition of Existing Shed, Electricity Lines	900	4,500	5,400
3) Repair of access Road	13,000	4,000	17,000
4) Connection of Water	2,000	2,100	4,100
2. BA and A/P arrangement	4,800	5,600	10,400
3. Building Permission (16 sites)	n.a.	n.a.	n.a.
Total	26,210	19,100	45,310

2. Repair Works for Existing School Buildings (US\$)

Concerning school buildings, existing facilities can continue to be used, and repainting is required. The cost of this shall be covered by Governorate facilities repair budgets.

	Phase-I (2003)		Phase-II (2004)		Total	
	CRs	US\$	CRs	US\$	CRs	US\$
Taiz	102	26,520	28	7,280	130	33,800
Ibb	-	-	66	17,160	66	17,160
Total	102	26,520	94	24,440	196	50,960

CRs shows Classrooms

3. Construction of Boundary Walls

When preparing school environments, it is particularly desirable at girls' schools to install boundary walls and entrance gates. When doing this, it is desirable to obtain the consent of school operating councils (parent's councils) and to secure participation by local residents. The scope of perimeter fences was calculated based on the length of fences when enclosing new and old school buildings and toilets.

	Phase-I (2004)		Phase-II (2003)		Total	
	Length	Cost	Length	Cost	Length	Cost
Taiz	1,110	66,600	402	24,120	1,512 m	90,720
Ibb	-	-	1,395	83,700	1,395 m	83,700
Total	1,110	66,600	1,797	107,820	2,907 m	174,420

4. Annual Maintenance Cost (9-classroom type, unit: YR)

The annual maintenance cost incurred in operation of the Project facilities and implementation of the daily inspections and periodic repairs is estimated as shown in the following table. This shows typical schools of 9 classrooms type.

Items		Cost(YR)	Remarks
1. Operating expenses			
Water cost	Water tariff / cost	25,000	100 YR/day, 250 days. In reality, carrying well water is expensive, but low water supply is free.
2. Repair funds (Depreciation Reserve)			
Repair costs	Re-painting	7,500	Approximately 10% of the painting work cost once every five years.
	Furniture repairs	1,200	Approximately 3% of the fitting work cost once every five years.
	Water proofing	1,400	Approximately 10% of water -proofing work cost once every 10 years
	Soak pit	15,000	Three times/year
Equipment cost	Furniture /Equipment	2,200	Approximately 3% of furniture works cost once every five years
	Sub-total	27,300	(approx. 19,000yen)
Total		52,300	(approx. 36,600yen)

5. Time Schedule for Yemeni Side Works

Regarding with budget arrangement, following table shows annual expencesw for every budgetary year.

Fiscal Year	2002	2003	2004 over
1-1. Cost for Constrictions	21,410	13,500	-
1-2. BA and A/P arrangement	4,800	5,600	-
1-3. Building Permission (16 sites)	n.a.	n.a.	-
2. Repair Works for Exisitng School	26,520	24,440	-
3. Construciton of Boundary Walls	66,600	107,820	-
4-1. Opelation Cost	-	-	4,417*
4-2. Maintenance Cost	-	-	4,824* *
Total	1,326,000	4,262,000	1,000,000

* Approximately 25,000YR/year for 9 classrooms, * * 27,300YR/year for 9 classrooms.

