

Republic of the Union of Myanmar

Ministry of Education

Department of Basic Education

**DATA COLLECTION SURVEY
FOR
THE PROGRAMME
FOR
REHABILITATION AND RECONSTRUCTION
OF SCHOOLS
IN FLOOD AND LANDSLIDE AFFECTED AREAS
IN
REPUBLIC OF THE UNION OF MYANMAR**

FINAL REPORT

April 2018

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

YACHIYO ENGINEERING CO., LTD.

HM
JR
18-021

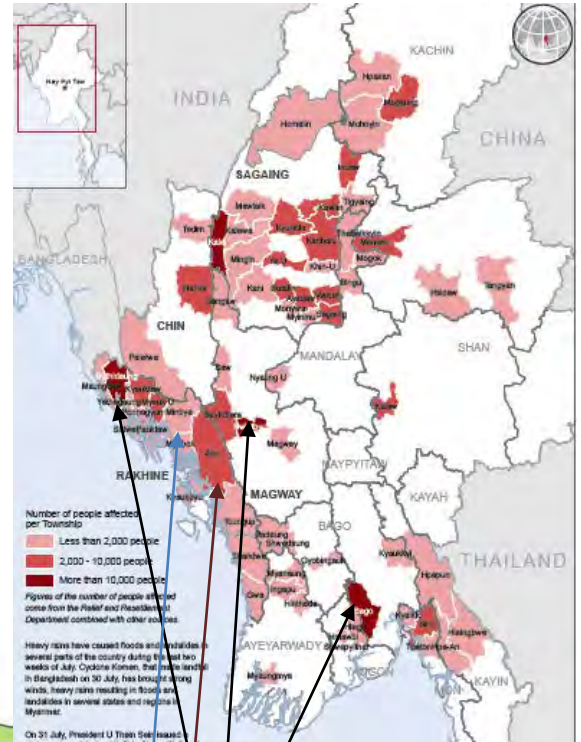
**DATA COLLECTION SURVEY
FOR
THE PROGRAMME
FOR
REHABILITATION AND RECONSTRUCTION
OF SCHOOLS
IN FLOOD AND LANDSLIDE AFFECTED AREAS
IN
THE REPUBLIC OF THE UNION OF MYANMAR**

FINAL REPORT

April 2018

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

YACHIYO ENGINEERING CO., LTD.



2015 Flood Damage
(UNOCHA, 2015)

- Affected persons: > 10,000
- Affected persons: 2,000-10,000
- Affected persons: < 2,000

Affected Regions

(Ayeyarwady, Bago, Yangon, Magway, Mandalay, Sagaing, Chin, Kachin, Kayah, Mon, Rakhaing, Shan)

Location Map

Contents

Chapter 1	Project Background and Outline.....	1
1-1	Background.....	1
1-1-1	Survey Items.....	1
1-1-2	Counterpart.....	2
1-1-3	Target Regions.....	2
1-1-4	Implementation Period.....	2
1-1-5	Implementation System.....	2
1-2	Programme Document.....	3
1-3	Outline Progress.....	4
1-4	DBE Tender Committee Members.....	8
1-5	Tender Evaluation.....	8
1-6	Construction and Payment.....	9
Chapter 2	Tender / Supervision.....	13
2-1	1 st Batch.....	13
2-2	2 nd Batch.....	20
2-3	3 rd Batch.....	28
2-4	4 th Batch.....	30
Chapter 3	Financial Plan and Progress.....	32
3-1	Funding Plan and Cash Flow.....	32
3-2	Payment Status.....	33
Chapter 4	Present Condition of DBE, Technical Assistance.....	41
4-1	Present Condition of DBE's Engineering Management.....	41
4-2	Technical Guidance.....	41
Chapter 5	Steering Committee, Working Committee and Joint Coordination Meeting.....	44
5-1	Steering Committee (SC).....	44
5-2	Working Committee (WC).....	44
5-3	Joint Coordination Committee (JCC).....	49
Chapter 6	Public Relations and Workshop on School Construction.....	51
6-1	Reporting by the Myanmar Ministry of Education and the Japanese Government.....	51
6-2	Workshop on School Construction.....	52
Chapter 7	Current Issues and Future Suggestions.....	54
7-1	Current Issues.....	54
7-2	Future Suggestions.....	56

Appendices

- Appendix 1 Survey Team Member List
- Appendix 2 List of 493 Schools to be Repaired/reconstructed due to the flood caused by Cyclone Komen in June and July 2015
- Appendix 3 Completion Status of 1st Batch/2nd Batch 82 schools
- Appendix 4 Improvement Suggestion Table to DBE Standard School Drawings
- Appendix 5 Additional Particular Structural Specification for DBE Tender
- Appendix 6 Tender Evaluation Result for 1st Batch Tender
- Appendix 7 Tender Evaluation Result for 2nd Batch Tender
- Appendix 8 Materials for Workshop for Supervision of School Construction
- Appendix 9 Sample of Tender Form for Evaluation of 3rd Tender
- Appendix 10 Inspection sheet for school building
- Appendix 11 Programme Pamphlet for Public Relations
- Appendix 12 Tender Form
- Appendix 13 Bill of Quantities for Evaluation of 3rd Tender
- Appendix 14 Public Relations Pamphlet
- Appendix 15 List of Collected Data and Documents

