

MINUTES OF DISCUSSIONS
ON
PREPARATORY SURVEY
ON
THE PROJECT FOR
CONSTRUCTION OF SECONDARY SCHOOLS
IN AMHARA REGION
IN THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

In response to the request from the Government of the Federal Democratic Republic of Ethiopia (hereinafter referred to as "Ethiopia"), the Government of Japan decided to conduct a Preparatory Survey on the Project for Construction of Secondary Schools in Amhara Region in the Federal Democratic Republic of Ethiopia (hereinafter referred to as "the Project") and entrusted the survey to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Ethiopia the Preparatory Survey Team (hereinafter referred to as "the Team"), which is headed by Mr. Makoto SHINKAWA, Senior Resident Representative, JICA Ethiopia Office and is scheduled to stay in the country from November 12, 2010 to December 16, 2010.

The Team had a series of discussions with the Ethiopian officials concerned and conducted field surveys.

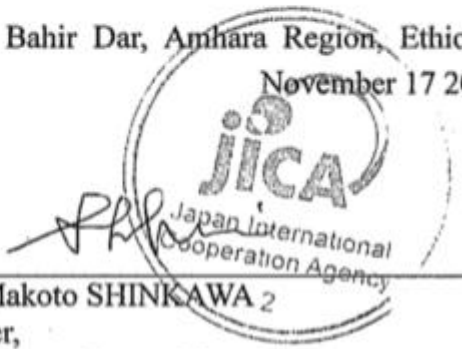
In the course of discussions and field survey, both parties confirmed the main items described on the attached sheets.

Bahir Dar, Amhara Region, Ethiopia
November 17 2010



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Mr. Nigussu Tilahun
Bureau Head
Amhara National Regional State
Education Bureau
Federal Democratic Republic of Ethiopia



Mr. Makoto SHINKAWA
Leader,
Preparatory Survey Team
Japan International Cooperation Agency

Witnessed by

[Handwritten signature]



Mr. Mesfin G/medhin Birru
Deputy Bureau Head
Amhara National Regional State Bureau
of Finance and Economic Development
Federal Democratic Republic of Ethiopia



Witnessed by
[Handwritten signature]
Mr. Tilahun Tadesse
Director,
International Cooperation Department
Ministry of Finance and Economic
Development
Federal Democratic Republic of Ethiopia

ATTACHMENT

1. Objective of the Project

The main objective of the Project is to improve teaching and learning environment in secondary schools through construction of schools in Amhara Region. Through the achievement of this objective, it is expected that the Project contributes to the expansion of access to secondary education, which is described as one of the main priority goals in education policy documents, namely Education Sector Development Programme 4 (ESDP4) which is soon to be launched by Ethiopia.

2. Name of the Project

Both sides discussed and confirmed the name of the Project as “the Project for Construction of Secondary Schools in Amhara Region in the Federal Democratic Republic of Ethiopia”.

3. Responsible and Implementing Organization

The responsible and implementing organization of the Project is the Amhara National Regional State Education Bureau (hereinafter referred to as “AREB”). The latest organization chart of AREB is shown in ANNEX 1.

4. Project Scope

The original request made by the Ethiopian side is outlined in ANNEX 2. Based on the request, following points were discussed with regard to a possible project scope.

4-1. Priority of Types

The both sides discussed and agreed that the Project will cover secondary schools dropping primary schools from the original request, taking into consideration that there is emerging need of expansion of secondary education in the country. Among the types of secondary schools, the priority will be given in the following order based on the data analysis of targeted schools and AREB’s policy to equip secondary schools with appropriate libraries to meet the educational standards set by AREB. The Type 5, which was not part of the original request made by AREB, was proposed and added as a result of the analysis done by the Team based on the data and information of existing facilities and number of students of the schools.

- Type 3: Constructing new full cycle secondary schools
- Type 4: Constructing new secondary school libraries
- Type 5: Constructing additional classrooms to existing secondary schools

The Team will conduct a site survey of 17 secondary schools which covers Type 3, Type 4 and Type 5. The types to be covered by the Project will be finalized based on the result of overall survey considering the cost estimation, facility components, and actual site conditions.

4-2. Facility Components

The both side confirmed that the facility components and its priority requested by the Ethiopian side for Type 3 are as in ANNEX 3. Both sides confirmed the following categories

will be applied for the items listed in ANNEX 3.

- Category A: Confirmed to be covered by the Project.
- Category B: Will be assessed further from the perspectives of the priority by the Ethiopian side, purpose, and frequency of utilization, efficient design and etc.
- Category C: Will be dropped from the Project scope.

The scope and specification of facility components to be covered by the Project will be finalized based on the result of overall survey.

4-3. Number of Classrooms

The Team explained that final number of classrooms will be adjusted and determined after confirmation of projected need of each school for the coming years. The Team explained that the number of classrooms will be categorized in several patterns for the sake of efficient design. Both sides agreed that the number of classrooms will be estimated on a basis of single shift with a standard number of student per class as 40, and that the maximum number of classroom per school will be 32 based on the original request made by the Ethiopian side.

4-4. Furniture and Equipment

The Team explained that basic furniture, such as blackboard, desk and chair will be covered by the Project, whereas other equipment, such as dispensable items for the labs, computers, and library books will not be covered by the Project. Therefore, the Team requested the Ethiopian side to secure necessary budget for the equipment which will not be covered by the Project.