APPENDIX-6 Number of Existing Students and Classrooms

TZ-8	Male	110	110	60	120	110	137	60	57	30	794										
	Female	190	115	70	160	180	110	20	18	10	873										
	Total	300	225	130	280	290	247	80	75	40	1667										
	M CRs	2.8	2.8	1.5	3.0	2.8	3.4	1.5	1.4	0.8	19.9										
	1 1.7<2	2.0	2.0	1.0	3.0	2.0	3.0	1.0	1.0	1.0	16.0	16	9	9	5	12			31	57	26
	F CRs	4.8	2.9	1.8	4.0	4.5	2.8	0.5	0.5	0.3	21.8										
	1 1.7<2	5.0	3.0	2.0	4.0	4.0	3.0	1.0	1.0	1.0	24.0	24	0	0	0	24	12		43	26	-17
	T CRs	7.5	5.6	3.3	7.0	7.3	6.2	2.0	1.9	1.0	41.7										
	1 1.7<2	7.0	5.0	3.0	7.0	7.0	6.0	2.0	2.0	1.0	40.0	40	9	9	5	36			73	57	-16
TZ-9	Male	55	48	32	42	32	29	34	30	45	347										
	Female	57	36	35	50	18	21	9	10	0	236										
	Total	112	84	67	92	50	50	43	40	45	583										
	M CRs	1.4	1.2	0.8	1.1	0.8	0.7	0.9	0.8	1.1	8.7										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	9	2	0	7			17	24	7
	F CRs	1.4	0.9	0.9	1.3	0.5	0.5	0.2	0.3	0.0	5.9										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	0	0	0	9			17	7	-10
	T CRs	2.8	2.1	1.7	2.3	1.3	1.3	1.1	1.0	1.1	14.6										
	1 1.7<2	3.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	13.0	13	9	2	0	11	11		22	24	2
TZ-10	Male	96	65	69	64	65	74	72	76	74	655										
	Female	82	50	65	52	50	31	44	46	50	470										
	Total	178	115	134	116	115	105	116	122	124	1125										
	M CRs	2.4	1.6	1.7	1.6	1.6	1.9	1.8	1.9	1.9	16.4										
	1 1.7<2	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	14.0	14	12	12	0	2			27	35	8
	F CRs	2.1	1.3	1.6	1.3	1.3	0.8	1.1	1.2	1.3	11.8										
	1 1.7<2	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	0	0	0	10	10		18	8	-10
	T CRs	4.5	2.9	3.4	2.9	2.9	2.6	2.9	3.1	3.1	28.1										
	1 1.7<2	4.0	3.0	3.0	3.0	3.0	2.0	3.0	3.0	3.0	27.0	27	12	12	0	15			50	35	-15
TZ-11	Male	81	95	108	56	50	48	26	16	0	480										
	Female	58	34	32	8	4	1	0	2	0	139										
	deleted Total	139	129	140	64	54	49	26	18	0	619										
	M CRs	2.0	2.4	2.7	1.4	1.3	1.2	0.7	0.4	0.0	12.0										
	1 1.7<2	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	12	6	6	0	6			20	8	-12
	F CRs	1.5	0.9	0.8	0.2	0.1	0.0	0.0	0.1	0.0	3.5										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	12	0	0	0	12			17	8	-9
	T CRs	3.5	3.2	3.5	1.6	1.4	1.2	0.7	0.5	0.0	15.5										
	1 1.7<2	3.0	3.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	15.0	12	6	6	0	6	0		23	8	-15
TZ-12	Male	28	36	32	25	18	20	32	24	25	240										
	Female	30	30	20	25	20	20	10	10	13	178										
	Total	58	66	52	50	38	40	42	34	38	418										
	M CRs	0.7	0.9	0.8	0.6	0.5	0.5	0.8	0.6	0.6	6.0										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	12	6	3	6			17	31	14
	F CRs	0.8	0.8	0.5	0.6	0.5	0.5	0.3	0.3	0.3	4.5										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	0	0	0	9			17	14	-3
	T CRs	1.5	1.7	1.3	1.3	1.0	1.0	1.1	0.9	1.0	10.5										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	12	6	3	6	6		17	31	14
TZ-13	Male	85	67	64	73	67	55	70	60	71	612										
	Female	74	52	33	47	42	32	37	29	43	389										
	Total	159	119	97	120	109	87	107	89	114	1001										
	M CRs	2.1	1.7	1.6	1.8	1.7	1.4	1.8	1.5	1.8	15.3										
	1 1.7<2	2.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	2.0	13.0	13	21	14	0	-1			25	46	21
	F CRs	1.9	1.3	0.8	1.2	1.1	0.8	0.9	0.7	1.1	9.7										
	1 1.7<2	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	0	0	0	10			18	21	3
	T CRs	4.0	3.0	2.4	3.0	2.7	2.2	2.7	2.2	2.9	25.0										
	1 1.7<2	4.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	3.0	23.0	23	21	14	0	9	9		42	46	4
TZ-14	Male	92	53	89	68	69	54	55	57	67	604										
	Female	62	52	43	54	44	21	21	17	26	340										
	Total	154	105	132	122	113	75	76	74	93	944										
	M CRs	2.3	1.3	2.2	1.7	1.7	1.4	1.4	1.4	1.7	15.1										
	1 1.7<2	2.0	1.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	12.0	12	12	5	0	7			21	16	-5
	F CRs	1.6	1.3	1.1	1.4	1.1	0.5	0.5	0.4	0.7	8.5										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	0	0	0	9	9		17	0	-17
	T CRs	3.9	2.6	3.3	3.1	2.8	1.9	1.9	1.9	2.3	23.6										
	1 1.7<2	4.0	2.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	23.0	23	12	5	0	18			42	16	-26