Figures and Tables

Figure 1-1	Implementation System for the Financial Support-Based School Rebuilding Grant Project.	3
Figure 1-2	Monitoring System of School Construction	11
Figure 1-3	School System of Myanmar	12
Figure 2-1	Locations of the 39 schools of the 2 nd batch and the 12 schools of the 4 th batch in Rakhine State	31
Figure 3-1	Budget of 1.5 Billion Japanese Yen by Grant Aid of Japan (March 15 2018)	33
Figure 6-1	Public Relations Pamphlet	51
Figure 6-2	Newspaper Article (August 5th, 2017)	51
Figure 6-3	Tape Cutting by Ambassador and Education Minister	51
Figure 6-4	Photo of Workshop on 29 th July, 2016	53
Table 1-1	Information Gathering/Confirmation Survey Process Summary	5
Table 1-2	Department of Basic Education (DBE) Tender Committee Members	8
Table 1-3	Contractor Interview Content Checked During Tender Evaluation	9
Table 2-1	No. of Tender Documents Purchased and No. of Contractors Submitting Tenders for the 1 st Batch	13
Table 2-2	Questionnaire for Evaluation of the Lowest Tenderer (General Question) 1 st Batch	14
Table 2-3	1 st Batch Tender and Contract Status	16
Table 2-4	Constructed Facilities and Number of Student Beneficiaries in the 1 st Batch	16
Table 2-5	Outline of 1 st Batch Schools and Number of Student Beneficiaries	17
Table 2-6	1 st Batch Monthly Meeting Contents	17
Table 2-7	Improvements in DBE's Tender Document	18
Table 2-8	No. of Tender Documents Purchased and No. of Contractors Submitting Tenders for the 2 nd Batch	21
Table 2-9	Contract Status of 2 nd Batch (February 22, 2017)	23
Table 2-10	Students Number of 2 nd Batch Schools (Before Disaster)	24
Table 2-11	Students Number of 2 nd Batch Schools (After Disaster)	25
Table 2-12	Outline of 2 nd Batch Facilities and Contract Amount	26
Table 2-13	Monthly Progress Meeting for 1 st Batch & 2 nd Batch	27
Table 2-14	List of 16 Schools for the 3 rd Batch	28
Table 2-15	List of 10 Schools for the 3 rd Batch	29
Table 2-16	List of 7 Schools for the 3 rd Batch	30
Table 2-17	List of 14 Schools for the 4 th Batch	30
Table 3-1	Payment Status for 1 st Batch (March, 2018)	33
Table 3-2	Payment Status for 2 nd Batch (March, 2018)	35
Table 4-1	Main Contents of the DBE Standard Drawings Improvement Guidance	42
Table 5-1	First Steering Committee Meeting	44
Table 5-2	Second Steering Committee Meeting	44
Table 5-3	Topics of the Working Committee Meetings (June, 2016 to February, 2018)	44
Table 5-4	Joint Coordination Meeting	49
Table 7-1	Completion Status of 1 st Batch and 2 nd Batch (April 2018)	54
Table 7-2	Completion Status of 1 st Batch (April 2018)	54
Table 7-3	Completion Status of 2 nd Batch (April 2018)	55

Table 7-4 Problem, Consultants Advice, and Future Improvement..... 56

Abbreviations

Abbreviation	English
BAJ	Bridge Asia Japan
BBB	Build Back Better
CE	Chief Engineer
DDG	Deputy Director General
DG	Director General
DLI	Disbursement Linked Indicator
EN	Exchange of Notes
GA	Grant Agreement
GGP	Grant Assistance for Grassroots Human Security Projects
GOM	Government of Myanmar
JCM	Joint Coordination Meeting
JICA	Japan International Cooperation Agency
JICS	Japan International Cooperation System
MEB	Myanmar Economic Bank
MES	Myanmar Engineering Society
MMK	Myanmar Kyat
MOC	Ministry of Construction
MOE	Ministry of Education
OAG	Union Office of the Auditor General
PD	Programme Document
RCC	Reinforced Cement Concrete
SC	Steering Committee
S/REO	State / Regional Education Office
WC	Working Committee
TEO	Township Education Office
UNICEF	United Nations Children's Fund

Chapter 1 Project Background and Outline

1-1 Background

Flooding in the Republic of the Union of Myanmar (hereinafter, Myanmar) in July of 2015 affected approximately 1.624 million people in 12 states and regions (Ayeyarwady, Bago, Yangon, Magway, Mandalay, Sagaing, Chin, Kachin, Kayin, Mon, Rakhine, and Shan), and 4,116 school facilities sustained damage.

According to the report “Post-Disaster Needs Assessment of Floods and Landslides July-September 2015,” 213 schools were completely destroyed, 430 schools sustained structural damage (among these, 66 schools in Rakhine were destroyed, and 226 schools sustained structural damage, meaning that the most damage occurred in Rakhine). The total cost of the damage came to 50.5 billion kyat (about 5 billion yen).

The Ministry of Education of Myanmar drafted the “Recovery Plan for Schools Damaged by Floods and Landslides,” and in the beginning of September 2015, the government of Myanmar applied to Japan to reconstruct or rehabilitate 493 damaged schools. Upon receiving the application, the Japanese government began to offer support for reconstructing under several different schemes. Among them, as for the Grant Aid for Financial Support, the both governments signed an Exchange of Notes (E/N) on November 13th, 2015 for a Grant Aid up to a limit of 1.5 billion yen. Based on this, on the same day, the Minutes of Meeting (M/M) for the First Steering Committee were signed, and the Grant Agreement (GA) and Programme Document (PD) were concluded on December 22nd. Based on the “Build Back Better” principle in the basic disaster control policy hammered out by the Japanese government in the third World Conference on Disaster Risk Reduction, it is planned to hire local contractors for the reconstruction work on an engineering, procurement and construction monitoring contract from the Ministry of Education of Myanmar.

Other schemes include Grant Assistance for Grassroots Human Security Projects (GGP, 400 million yen), projects implemented by UNICEF (1.2 billion yen), by a procurement agency (JICS: Japan International Cooperation System, 1.2 billion yen), and by Bridge Asia Japan (BAJ, an authorized NPO).