4-5. TVs for Plasma Program

The Ethiopian side specifically requested to include TVs that are necessary to comply with its educational standard specified by policy and to follow curriculums. The Team explained that the total project scope shall be adjusted accordingly considering costing when TVs are included in the Project scope. The Team also explained that the procurement procedure of the TVs should follow International Competitive Bidding (ICB) to meet the Procurement Guidelines for Grant Aid for Community Empowerment. The Team will collect further information on the issue.

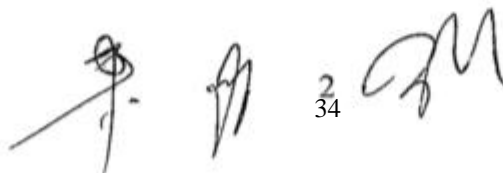
4-6. Vehicle for Supervision

The both sides confirmed that a vehicle is not eligible for the Project.

4-7. Site Condition

The following site conditions agreed in the previous mission will be examined for each site by the site survey. The site which does not satisfy the following conditions will be excluded from the Project scope.

- There should be justifiable need for enrollment in secondary schools. (The need should be verified by enrollment data in schools and population data in the catchments area.)
- No other plan exists for current/ongoing facility improvement by the Ethiopian Government, other donors, NGOs, etc. construction at the sites to avoid duplication.
- Topographically/environmentally safe and appropriately sized land for construction is secured.

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- The sites should be secured by the responsible organization. (The landownership or right to use the land should be verified by presenting valid documents when necessary.)

5. Japan's Grant Aid Scheme

- 5-1. The Ethiopian side understood the Japan's Grant Aid for Community Empowerment and necessary measures to be taken by the Ethiopian side described in the Minutes of Discussions signed by both parties on July 19, 2010.
- 5-2. The details of the measures taken by the Ethiopian side for each construction site, such as securing land, clearing level and reclaiming the site where necessary, constructing gates and fences in and around the site where necessary, constructing roads outside the site, and providing electricity and water supply to the site, etc. will be further assessed and reported to AREB by the consultant team by the end of the field survey this time. The Team requested the Ethiopian side to secure sufficient budget for the preparation.

6. Framework of Project Implementation

Both side understood and confirmed the framework of implementation described in the Minutes of Discussions signed by both parties on July 19, 2010.

7. Schedule of the Survey

- 7-1. The consultant members of the Team will proceed to undertake further survey in Ethiopia until December 16, 2010.
- 7-2. After the field survey, the Team will continue the second study in Japan until February 2011. Then, JICA will dispatch the third field survey team to explain a draft report of the Project in March, 2011.

8. Other Relevant Issues

- 8-1. The Ethiopian side requested to minimize the indirect cost for the Project. The Team agreed to make efforts to minimize the indirect cost to the extent possible.
- 8-2. In case the candidate site does not meet the site conditions, AREB suggests alternative sites while the consultant members are on the site. The Team explained that it will not accept alternative sites once the site survey concludes.

END

ANNEX 1 Organizational Chart of AREB

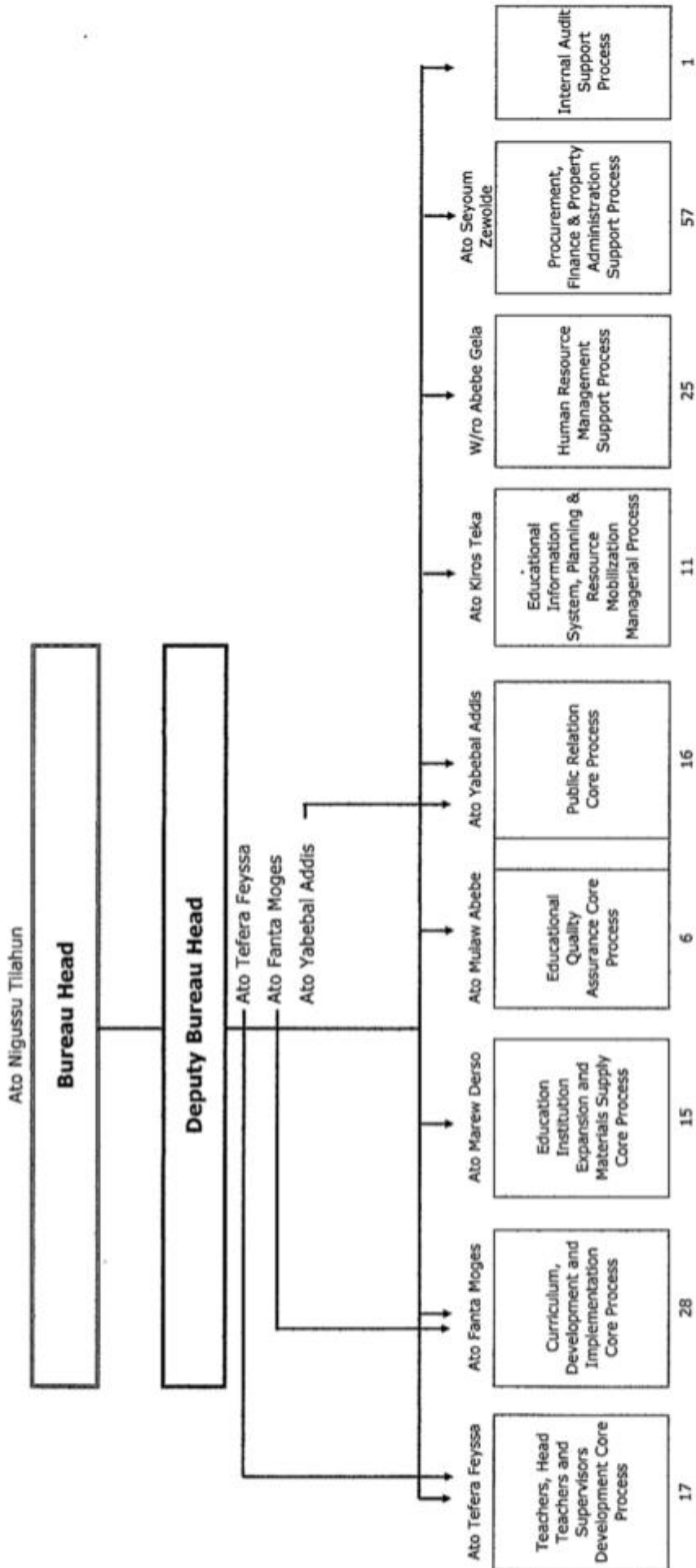
ANNEX 2 The Contents of the Request by the Ethiopian Side (Original)