TZ-15	Male	63	47	86	67	52	30	49	36	24	454										
	Female	65	68	88	67	46	22	26	22	14	418										
	Total	128	115	174	134	98	52	75	58	38	872										
	M CRs	1.6	1.2	2.2	1.7	1.3	0.8	1.2	0.9	0.6	11.4										
	1 1.7<2	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	21	10	0	0			18	32	14
	F CRs	1.6	1.7	2.2	1.7	1.2	0.6	0.7	0.6	0.4	10.5										
	1 1.7<2	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	0	0	0	10	10		18	14	-4
T CRs	3.2	2.9	4.4	3.4	2.5	1.3	1.9	1.5	1.0	21.8											
1 1.7<2	3.0	3.0	4.0	3.0	2.0	1.0	2.0	1.0	1.0	20.0	20	21	10	0	10			33	32	-1	
TZ-16	Male				12	9	9				30										
	Female				80	110	82	92	98	85											
	Total	150	170	170	92	119	91	92	98	85	1067										
	M CRs	0.0	0.0	0.0	0.3	0.2	0.2	0.0	0.0	0.0	0.8										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	11	11	0	-2			17	58	41
	F CRs	0.0	0.0	0.0	2.0	2.8	2.1	2.3	2.5	2.1	0.0										
	1 1.7<2	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	0	0	0	10			18	41	23
T CRs	3.8	4.3	4.3	2.3	3.0	2.3	2.3	2.5	2.1	26.7											
1 1.7<2	4.0	4.0	4.0	2.0	3.0	2.0	2.0	2.0	2.0	25.0	25	11	11	0	14	7		42	58	16	16
TZ-17	Male	75	84	59	95	49	26	28	26	26	468										
	Female	55	36	23	45	12	4	5	2	2	184										
	Total	130	120	82	140	61	30	33	28	28	652										
	M CRs	1.9	2.1	1.5	2.4	1.2	0.7	0.7	0.7	0.7	11.7										
	1 1.7<2	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	12.0	12	10	7	0	5			21	23	2
	F CRs	1.4	0.9	0.6	1.1	0.3	0.1	0.1	0.1	0.1	4.6										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	0	0	0	9	9		17	2	-15
T CRs	3.3	3.0	2.1	3.5	1.5	0.8	0.8	0.7	0.7	16.3											
1 1.7<2	3.0	3.0	2.0	3.0	1.0	1.0	1.0	1.0	1.0	16.0	16	10	7	0	9			27	23	-4	
TZ-18	Male	60	53	49	45	40	50	49	35	20	401										
	Female	65	52	50	35	35	25	28	9	12	311										
	Total	125	105	99	80	75	75	77	44	32	712										
	M CRs	1.5	1.3	1.2	1.1	1.0	1.3	1.2	0.9	0.5	10.0										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	11	3	0	6			17	19	2
	F CRs	1.6	1.3	1.3	0.9	0.9	0.6	0.7	0.2	0.3	7.8										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	11	0	0	9			17	2	-15
T CRs	3.1	2.6	2.5	2.0	1.9	1.9	1.9	1.1	0.8	17.8											
1 1.7<2	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	17.0	17	11	3	0	14	14		30	19	-11	-11
TZ-19	Male	50	47	40	30	40	34	33	34	33	341										
	Female	77	76	60	50	45	40	40	36	33	457										
	Total	127	123	100	80	85	74	73	70	66	798										
	M CRs	1.3	1.2	1.0	0.8	1.0	0.9	0.8	0.9	0.8	8.5										
	1 1.7<2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	8	8	0	1			17	43	26
	F CRs	1.9	1.9	1.5	1.3	1.1	1.0	1.0	0.9	0.8	11.4										
	1 1.7<2	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	11	0	0	0	11	11		19	26	7
T CRs	3.2	3.1	2.5	2.0	2.1	1.9	1.8	1.8	1.7	20.0											
1 1.7<2	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	19.0	19	8	8	0	11			34	43	9	
TZ-20	Male	94	63	70	68	63	64	69	58	64	613										
	Female	71	45	42	31	30	28	30	21	15	313										
	Total	165	108	112	99	93	92	99	79	79	926										
	M CRs	2.4	1.6	1.8	1.7	1.6	1.6	1.7	1.5	1.6	15.3										
	1 1.7<2	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	11	6	6	0	5			19	9	-10
	F CRs	1.8	1.1	1.1	0.8	0.8	0.7	0.8	0.5	0.4	7.8										
	1 1.7<2	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	0	0	0	10	10		18	0	-18
T CRs	4.1	2.7	2.8	2.5	2.3	2.3	2.5	2.0	2.0	23.2											
1 1.7<2	4.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	21.0	21	6	6	0	15			37	9	-28	
											176					-95					