This survey aims to gather information and to provide technical advice regarding the planning, procurement, and construction status for school reconstruction projects financed by grant aid from JICA. The school constructions constantly conducted by the Ministry of Education appears not to be adequately considering, the structural suitability for the soil bearing power of the location, earthquake/wind resistant design, and disaster damage, so it was hoped that the provision of technical advice and suggestion would contribute to the improvement of such situation.

1-1-1 Survey Items

The survey includes the following work regarding the “Programme for Rehabilitation and Reconstruction of Schools in Flood and Landslide Affected Areas” which is implemented by the Department of Basic Education, Ministry of Education of Myanmar:

- (1) Technical advice on the following information gathering/fact checking, quality assurance and efficiency:**
 - 1) Status of school sites
 - 2) Facility design plans (design drawings, specifications)
 - 3) Tender plan (tender document content, conditions, etc.)
 - 4) Construction monitoring plan (system, method)
 - 5) Contract with local contractors (content, contracted status)
 - 6) Construction status
- (2) Checking the disbursement status of the grant aid, supporting appropriate execution management**
- (3) Support for holding the coordinating committee meetings with participants from the Ministry of Education of Myanmar, the Embassy of Japan, and the JICA Myanmar office**
- (4) Support for public relations activities implemented by the Ministry of Education of Myanmar and the Japanese government**

1-1-2 Counterpart

Department of Basic Education (DBE), Ministry of Education of Myanmar

1-1-3 Target Regions

With operations based in Nay Pyi Taw, disaster-hit regions (Ayeyarwady, Bago, Yangon, Magway, Mandalay, Sagaing, Chin, Kachin, Kayin, Mon, Rakhine, and Shan) shall be visited as needed.

1-1-4 Implementation Period

February 2016 – February 2017 (initial), February 2016 – April 2018 (following 2nd revisions)

1-1-5 Implementation System

This grant aid scheme was implemented under the system shown in the figure below.

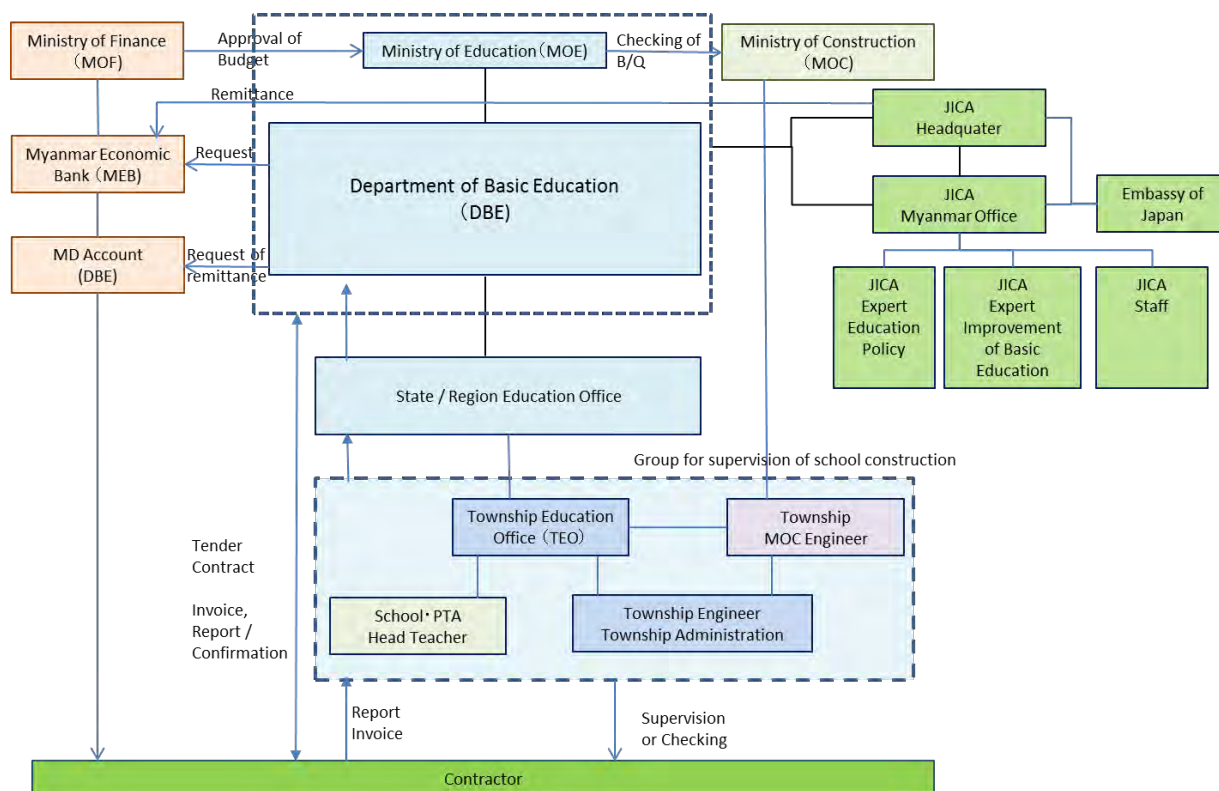


Figure 1-1 Implementation System for the Financial Support-Based School Reconstruction Grant Aid Project

1-2 Programme Document

An outline of the content of the Program Document signed on December 22nd, 2015 is shown below.