ANNEX 3 The List of Components for Type 3: Constructing New Full Cycle Secondary Schools

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ANNEX 1 ANNEX 1 Organizational Chart of AREB



Note: Numbers are the number of staff under each process.

36

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ANNEX 2 The Contents of the Request by the Ethiopian Side (Original)

1. Proposed Project Sites

(1) Requested Sites

39 schools in Amhara Region

(2) Type of requested schools

Type 1: Constructing 11 new full cycle primary schools (Grade 1 – 8) as follows

No.	Zone	Woreda	Site	Distance from Bahir Dar
1	Bahir Dar City	Bahir Dar	Kebele 14	0
2	North Gondar	Gondar town	Kebele 18	176km
3	South Wollo	Dessie town	Kebele 14 Geldeba	480km
4	East Gojjam	Debre Markos town	Kebele 4	265km
5	North Shoa	Debre Birhan town	Kebele 7	695km
6	North Wollo	Woldia town	Mehal Machare	365km
7	South Gondar	Debre Tabor town	Malu (2.5ha)	101km
8	Awi	Injibara town	Site is selected	118km
9	Oromia	Kemmis town	Kebele 3	890km
10	Wag Hamera	Seqota town	Kebele 2	560km
11	West Gojjam	Finota Selam town	Site is selected	185km

Type 2: Upgrading 11 first cycle primary schools to full cycle primary schools

No.	Zone	Woreda	Site	Distance from Bahir Dar
1	Bahir Dar City	Bahir Dar	Zenzelema Primary School	0
2	North Gondar	Gondar town	Kebele 20 Primary School	176km
3	South Wollo	Dessie town	Kebele 10 Seferaselam	480km
4	East Gojjam	Debre Markos town	Debza Primary School	265km
5	North Shoa	Debre Birhan town	Model No.2 Primary School	695km
6	North Wollo	Woldia town	Gela Machare Primary School	365km
7	South Gondar	Debre Tabor town	Tegur Primary School	101km
8	Awi	Injibara town	Identified	118km
9	Oromia	Kemmis town	Sedana 29 Primary School	890km
10	Wag Hamera	Seqota town	General Hailu K. Primary School	560km
11	West Gojjam	Finota Selam town	Site is selected	185km

Type 3: Constructing 8 new full cycle secondary schools (Grade 9 – 12)

No.	Zone	Woreda	Site	Distance from Bahir Dar
1	North Gondar	Gondar town	Kebele 18	176km
2	Bahir Dar City	Bahir Dar	Kebele 14	0
3	South Wollo	Dessie town	Boru Solasie K.14	480km
4	East Gojjam	Debre Markos town	Kebele 3	265km
5	North Shoa	Debre Birhan town	Kebele 6	695km
6	North Wollo	Woldia town	Defrega Kibi Kebele	365km
7	South Gondar	Debre Tabor town	Debre Tabor Eyesus	101km
8	West Gojjam	Gonji Kolela	Gonji Kolela	60km

Type 4: Constructing 9 new secondary school libraries

No.	Zone	Woreda	Site	Distance from Bahir Dar
1	Bahir Dar City	Bahir Dar City	Tana Sec. School	0
2	North Gondar	Gondar town	Fasiladas Sec. School	176km
3	South Wollo	Dessie town	Kebele 14 Sec. School	480km
4	Bahir Dar City	Bahir Dar	Ghion Sec. School	0
5	North Gondar	Gondar town	Edgit Feleg Sec. School	176km
6	South Wollo	Dessie town	Niguse Michael Sec. School	480km
7	Bahir Dar City	Bahir Dar	Fasiladas Sec. School	0
8	North Gondar	Gondar town	Azezo Sec. School	176km
9	South Wollo	Dessie town	Kidame Gebya Sec. School	480km