* TZ-7 has deleted

** Teachers number has calculated by;

G1-3: One classroom teacher for one class G4-9: 14 teachers of 7 subjects for each one class (6 class)

Table 3: Number of Existing students and Necessary Classrooms(CRs)

		No. of Students/necessary Classrooms									Classrooms			Teachers			
		G1	G2	G3	G4	G5	G6	G7	G8	G9	Total	Needed	Existing	Planned	Needed	Existing	Planned
IB-1	Male	58	49	62	56	71	44	89	28	52	509						
	Female	40	37	29	16	28	8	51	0	7	216						
	Total	73	59	76	55	68	40	26	28	59	725						
	CRs	1.8	1.5	1.9	1.4	1.7	1.0	0.7	0.7	1.5	18.1						
	2<2.75<3	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0	11	8	3	19	31	12
IB-2 Including division	Male	68	52	61	61	47	66	0	0	0	355						
	Female	71	43	56	36	36	41	0	0	0	283						
	Total	139	95	117	97	83	107	0	0	0	638						
	CRs	3.5	2.4	2.9	2.4	2.1	2.7	0.0	0.0	0.0	16.0						
	2<2.75<3	3.0	2.0	3.0	2.0	2.0	2.0	0.0	0.0	0.0	14.0	14	8	6	22	14	-8
IB-3	Male	95	90	102	90	86	98	85	81	70	797						
	Female	80	75	58	50	45	38	35	35	21	437						
	Total	175	165	160	140	131	136	120	116	91	1234						
	CRs	4.4	4.1	4.0	3.5	3.3	3.4	3.0	2.9	2.3	30.9						
	2<2.75<3	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	2.0	29.0	29	7	22	52	34	-18
IB-4	Male	84	79	82	80	63	59	39	26	32	544						
	Female	95	68	54	45	37	33	23	16	14	385						
	Total	179	147	136	125	100	92	62	42	46	929						
	CRs	4.5	3.7	3.4	3.1	2.5	2.3	1.6	1.1	1.2	23.2						
	2<2.75<3	4.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	21.0	21	12	9	34	43	9
IB-5	Male	98	100	60	59	68	63	0	0	0	448						
	Female	79	58	54	50	60	59	0	0	0	360						
	Total	177	158	114	109	128	122	0	0	0	808						
	CRs	4.4	4.0	2.9	2.7	3.2	3.1	0.0	0.0	0.0	20.2						
	2<2.75<3	4.0	4.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	20.0	20	0	20	32	10	-22
IB-6	Male	53	36	43	30	11	37	0	0	0	210						
	Female	21	18	15	10	31	6	47	37	49	234						
	Total	74	54	58	40	42	43	47	37	49	444						
	CRs	1.9	1.4	1.5	1.0	1.1	1.1	1.2	0.9	1.2	11.1						
	2<2.75<3	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	6	4	18	6	-12
IB-7	Male	35	51	49	46	29	28	21	29	23	311						
	Female	37	43	24	16	23	13	13	9	7	185						
	Total	72	94	73	62	52	41	34	38	30	496						
	CRs	1.8	2.4	1.8	1.6	1.3	1.0	0.9	1.0	0.8	12.4						
	2<2.75<3	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	12.0	12	6	6	20	18	-2
IB-8	Male	49	44	71	51	34	36	0	0	0	285						
	Female	57	36	40	18	21	11	0	0	0	183						
	Total	106	80	111	69	55	47	0	0	0	468						
	CRs	2.7	2.0	2.8	1.7	1.4	1.2	0.0	0.0	0.0	11.7						
	2<2.75<3	3.0	2.0	3.0	1.0	1.0	1.0	0.0	0.0	0.0	11.0	11	4	7	15	10	-5
IB-9	Male	125	165	158	184	113	126	97	0	0	968						
	Female	114	174	117	151	144	124	135	88	95	1142						
	Total	239	339	275	335	257	250	232	88	95	2110						
	CRs	6.0	8.5	6.9	8.4	6.4	6.3	5.8	2.2	2.4	52.8						
	2<2.75<3	6.0	8.0	7.0	8.0	6.0	6.0	6.0	5.0	2.0	54.0	54	21	33	98	59	-39
IB-10	Male	40	40	45	27	17	0	0	0	0	169						
	Female	80	60	35	23	13	0	0	0	0	211						
	Total	120	100	80	50	30	0	0	0	0	380						
	CRs	3.0	2.5	2.0	1.3	0.8	0.0	0.0	0.0	0.0	9.5						