Programme Document (PD)

- Reconstruction based on the BBB (Build Back Better) principle (5)
- Results based on the Disbursement Linked Indicator (DLI) (7)
- (Ministry of Education) (MOE) shall bear total responsibility for implementing the program. (11)
- MOE shall open a yen account at the Myanmar Economic Bank (MEB). (12)
- (The Government of Myanmar) (GOM) shall bear total responsibility for the financial management. (15)
- Payment will be made according to the progress regulations of DLI. (20)
- MOE shall transfer funds from its yen account at the MEB to its Myanmar kyat (MMK) account at the same bank with the approval of JICA. (22)
- MOE shall convene the Steering Committee (SC). (23)
- (The Office of the Auditor General (OAG) shall inspect the yearly audit report. (23)
- (A Working Committee (WC) shall be organized. (24)
- The results obtained by the SC and WC shall be recorded in the minutes of meeting. (25)
- Changes/revisions to PD shall require the approval of SC and the consent of JICA. (26)
- Procurement based on the contract shall follow the January 8th, 2014 guidelines of MOC and MOE. (29)
- OAG shall conduct a yearly audit of accounts. (31)

- MOE shall retain all records for five years following completion. (32)
- All contracts shall include environmental clauses relating to health and safety. (34)
- MOE shall install nameplates at all completed schools. (35)
- MOE shall bear all responsibility for public relations work, including SNS, television, and newspaper. (37)
- MOE shall prepare JICA PR information such as videos and other materials in both English and Burmese. (38)

*Numbers in parentheses indicate the corresponding item in the Programme Document

BBB (Build Back Better)

- ① Build resilient facilities which meet Myanmar's building codes and will be resistant to future disaster damage.
 - Facilities furnished with safe stairways of appropriate size.
 - Elevation of schools built in delta regions and others.
 - Sanitation facilities
- ② Ensure a better learning environment under ongoing educational reforms.
 - Add extra classrooms for the kindergarten classes operated from June 2016.
 - Add classrooms to upgrade post-primary schools to middle schools.
 - Add teachers' rooms.
 - Prepare lodgings for the school principal and teachers (if necessary).
 - Install classroom furniture of appropriate quality (single-student desks/chairs, blackboards/whiteboards, shelves for textbooks, etc.)

1-3 Outline Progress

The tender was originally planned to take place from January to February 2016, with construction beginning in March and completed by December. However, due to the delay of the first disbursement, the delay in the preparation of design and tender documents, and time-consuming coordination with other support schemes, the tender of 117 schools was delayed by 2 months and finally announced in March. However, because the announcement concerning the 117 schools was made without cooperating with other schemes, the announcement was withdrawn, and a new announcement was made concerning 47 non-overlapping schools, divided into 11 lots as the 1st batch.

The deadline for tender on the 1st batch was March 31st, 2016. After the tenders were opened on April 22nd, contracts were concluded in August 2016 for 22 schools in six lots based on the results of the tender document evaluations and contract negotiations.

For the 2nd batch, 67 schools were selected in July 2016, tender was announced on August 29th, 2016, closed on September 29th, 2016, and tenders were opened on October 6. Following this, based on the results of the tender document evaluations and contract negotiations, contracts for 64 schools in 20 lots were concluded between December 2016 and February 2017.

For the 3rd batch, target schools were selected once contract amounts for schools up through the 2nd batch were finalized, but due to personnel shuffling in the Ministry of Education, such as new appointments for the Department of Basic Education and the Education Minister, etc., selection and approval of target schools was greatly delayed, and the seven target schools were not selected until March 2018.

For the 4th batch, the Japanese government agreed to rebuild 15 schools in Rakhine to help restore the Rakhine State. However, the target schools and facility scale are currently being determined by the DBE and the Rakhine State Department of Education.

The process outline from the start of the on-site survey until March of 2018 is shown below.

Table 1-1 Information Gathering/Confirmation Survey Process Summary

	Date	Description	Submission
First On-Site Survey (2016)	February 16	Survey Start Programme Document (PD) (December 22, 2015) Target Schools: 493 (Actual schools number is 464) DBE Recovery Plan (Oct. 2015) Target Schools: 643 Schools for recovery in DBE: 117 Schools	
	February 11	Discussion at JICA Myanmar office	Inception Report
	February 16	DBE, EOJ, JICA, JICS, UNICEF Coordination Meeting Discuss target schools with EOJ (GGP), JICS. Confirmed to revise the list of 493 schools based on discussion. Inception Report explanation by survey team.	Inception Report
	March 8	Mr.Minami and Mr.Ohara left Myanmar.	
Assignments in Japan (2016)	March 11	DBE announced First Tender without coordination. (20 lots, 120 schools). Schools selected by DBE overlapped with other groups. (GGP; 23 schools, JICS; 3 schools, private donors; 7 schools)	
	March 11	JICA sent a request letter to DBE-Director General. Requests the organization of a tender team within DBE, the assignment of a full-time counterpart for enabling good relation with Yachiyo Engineering.	Requesting full time counterpart for Yachiyo Engineering (attach school survey results for Mandalay and Chin)
	March 14	Sale of Tender documents started (Tender close march 31, Tender opening April 1) Site layout plan was not include in the Tender Drawings. Some drawings were revised based on the advice from Yachiyo Engineering.	
Second On-Site Survey (2016)	March 15	Mr. Minami arrived at Nay Pyi Taw.	
	March 17	DBE, EOJ, JICA, JICS, UNICEF coordination meeting (Attendance: Counselor Mr.Matsuo). Discussed target schools and agreed on each demarcation. DBE-JICA; 49 schools, JICS; 84 schools, GGP; 45 schools, UNICEF (incl. survey only); 230 schools, others; 82 schools, no need; 3 schools.	
	March 18	DBE withdrew 20 schools from tender. DBE-JICA; 47 schools, JICS; 84 schools, GGP; 46 schools, UNICEF (incl. survey only); 230 schools, BAJ; 7 schools, President separate fund; 29 schools, others; 46 schools, no need; 3 schools	