2. Requested Components for Each Type

(1) Facility

Type 1	class room:24 office:3 staff room:1 clinic:1 store room:1 library:1 science laboratory:1 resource center:1 toilet:2 guard room:1 special need education room:1 language laboratory:1	ICT center:1 janitor room:1 guidance & counselling room:1 CPD room:1 extra curricular club room:6
Type 2	class room:16 office:3 library:1 science laboratory:1 resource center:1 toilet:2 special need education room:1 language laboratory:1 ICT center:1 guidance & counselling room:1 CPD room:1 extra curricular club room:6	
Type 3	class room:32 library:1 resource center:1 technical drawing room:1 IT center:1 ICT center:2 satellite receiver center:1 guidance counselling room:1 demonstration room:3 assembly hall:1 office:13 staff room:1	clinic:1 janitor room:1 toilet:2 electric distribution room:1 guard room:1 mini-media room:1 information desk:1 extra curricular club room:12 room for department:10 physics laboratory room:1 chemistry laboratory room:1 biology laboratory room:1
Type 4	office:1 store:1 reading area:1(for 300 students)	

(2) Equipment

Type 1	Furniture and necessary equipment for 11 new constructed full cycle primary schools
Type 2	Furniture and necessary equipment for 11 upgraded full cycle primary schools
Type 3	Furniture and necessary equipment for 8 new constructed full cycle secondary schools
Type 4	Furniture, equipment and necessary facilities for 9 secondary school libraries

(3) Others

One TOYOTA station wagon for supervision of civil works

W66

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List of components for Type 3: Constructing new full cycle secondary schools

Category	Items	Priority
A Confirmed to be covered by the project	Class room	/
	Library	
	Physics lab	
	Chemistry lab	
	Biology lab	
	Resource centre	
	IT centre	
	Office	
	Staff room	
	Boy toilet	
	Girl toilet	
	Male toilet (teachers)	
	Female toilet (teachers)	
B To be reviewed and determined considering usage, need and costing	Assembly hall	1
	Tech drawing room	2
	ICT centre	3
	Guidance and counseling room	4
	Mini-media room	5
	Satellite receiver center	6
	Electric distribution room	7
	Guard room	8
	Janitor room	9
C To be dropped (based on previous discussion)	Demonstration Room	/
	Clinic	
	Info desk	
	Room for department	
	Extra curricular club room	





TECHNICAL NOTES
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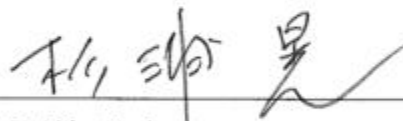
After JICA official member of the Preparatory Survey Team (hereinafter referred to as “the Team”) on the Project for Construction of Secondary Schools in Amhara Region in the Federal Democratic Republic of Ethiopia (hereinafter referred to as “the Project”) left for Japan, the Consultant members of the Team (hereinafter referred to as “the Consultant”) continued to hold a series of meetings with the concerned parties of Ethiopia and to conduct field survey in the requested areas of Amhara Region.

In the course of meetings and the field survey, Amhara National Regional State Education Bureau (hereinafter referred to as “AREB”), the responsible and implementing agency of the Project, and the Consultant have identified technical issues to be addressed as per described in the attached sheets.

Bahir Dar, Amhara Region, Ethiopia
December 13, 2010



Mr. Nigussu Tilahun
Bureau Head
Amhara National Regional State Education Bureau
Federal Democratic Republic of Ethiopia



Mr. Akira Sugiura
Project Manager
Preparatory Survey Team
Mohri, Architect & Associates, Inc.

ATTACHMENT

1. Submission of Site Plans of All the TYPE 3 Request Schools

The Ethiopian side agreed to set site boundary pegs, conduct site survey, and submit to JICA Ethiopia Office site plans with contour lines for all the 8 TYPE 3 Request schools by January 11, 2011.

2. Necessity of Site Preparation Work for All the Project Schools

Based upon the field survey, the Consultant explained that the Ethiopian side is required to undertake site preparation works such as cutting land, filling, preparing construction access roads, and demolishing obstacles in the requested sites.

The Ethiopian side promised to commence the said site preparation works after Field Survey III, which is scheduled in March 2011, and complete them before the construction tender, which is planned to call for in August 2011.

3. Confirmation of the Facility Components and Furniture

Both sides agreed that the Consultant plans facility and furniture for TYPE 3 as per the annex 1. As for TYPE 4, the Ethiopian side requested to plan libraries with the seating capacity of more than 300 as per the original request. However, the plan shall be finalized after the analysis in Japan.

4. TYPE 5 Request Schools

Both sides agreed to prioritize schools which use temporary and/or dilapidated classrooms in selecting TYPE 5 Request schools. The Ethiopian side requested to plan laboratories in addition to classrooms for TYPE 5 Request School.

5. Plasma TVs

Both sides agree that the Japanese side procures plasma TV screens, networking system and plasma stands, while the Ethiopian side procures satellite receiving system such as satellite dishes and satellite receivers, if the Project covers the Plasma TV.

6. Construction of a New Secondary School in Gonji Kolela

The Ethiopian side explained that the Gonji Kolela City Administration Office has a plan to convert the existing secondary school to a primary school, as a road construction plan promulgated by the Federal Government reduces the available land area for the existing secondary schools to be expanded.