	2<2.75<3	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	9.0	9	0	9	12	11	-1
IB-12	Male only	35	24	21	19	25	16	21	17	12	190						
	Female only	35	23	23	20	17	7	5	0	0	130						
	total	70	47	44	39	42	23	26	17	12	320						
	CRs	1.8	1.2	1.1	1.0	1.1	0.6	0.7	0.4	0.3	8.0						
	2<2.75<3	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	9	1	18	13	-5
IB-13	Male	85	70	65	65	60	70	0	0	0	415						
	Female	45	40	40	30	40	25	0	0	0	220						
	Total	130	110	105	95	100	95	0	0	0	635						
	CRs	3.3	2.8	2.6	2.4	2.5	2.4	0.0	0.0	0.0	15.9						
	2<2.75<3	3.0	3.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	14.0	14	10	4	22	23	1
IB-14	Male	17	10	8	15	11	20	36	25	32	174						
	Female	10	14	15	10	15	14	21	19	24	142						
	Total	27	24	23	25	26	34	57	44	56	316						
	CRs	0.7	0.6	0.6	0.6	0.7	0.9	1.4	1.1	1.4	7.9						
	2<2.75<3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	9	0	17	30	13
IB-15	Male	33	31	41	27	24	19	39	22	31	267						
	Female	23	28	32	27	21	18	10	5	2	166						
	Total	56	59	73	54	45	37	49	27	33	433						
	CRs	1.4	1.5	1.8	1.4	1.1	0.9	1.2	0.7	0.8	10.8						
	2<2.75<3	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	5	5	18	12	-6
IB-16	Male	74	77	75	105	83	72	56	55	54	651						
	Female	78	70	74	76	105	80	78	58	71	690						
	Total	152	147	149	181	188	152	134	113	125	1341						
	CRs	3.8	3.7	3.7	4.5	4.7	3.8	3.4	2.8	3.1	33.5						
	2<2.75<3	4.0	3.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	31.0	31	12	19	59	42	-17
IB-17	Male	0	0	0	0	0	0	27	28	39	94						
	Female	0	0	0	0	0	0	2	2	2	6						
	Total	0	0	0	0	0	0	29	30	41	100						
	CRs	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	1.0	2.5						
	2<2.75<3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	3	6	-3	7	9	2
IB-18	Male	40	30	45	40	50	30	40	30	25	330						
	Female	12	12	8	15	10	15	7	8	3	90						
	Total	52	42	53	55	60	45	47	38	28	420						
	CRs	1.3	1.1	1.3	1.4	1.5	1.1	1.2	1.0	0.7	10.5						
	2<2.75<3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0	9	6	3	17	14	-3
IB-19	Male	40	34	58	28	25	15	19	15	0	234						
	Female	35	33	61	21	16	6	1	0	0	173						
	Total	75	67	119	49	41	21	20	15	0	407						
	CRs	1.9	1.7	3.0	1.2	1.0	0.5	0.5	0.4	0.0	10.2						
	2<2.75<3	2.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0	0.0	11.0	11	6	5	18	18	0
IB-20	Male	34	31	34	23	35	27	23	24	22	253						
	Female	28	38	44	37	30	9	6	8	2	202						
	Total	62	69	78	60	65	36	29	32	24	455						
	CRs	1.6	1.7	2.0	1.5	1.6	0.9	0.7	0.8	0.6	11.4						
	2<2.75<3	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0	10	0	10	18	9	-9

* IB-11 has deleted

50 26 24 94 84 -10

** Teachers number has calculated by;

G1-3: One classroom teacher for one class

G4-9: 14 teachers of 7 subjects for each one class (6 class)