	Date	Description	Submission
Second On-Site Survey (2016)	March 27	DBE started to sell 1 st Batch tender document. (11 lots, 47 schools (Tender closing date March 31)	
	March 22	Revised target school list by JICS decreased by 3 schools.	
	March 24	Meeting for solving measures at JICA Myanmar office. (Mr. Nishigata, Ms. Ikeda, Ms. Yamakawa, Mr. Minami and Mr. Ohara)	
	March 25	Revised target schools by GGS, JICS.	
	March 31	Tender Close. Tender opening on April 1 was canceled. New Tender opening date, April 8, was announced from DBE on April 8.	
	April 1	Survey team issued a letter regarding implantation system of this project to Director General, DBE. (question and proposal)	
	April 7	Survey team advised additional improvement points to the DBE standard school design. Survey team advised recommended construction schedule and timing of inspection for 3 classrooms type building.	Additional improvement points of standard school design of DBE Recommended construction schedule for 3 CR buildings
On-Site Survey (2016)	April 11-20	Thingyan and New Year Holiday	
	April 22	Tender opening for 1 st Batch	
	May 24	Official announcement of Lowest Tenderers for each lot.	
	May-August	Advice on tender evaluation and negotiation with tenderers. Clarification of Lowest Tenderers. 25 schools were canceled after evaluation. 22 schools to be contracted after MOE approval.	
	May 24	Coordination Meeting. Selection of JICA-DBE Schools taking into account UNICEF and JICS school lists.	
	June 27	Working Committee (WC) (DBE-JICA) Issues up to the contract of 1 st Batch project discussed.	
	August 12	Contracts made for 4 lots (15 schools for Lot-21, 22, 23 and 31. 13 schools in Chin, 2 schools in Yangon)	
	August 25	Contract made for 1 lot. (4 schools for Lot-26, Chin)	
	August 25	Contract made for 1 lot. (3 schools for Lot-28, Chin)	
	August 24	Coordination meeting. DBE reported about the situation of 1 st batch and 2 nd batch.	
	August 25	DBE arranges for newspaper announcement of 2 nd batch tender.	
	August 27,29	Tender announcement for 2 nd batch in newspaper.	
	September 29	Tender close for 2 nd batch.	
	October 6	Tender opening (20 lots, 67 schools, 154 Tenderers)	
	October 17	Working Committee (WC) (DBE-JICA) Grant amount 1.5 billion Yen, JICA explained GA /PD contents. Budget carry out procedure with MOPF. Schedule of 2 nd and 3 rd batch.	
	October 24	YEC submitted evaluation reports for 2 nd batch to DBE. YEC requested arrangement of Clarification Meeting.	
	October 25	Coordination Meeting. Confirmation of completed schools (Reconstruction/Rehabilitation) out of the 493 target schools required. Use for remaining budget (purchasing of school furniture). Exchanging rate of first disbursement was fixed at 10.08. DBE will request MOC because MES could not be involved in monitoring.	
	November 2	Evaluation of successful tenderers for 2 nd batch by DBE.	
November 10	Clarification Meeting for 2 nd batch with tenderers of 20 lots		
November 18	YEC reported Clarification result to DBE.		

	Date	Description	Submission
On-Site Survey (2016)	November 22	Working Committee (WC) (DBE-JICA). Precondition of second disbursement. Confirmed procedure into next financial year government budget. Submission of baseline data. Schedule of 2 nd and 3 rd batch. To appoint responsible persons. To discuss with monitoring team.	
	December 7	Working Committee (WC) (DBE-JICA). To confirm progress on items from previous meeting. Precondition of 2 nd disbursement. (Completed schools by DBE, GGP and JICS.) Schedule of 2 nd and 3 rd batch.	
	December 10	Coordination Meeting. Adjustment of 493 schools	
On-Site Survey (2017)	January 23	Kick off meeting for 2 nd batch. Instructions given concerning monthly progress reports. Perceived problems for each lot discussed.	
	February 6	Working Committee (WC) (DBE-JICA). Precondition of second disbursement. Submission of baseline data. Schedule of 3 rd batch. To appoint responsible persons. To discuss with monitoring team. Signing of PD extension.	
	February 15	Working Committee (WC) (DBE-JICA) Precondition of second disbursement. Discuss JPN→MMK exchanging rate and recovery school numbers for 3 rd batch. Monitoring team issue (To cancel MOC and request DHE engineers)	
	March 9	Working Committee (WC) (DBE-JICA) Confirm 30 % completion. Discussion concerning the schedule of Steering Committee Meeting etc.	
	March 21-25	Pre-completion inspection of Lot-31 by YEC (2 schools in Yangon). Inspection for Lot-46 and construction inspection / monitoring seminar (3 schools in Ayeyarwady)	
	April 3	Working Committee (WC) (DBE-JICA) Confirm 30 % completion. Discussion concerning the schedule of Steering Committee Meeting etc.	
	May 9-12	Inspection for Lot-48 and construction inspection / monitoring seminar (3 schools in Mandalay)	
	May 15-19	Pre-completion inspection of Lot-31 by YEC (2 schools in Yangon). Inspection for Lot-31 and Lot-40. Monitoring seminar for Rakhine TEO	
	May 22, 23	Inspection of Lot-48 and monitoring seminar (1 school in Magway)	
	May 24, 25	Inspection for Lot-48 and monitoring seminar (1 school in Bago)	
	June 19-22	Inspection for Lot-32 (4 schools), Lot-34 (4 schools), Lot-40 (2 schools) and construction inspection / monitoring seminar (Rakhine)	
	June 25-28	Confirmation of Lot-48 school condition (3 schools in Mandalay)	
	July 25	Working Committee (WC) (DBE-JICA) Introduction to change factor of GA, PD. Selection of 3 rd Batch schools. Discussion concerning the schedule of Steering Committee Meeting etc.	
	August 4	Handing over Ceremony of Lot-31, Code No.441. Attendance: Minister of MOE, Ambassador of EOJ, Deputy Representative of JICA	Pamphlet
	August 7-9	Confirmation of Lot-48 school condition (3 schools in Mandalay)	
	August 29	Working Committee (WC) (DBE-JICA) Sign on amendment to GA. Selection of 3 rd Batch schools and tender schedule. Etc.	
	September 6-8	Inspection of Lot-46 (2 schools in Ayeyarwady)	
October 12,13	Survey of 3 rd batch candidate schools (4 schools in Yangon)		