The Consultant requested the Ethiopian side to assure that the existing secondary schools will be converted into a primary school and to take the necessary procedure so that the existing school will be opened as a primary school as soon as the construction of the new secondary school by the Project is completed. The Ethiopian side agreed with the matter.



Annex 1: List of the Facility and Furniture Components for TYPE 3

Facility		Accommodation Capacity	Minimum Floor Area (mf)	Furniture		
Name	Number			Name	Number	
Class Room	32	Student:40 Teacher:1	46.08	Arm Chair Teacher's Desk Teacher's Chair Chalkboard White Board Notice Board	40 1 1 1 1 1	
Library	1	Student:120	229.72	Library Desk Library Chair Catalogue Box File Cabinet Librarian Desk Librarian Chair Bookshelf(Small) Bookshelf(Big) Chalkboard Notice Board	24 120 1 1 1 1 1 25 1 1	
Laboratory Room (Chemistry, Physics, Biology)	3	Student:40 Teacher:1	152.75	Stool Teacher's Desk Teacher's Chair Demonstration Table Student's Working Desk Cupboard(2type) Shelf Chalkboard White Board Notice Board	42 1 1 1 20 6 2 1 1 2	
Resource Center	1	Working Space + Department Head:10	118.13	Office Desk Office Chair Cupboard Working Table Working Chair Shelf Chalkboard Notice Board	10 10 10 2 6 10 2 2	
IT Center	1	Student:40 Teacher:1	To be reconsidered (Standard:56.00)	Computer Desk Computer Chair Teacher's Desk Teacher's Chair Shelf White Board Notice Board*	20 40 1 1 1 1 1	
Office	Director	1	Director:1 Guest:8	20.00	Office Desk Meeting Table Armrest Chair Office Chair Cupboard File Cabinet Notice Board	1 1 1 8 1 1 1
	Vice Director	2	Vice Director:1 Guest:6	15.00	Office Desk Armrest Chair Office Chair Cupboard File Cabinet Notice Board	1 1 6 1 1 1
	Secretary	2	Secretary:1 + Guest: 6	15.00	Office Desk Office Chair Cupboard File Cabinet Shelf	1 7 1 1 1
	Accountant Casher Purchase Officer Procurement Officer	4	Accountant:1 Casher:1 Purchase Officer Procurement Officer + Guest:2 each	15.00	Office Desk Armrest Chair Office Chair Cupboard File Cabinet	1 1 2 1 1
	Process Owner Human Resource Officer Planning Officer	3	Process Owner:1 Human Resource Officer + Planning Officer Office:1 + Guest:4 each	15.00	Office Desk Armrest Chair Office Chair Cupboard File Cabinet	1 1 4 1 1
	Record Officer	1	Record Officer:1	20.00	Office Desk Office Chair Cupboard File Cabinet Shelf	1 1 1 1 4
	Store & Service Room	1	-	20.00	-	-
Staff Room	1	Teaching Staff: 30 + Locker: 60	To be reconsidered (Standard:56.00)	Office Chair Meeting Table File Cabinet Chalkboard Notice Board Locker	30 5 6 1 1 Good for 60	
Male&Female Toilet	2	-	6.13	-	-	
Boy&Girl Toilet	2	-	22.16	-	-	

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From July 2010 to March 2011, the Japan International Cooperation Agency (hereinafter referred to as "JICA") had conducted two field surveys as a part of the Preparatory Survey on the Project for Construction of Secondary Schools in Amhara Region in the Federal Democratic Republic of Ethiopia (hereinafter referred to as "the Project") in the Federal Democratic Republic of Ethiopia (hereinafter referred to as "Ethiopia"). Based on the results of the field surveys and subsequent technical examinations conducted in Japan, JICA prepared the Draft Preparatory Survey Report.

In order to explain the contents of the report and discuss with the officials concerned of the Government of Ethiopia, JICA sent the Survey Team (hereinafter referred to as "the Team"), which was headed by Mr. Makoto SHINKAWA, Senior Resident Representative, JICA Ethiopia Office and is scheduled to stay in the country from March 28, 2011 to April 1, 2011.

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

Bahir Dar, Amhara Region, Ethiopia

March 30 2011

FOR

Fanta Mages Behonegn
Vice Bureau Head
Curriculum Development and Implementation Core Process

Mr. Nigussu Tilahun
Bureau Head
Amhara National Regional State Education Bureau
Federal Democratic Republic of Ethiopia



Mr. Makoto SHINKAWA
Leader,
Preparatory Survey Team
Japan International Cooperation Agency



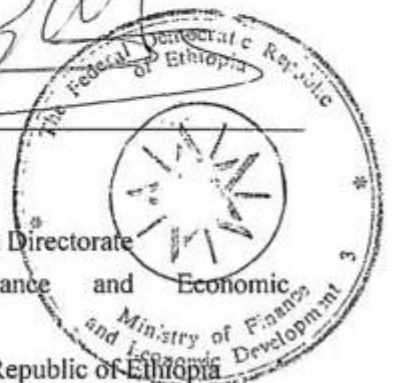
Witnessed by

Mesfin G/Medhin Birru
Deputy Bureau Head
Amhara National Regional State Bureau of Finance and Economic Development
Federal Democratic Republic of Ethiopia



Witnessed by

Mr. Tilahun Tadesse
Director
Bilateral Cooperation Directorate
Ministry of Finance and Economic Development
Federal Democratic Republic of Ethiopia



ATTACHMENT

1. Contents of the Draft Report

The Ethiopian side agreed and accepted in principle the contents of the draft report as explained by the Team.