	Date	Description	Submission
On-Site Survey (2017)	November 20	Steering Committee Meeting. Attendance: Minister of MOE, Chief Representative of JICA, Report on DBE Second disbursement status.	
	December 6	Working Committee (WC) (DBE-JICA) Steering Committee Meeting, Review of SC Minutes. Update on MOE's support to Rakhine development. Confirmation of 3 rd and 4 th batch candidate schools.	
On-Site Survey (2018)	January 4- March 1	Preparation of 3 rd batch tender documents (Revision and drafting of tender drawings, Tender Form, Reference Bill of Quantities(BOQ) for tender evaluation)	Revised drawings (7 classroom type, Headmaster's house, Toilets, Furniture), BOQ
	January 8-10	Confirmation of 3 rd batch candidate schools (Yangon 1 school, Bago 5 schools)	
	January 25	Working Committee (WC) (DBE-JICA) Discussion on the tender period for the 3 rd batch and operations concerning 15 schools in Rakhine State in the 4 th batch.	
	February 27	Working Committee (WC) (DBE-JICA) Confirmation of the progress of 3 rd batch tender. Confirmation of 4 th batch candidate schools. Discussion concerning 4 th batch school preliminary survey and the JICA-DBE structure (role division).	

1-4 DBE Tender Committee Members

The DBE committee for the tender was configured with the following members on March 10, 2016.

Table 1-2 Department of Basic Education (DBE) Tender Committee Members

No.	Name	Position	Committee Position
1	U Zaw Win	Deputy Director General (Administration-Finance)	Chairman
2	Dr. Zaw Win	Deputy Director General (MOE)	Vice-Chairman
3	U kyaw Swar Thwin	Deputy Director, Education Office Yangon Region	Member
4	Dr. Soe Myit Tun	Deputy Director, Education Office Mandalay Region	Member
5	U Thein Saung	Director, Education Office Chin State	Member
6	U Thein Myint	Director, Education Office Sagaing State	Member
7	U Aung Kyaw Tun	Director, Education Office Rakhine State	Member
8	U Win Maung	Director, Education Office Ayeyarwady Region	Member
9	U Nyunt Soe	Deputy Director, Education Office Pyi District	Member
10	U Khin Maung Win	Director (Administration), Department of Basic Education	Member
11	Dr. Chit Ko	Deputy Director (Budget), Department of Basic Education	Member
12	Daw Saundar Oo	Assistant Director (Engineer), Department of Basic Education	Member
13	Dr. Kyaw Win Soe	Deputy Director (Finance), Department of Basic Education	Secretary
14	U Khin Aung	Deputy Director (Chief Engineer), Department of Basic Education	Co-Secretary

1-5 Tender Evaluation

As appropriate tender evaluation was expected to be difficult due to insufficient conditions, such as site locations not yet having been confirmed, interviews were conducted with the contractors to assess their abilities.

Table 1-3 Contractor Interview Content Checked During Tender Evaluation

No.	Check Items	Checked Content
1	Checking for Target school preliminary survey	<ul style="list-style-type: none"> • Have you visited the target school(s) and assessed the condition of the construction site? • Have you considered the access to the target school(s)? (Has the rainy season been considered?) • Have you checked the soil status and considered the foundation structure? • Have you checked for the presence of obstructing objects?
2	Checking for Bill of Quantities	<ul style="list-style-type: none"> • Any overshoots or shortfalls in your quantity survey? • Does your estimate take into account a foundation suitable for soil conditions and the possibility of uneven ground? • Are your roof steel truss members compatible to the required size? • Does your estimate take into account the necessary site preparation and leveling?
3	Checking for Construction schedule	<ul style="list-style-type: none"> • Have you made a construction schedule for each building? • Does your conversion plan take into account the time needed for sheathing remaining period? • Is your schedule based on appropriate manpower? • Does your schedule include the time needed for preliminary preparation and approval of shop drawings?
4	Checking for Quality Control	<ul style="list-style-type: none"> • Does the site agent possess the experience and knowledge necessary to assure the quality of work? • Do you plan concrete tests and trial mixing? • Have you confirmed the reasonable quality of the materials you plan to use? • Are staircases, handrails, and steel structures taken into account in the creation of your shop drawings for approval?
5	Checking for Safety Control	<ul style="list-style-type: none"> • As a company, do you make site safety and environmental measures a priority? • Site health and safety management system check (contact method for each worker) • Site environment maintenance check (neat and tidy, scaffolding, signage, safety gears, etc.) • Shared understanding of the safety management level required for this project
6	Checking for Contractor execution ability	<ul style="list-style-type: none"> • Company resume check (capital, employees, plant and equipment owned, etc.) • Check work experiences with similar projects (years executed, construction period, workmanship)

1-6 Construction and Payment

- Each school shall have an inspection group headed by the Township Education Office (TEO), made up of the following three people; Township Education Officer, Township Construction Engineer and the school head master. The inspection group shall conduct their inspection in the following 4 stages, and if no issues are identified the three members shall sign an inspection completion form:
- Four installment payments on partial completion

- 1) Completion of foundation work : 25%
- 2) Completion of roofing work : 25%
- 3) Completion of floor and wall plastering work : 25%
- 4) Building completion : 25%

- The contractor shall submit a monthly progress report (with photos) to DBE.
- On the part of DBE, the signed inspection completion form from the inspection group and the progress reports shall be checked by Director General (DG), Deputy Director General (DDG), and the Director of Finance Department, and contractors shall be paid from DBE account.
- The content of payments shall be reported to the Working Committee (Minister of Education, DBE, EOJ, JICA, etc.).
- The survey group offered guidance to DBE engineers regarding the points and timings of the work inspection, and also held an informational workshop on July 29th, 2016 for explaining the points of construction monitoring and inspections to the persons in charge of the State / Regional Education Office (S/REO) and of the Township Education Office (TEO), the principal of each target school, etc.
- Upon completion of each local school survey and inspection, the survey group explained the inspection points to construction committees made up of school principals and PTA members.
- The system of progress report and payment is shown in Figure 1-2 below.