2. Components and Facilities to be Covered by the Project

Both sides agreed on the list of components and facilities for each candidate school to be covered by the Project as shown in ANNEX-1. The Ethiopian side agreed that the Japanese side would make a final decision on this matter through further study in Japan.

3. Japan's Grant Aid Scheme and Major Undertakings

The Ethiopian side understood the Japan's Grant Aid Scheme, and the Ethiopian side assured that it shall take necessary measures as described in ANNEX-7 of the Minutes of Discussions signed by both parties on July 19, 2010 and as indicated in ANNEX-2 of this Minutes of Discussion. Particularly, the Ethiopian side ensured that it would complete the site clearance before the commencement of construction works. The details of obligations to be covered by the Government of Ethiopia are described in ANNEX-3.

4. Final Report of the Preparatory Survey

JICA will finalize the report in accordance with the result of discussions and forward it to the Government of Ethiopia soon after the Government of Japan approves the Project officially.

5. Project Cost Estimation

The Ethiopian side understood that the Project cost estimation described in ANNEX-4 was not final at this stage and would be set and approved by the Government of Japan after thorough examinations.

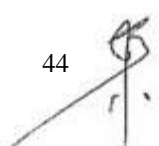
6. Confidentiality of the Information Related to the Project

Both sides confirmed that all information related to the Project including design documents of facilities and furniture shall not be released to any outside parties before concluding all contracts for the Project. Furthermore, both sides agreed that the estimated cost of the Project as described in ANNEX-4 shall never be duplicated or released to any outside parties before concluding all contracts for the Project.

7. Other Relevant Issues

7-1. Procurement Procedures

The Team explained the revision of the Procurement Guideline of Japan's Grant Aid (Type I-C) and both sides agreed that the constructors shall be Ethiopian constructors.



7-2. Allocation of Necessary Budget and Personnel

The Ethiopian side agreed to allocate necessary budget and personnel for the proper operation and maintenance of the facilities to be covered by the Project.

7-3. Proper Use and Maintenance

Both sides understood that proper use and maintenance of the facilities was indispensable for their long-term use. The Ethiopian side assured the Team that it would facilitate the proper use and maintenance of the facilities in the schools to be covered by the Project with the active involvement of concerned parties such as principals and PTAs, and other concerned organizations.

7-4. Schedule of the Project

The team explained that the coming schedule of the final approval of the Project by the Government of Japan is uncertain due to possible impact caused by a major earthquake which hit Japan recently. JICA will inform the Ethiopian side once the schedule is confirmed.

ANNEX-1 Components and Facilities to be Covered by the Project

ANNEX-2 Major Undertakings by Each Government

ANNEX-3 The Details of the Obligation of the Government of Ethiopia

ANNEX-4 Project Cost Estimation

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ANNEX-1 Components and Facilities to be Covered by the Project

Type New (N) Existing (E)	School No.	Pri- ority	District (Woreda)	Kebele (new)/School Name(existing)	No. of CR	Size (m ²)	No. of CR to set Plasma Display	Facility Type											
								Classroom • Library • Laboratory Blocks						Admin. Block					Latrine
								4C	2-8C	3-12C	2-4CR	R	2-R	L	LI	AA	AB	AC	
Type 3:N	GD-1	1	Godar	Kebele 18	32	3604.54	36		1	2	1	1	1	1	1	3			
	BH-2	2	Bahir Dar	Kebele 14	32	3604.54	36		1	2	1	1	1	1	1	3			
	DS-3	3	Dessie	Boru Selasie k.14	32	3604.54	36		1	2	1	1	1	1	1	3			
	DM-4	4	Debre Markos	Kebele 13	32	3591.04	36		4	2	1	1	1	1	1	3			
	DB-5	5	Debre Birhan	Kebele 6	32	3591.04	36		4	2	1	1	1	1	1	3			
	WD-6	6	Woldia	Defrega Kibi Kebele	32	3591.04	36		4	2	1	1	1	1	1	3			
	DT-7	7	Debre Tabor	Debre Tabor Eyesus	32	3591.04	36		4	2	1	1	1	1	1	3			
	GK-8	8	Gonji Kolela	Gonji Kolela	32	3591.04	36		4	2	1	1	1	1	1	3			
Type 4,5:E	BD-9	1		Tana Sec. School	4	732.6	4												
	BD-10	4	Bahir Dar	Ghion Sec. School	4	519.45	4												
	BD-11	7		Fasilto Sec. School	4	519.45	4												
	GD-12	2		Fasilto Sec.S	4	732.6	4												
	GD-13	5	Gondar	Edgit Faleg Sec.S	4	519.45	4												
	GD-14	8		Azezo Sec. School	4	519.45	4												
	DS-15	3		Hottie Sec. School	4	732.6	4												
	DS-16	6	Dessie	Nigus Michael S.S	4	519.45	4												
	DS-17	9		Kidame Gebya S.S	4	519.45	4												
Total					292	34,083.32	324	3	23	6	6	8	3	16	8	8	8	24	



ANNEX-2 Major Undertakings by Each Government

Relevant works	Japan	Ethiopia
1. Land acquisition		•
2. Site preparation		•
3. Construction of facility components	•	
4. Installation of related facility and equipment		
(1) Site fence and gate installation when necessary		•
(2) Power distribution work		
a. Bring power lines to the border of the site		•
b. Transformer installation, laying power lines within the site	•	
(3) Water supply work		
a. Laying pipes from the city water pipe to the site border		•
b. Water supply facilities within the site	•	
c. Water drainage works outside the site		•
5. Procurement of furniture and equipments		
(1) Furniture procurement		
a. Basic furniture for normal classrooms and other facilities	•	
(2) Equipment and apparatus for experiments		
a. Equipment and apparatus for science experiments		•
b. Educational materials		•
(3) Books for library		•
(4) Equipment for Distance Learning Curriculum		
a. Satellite receiving system (satellite antenna and related apparatus)		•
b. Prasma display, network apparatus and TV stands	•	
6. Bank fees according to B/A		•
7. All expenses needed for project implementation not covered by the Grant Aid		•

Remarks:

1) Works required to be done before starting the construction

- Land acquisition & Site preparation
- Bring power lines to the border of the site

2) Works required to be done during the construction

- Installation of Site fence and gate installation when necessary
- Laying pipes from the city water pipe to the site border and water drainage works outside the site

3) Works required to be done after the construction

- Installation of Satellite receiving system for Distance Learning Curriculum
- Provide educational equipment and materials not covered by the Project.

ANNEX-3 The Details of the Obligation of the Government of Ethiopia

Area	School No.	School Name	Land formation	Access road construction	Removing obstructions (surface & underground)	Gate, fence, & guard room construction	Drinking fountain construction	Water supply & electricity facility provision	Satellite antenna & related apparatus installation
Gondar	GD-1	Kebele 18	18,900 m ²	300 m (6 m wide)	-	Gate: 1 place, fence: 1,000 m, guard room: 1 place	1	Water supply: 400 m, Electricity: 200 m	Required
Bahir Dar	BD-2	Kebele 14	-	400 m (6 m wide)	-	Gate: 1 place, fence: 600 m, guard room: 1 place	1	Water supply: 450 m, Electricity: 150 m	Required
Dessie	DS-3	Bora Setnie K.14	-	350 m (6 m wide)	-	Gate: 1 place, fence: 800 m, guard room: 1 place	1	Water supply: 400 m, Electricity: 100 m	Required
Debre Markos	DM-4	Kebele 3	18,000 m ²	400 m (6 m wide)	-	Gate: 1 place, Fence: 950 m, Guard room: 1 place	1	Water supply: 400 m, Electricity: 150 m	Required
Debre Birhan	DB-5	Kebele 6	9,300 m ²	-	-	Gate: 1 place, Fence: 800 m, Guard room: 1 place	1	Water supply: 400 m, Electricity: 150 m	Required
Woldia	WD-6	Delega Kibele	4,700 m ²	100 m (6 m wide)	Felling, removing roots	Gate: 1 place, Fence: 800 m, Guard room: 1 place	1	Water supply: 400 m, Electricity: 50 m	Required
Debre Tabor	DT-7	Debre Tabor Eysasa	14,500 m ²	100 m (6 m wide)	Felling, removing roots	Gate: 1 place, Fence: 1,000 m, Guard room: 1 place	1	Water supply: 400 m, Electricity: 200 m	Required
Gonji Kokele	GK-8	Gonji Kokele	-	-	-	Gate: 1 place, Fence: 900 m, Guard room: 1 place	1	Water supply: 350 m, Electricity: 100 m	Required
Bahir Dar	BD-9	Tana Sec. School	-	-	Removing rocks	Scrapping fence & restration (for site gateway)	-	Electricity: 50 m (installation from nearby building)	-
	BD-10	Gision Sec. School	-	-	Felling, removing roots	-	-	Electricity: 50 m (installation from nearby building)	-
	BD-11	Fantlo Sec. School	-	-	Felling, removing roots & rocks	Scrapping fence & restration (for site gateway)	-	Electricity: 50 m (installation from nearby building)	-
Gondar	GD-12	Fasilada Sec. School	400 m ²	-	Scrapping fence (50 m) & existing building (50 m)	Scrapping fence & restration (for site gateway)	-	Electricity: 50 m (installation from nearby building)	-
	GD-13	Edjir Foleg Sec. School	800 m ²	-	Felling, removing roots	Scrapping fence & restration (for site gateway)	-	Electricity: 50 m (installation from nearby building)	-
	GD-14	Azzero Sec. School	-	-	-	Scrapping fence & restration (for site gateway)	-	Electricity: 50 m (installation from nearby building)	-
Dessie	DS-15	Hottie Sec. School	-	-	Scrapping classroom (250 m ²), felling, removing roots	-	-	Electricity: 50 m (installation from nearby building)	-
	DS-16	Nigatu Michael Sec. School	1,200 m ²	-	Felling, removing roots	-	-	Electricity: 50 m (installation from nearby building)	-
	DS-17	Kidamo Gebya Sec. School	400 m ²	-	Felling, removing roots	Scrapping fence & restration (for site gateway)	-	Electricity: 50 m (installation from nearby building)	-