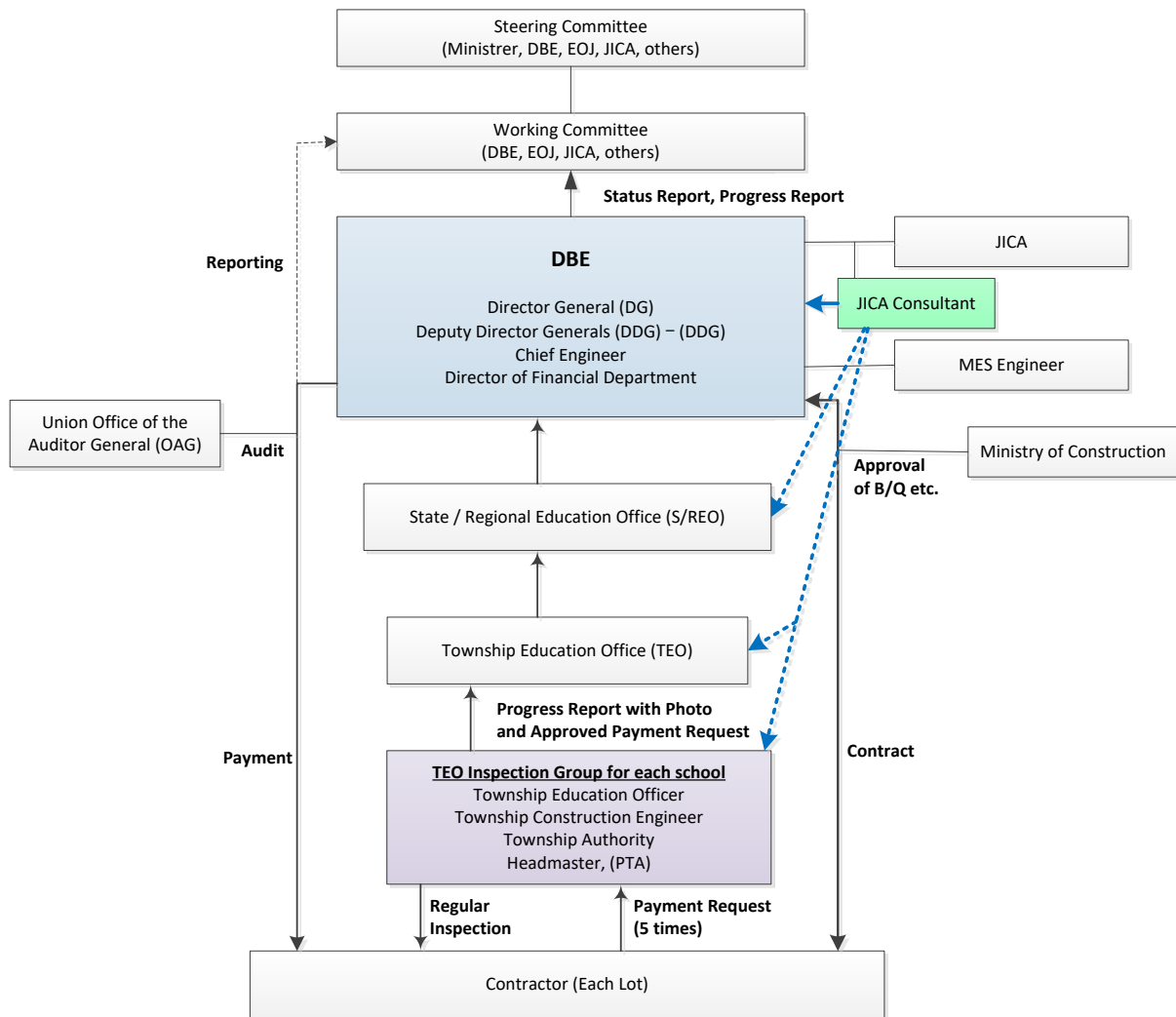


Figure 1-2 Monitoring System of School Construction

(Footnotes)

<Steering Committee (SC)>

[Roles]

- 1) Grasp the implementation status of the grant aid, and note the progress of the Programme Results Framework and Disbursement Links Indicators
- 2) Check the progress reports submitted by the Department of Education
- 3) Check the yearly accounting audit reports from the Myanmar Auditor of Accounts, etc.

[Structure]

- Chair: Myanmar Minister of Education
- Vice Chairs: Myanmar Vice Minister of Education, Chief Representative of JICA Myanmar Office
- Members: Education Under-Secretary, Department of Basic Education (DBE) department head, deputy department head, administration section manager, budget section manager, officials recommended by the MOE, the Japanese Ambassador, JICA Education Policy Adviser, JICA Myanmar Office

<Working Committee>

[Roles]

Reporting to and coordination with the Steering Committee

[Structure]

- Chair: Director General of the Department of Basic Education (DBE)
- Members: DBE Deputy Director General, Director (administration), Director (Budget), officials recommended by the MOE (Ministry of Construction, etc.), Embassy of Japan, JICA Basic Education Improvement Adviser, JICA Myanmar Office

<Myanmar's Education System>

Myanmar differs from many other countries, in that students enter primary school at age five. Until April 2016, primary school consisted of five years of education beginning at age five (G-1 through G-5), followed by four years of middle school (G-6 through G-9), followed by two years of high school (G-10 through G-11). From June 2016, the system was altered such that five-year-old primary school students were enrolled in kindergarten (KG), followed by four years of primary school from age six (G-1 through G-4), followed by four years of middle school (G-5 through G-8), and then by two years of high school (G-9 through G-10). At schools which do not offer education through G-8, grades G-5 through G-7 are known as Post Primary School. In general, schools which offer G-1 through G-8 are known as middle schools, while schools which offer G-1 through G-10 are known as high schools.