**ANNEX-4 Project Cost Estimation
(CONFIDENTIAL)**

1. Initial Cost Estimation

This part is closed due to confidentiality.
調達・施工業者契約認証まで非公開

(2) Cost to be borne by the Ethiopian Side

Item	Amount (Birr)	Equivalent to (Yen)
Land formation (Cut, Filling)	3,410,000	19,573,000
Construction of the access roads	83,000	476,000
Construction of the gates, fences and guard rooms	3,191,000	18,316,000
Removing the obstructions (surface and underground)	62,000	355,000
Provision of facility for electricity distribution	755,000	4,449,000
Provision of facility for water supply	640,000	3,674,000
Construction of drinking fountains	64,000	367,000
Installation of apparatus for distance learning curriculum (Satellite Antenna and related apparatus)	560,000	3,214,000
Bank charge	238,000	1,354,000
Total	9,023,000	51,778,000

(3) Conditions of Estimation

- 1) Estimation as of : December, 2010
- 2) Foreign exchange rate : 1US\$=86.61 yen, 1Birr=5.74 yen
- 3) Implementation period : As shown in the project implementation schedule
- 4) Other conditions : The Project will be implemented in accordance with the grant-aid scheme of the Government of Japan

**TECHNICAL NOTES
ON
THE PREPARATORY SURVEY
ON
THE PROJECT FOR CONSTRUCTION OF SECONDARY SCHOOLS IN AMHARA
REGION
IN THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA**

In July, November 2010 and March 2011, the Japan International Cooperation Agency (JICA) dispatched Preparatory Survey Team on the Project for Construction of Secondary Schools in Amhara Region (hereinafter referred to as "the Project") to the Federal Democratic Republic of Ethiopia (hereinafter referred to as "Ethiopia"), and through confirmation of components of the draft report of the Project, JICA prepared a technical reference for tender documents of the Project.

In order to explain and to consult the Government of Ethiopia on the components of the technical reference for tender documents, JICA sent to Ethiopia the Consultant Team (hereinafter referred to as "the Team"), which was headed by Mr. Akira Sugiura, the Project Manager of the Preparatory Survey Team, from June 21, 2011 to July 19, 2011.


As a result of discussions, both sides have confirmed the following items:

1. Contents of the technical reference for tender documents

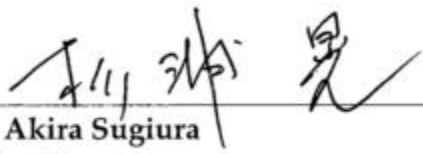
The Ethiopia side agreed and accepted in principle the contents of the technical reference for tender documents proposed by the Team.

Bahir Dar, Amhara Region, Ethiopia

July 18, 2011


Nigussu Tilahun G/Amanuel
... Head

Mr. Nigussu Tilahun
Bureau Head
Amhara National Regional State
Education Bureau
Federal Democratic Republic of Ethiopia


Mr. Akira Sugiura
Project Manager
Preparatory Survey Team
Mohri, Architect & Associates, Inc.



5. 参考資料

No.	名称	形態	オリジナル / コピー	発行機関	発行年
1	Education Statistics Annual Abstract 2006/7	図書	コピー	Ministry of Education	2008
2	Education Statistics Annual Abstract 2007/8	図書	コピー	Ministry of Education	2009
3	Education Statistics Annual Abstract 2008/9	図書	コピー	Ministry of Education	2010
4	Annual Education Statistics 2005/6	図書	オリジナル	Amhara National Regional State Education Bureau	2007
5	Annual Education Statistics 2006/7	図書	オリジナル	Amhara National Regional State Education Bureau	2007
6	Annual Education Statistics 2007/8	図書	オリジナル	Amhara National Regional State Education Bureau	-
7	Education Sector Development Program III (2005/6-2009/10)	図書	オリジナル	Amhara National Regional State Education Bureau	2006
8	Summary and Statistical Report of the 2007 Population and Housing Census	PDF ファイル	コピー	Population Census Commission	2008
9	Education Facility Standard-Primary Level (in Amharic)	図書	オリジナル	Amhara National Regional State Education Bureau	-
10	Education Facility Standard-Secondary Level (in Amharic)	図書	オリジナル	Amhara National Regional State Education Bureau	-
11	Technical Specification & Design or Drawing for One New Full Cycle Primary School (1-8)	図書	コピー	Amhara National Regional State Education Bureau	2002
12	List of Consultant/Consultancy Licence (Given by AAICS 2001)	データ	コピー	Addis Ababa City Administration Infrastructure and Construction Works Authority (AAICS)	2008
13	List of Registered Contractors for 2002 Budget Year	データ	コピー	Ministry of Works and Urban Development Construction	2009
14	List of Registered Contractors for 2002 Budget Year	データ	コピー	Amhara National Regional State Bureau of Public Works and Urban Development	2009
15	List of Registered Contractors for 2003 Budeget Year	データ	コピー	Ministry of Urban Development and Construction (previously, Ministry of Works and Urban Development)	2010