Age	Grade	Old System				Grade	Current System (from June 2016)			
5	1	Primary	Post Primary	Middle	High	KG	KG	KG	KG	
6	2					1	Primary	Post Primary	Middle	High
7	3					2				
8	4					3				
9	5					4				
10	6			5						
11	7			6						
12	8			7						
13	9			8						
14	10			9						
15	11			10						

Primary School Post-Primary School Middle School High School
 KG=Kindergarten

Figure 1-3 School System of Myanmar

Chapter 2 Tender / Supervision

2-1 1st Batch

(1) 1st Batch from Tender to Tender Opening

The process from tender announcement to opening for the 1st batch was conducted as follows.

- 1) Newspaper Announcement: March 11th, 2016 (11 lots, 47 schools)
- 2) Tender Documents on Sale: March 14th, 2016 (sets purchased: 187)
- 3) Tender Closing: March 31st, 2016 (100 companies submitted tenders, including multiple tenders)

The number of tenders submitted differed depending on the location of the lot. The number of tenders was highest for the easily-accessible Yangon (Lot-31), coming in at 23. However, few tenders were made for Chin State (Lot-27, Lot-28, and Lot-29) due to difficulty of access and poor public safety.

- 4) Tender Opening: April 22nd, 2016

Contractors who submitted tenders gathered at the Ministry of Education, and each company disclosed the value of its bid.

Table 2-1 No. of Tender Documents Purchased and No. of Contractors Submitting Tendern for the 1st Batch

1st Batch Tender (11 Lots, 47 Schools)

Lot	Buying Companies	Bidding Companies	Number of Schools
Lot-21	19	9	5
Lot-22	18	11	6
Lot-23	12	5	2
Lot-24	12	8	6
Lot-25	8	5	6
Lot-26	14	10	4
Lot-27	5	3	4
Lot-28	7	4	4
Lot-29	4	1	4
Lot-30	42	21	4
Lot-31	46	23	2
Total	187	100	47
Actual Bidding companies		84	

(2) Tender Evaluation

- After the disclosure of prices, the tenders were evaluated. The consultants reviewed specifications, quantities, costs, work periods, etc., and instructed the tenderers to revise their unit price to meet quality requirements for certain items (such as steel structures) where the quality instructions on the standard drawing were insufficient.
- The tenderers who placed the lowest bids for Lot-24 and Lot-25 doubled their tender prices after confirming the required quality and making changes to other parts not mentioned in the instructions, and so were rejected.
- The tenderer who placed the lowest bid for Lot-27 turned down the contract due to calculation errors

found after the tender.

- Lot-29 was suspended because the security and land problems made construction impossible.
- On Lot-30, the two top tenderers did not include kindergartens (KG) in their quotations, and so were rejected. Negotiations were held with the third-place tenderer but when doubts were raised concerning their construction capabilities and they were asked to submit additional documents proving their capability, they turned down the contract.
- On August 12th, 16th, and 25th, DBE concluded the construction contracts with contractors for 22 schools (6 lots; 20 schools in Chin, 2 schools in Yangon).

Table 2-2 Questionnaire for Evaluation of the Lowest Tenderer (General Question) 1st Batch

No.	Question and Requirement	Answer from Tenderer	
		Lot-21 Htet Arkar	Lot-22 Su Htoo San
1. Confirmation of Condition of School Site			
1)	Did you visit the school site and check the conditions?	Yes. (attached site photo)	Yes. Visited and checked. (attached site photo)
2)	Did you determine the road access conditions during the rainy season?	Yes.	Yes.
3)	Did you determine the condition of the ground around and under the building?	Yes.	Yes.
4)	Did you determine the layout of the school building? Are there any obstructions for construction?	Yes. (attached layout)	Yes. (attached layout)
2. Regarding the Bill of Quantities			
1)	How did you calculate the splice and anchorage lengths of the reinforcing bars?	Followed the standard splice and anchorage length in the sheet.	Followed the standard splice and anchorage length in the sheet.
2)	How did you calculate the stirrup lengths of the beams? The pitch spacing differs between the middle and end. (End 4”c/c, Middle 6” c/c)	Calculated as shown in the attached sketch.	Calculated as shown in the attached sketch.
3)	Please let us know the estimated thickness of the steel sections. Show us the thickness and unit weight of the steel section.	4”x2” 1.13kg/ft. (2 or 3mm) →Instructed thickness changed to 5 mm	4”x2” 1.13kg/ft (2 or 3mm) →Instructed thickness changed to 5 mm
4)	How did you consider and decide on the size of the footings? Do you plan to check bearing capacity of the ground?	An SPT test is planned.	An SPT test is planned.
3. Regarding the Construction Schedule			
1)	Did you prepare a construction schedule before bidding? Please submit your schedule within 1 week. Please make a schedule that shows the detailed sequence followed for each building.	See the attached schedule. (5.5 months for a 100’x30’, 2-storey classroom building)	See the attached schedule. (5.5 months for a 100’x30’, 2-storey classroom building)
2)	Did you prepare a material and manpower schedule? Did you consider diversions of temporary materials and workers? Please submit your plan within 1 week.	See the attached material delivery schedule.	See the attached material delivery schedule.
3)	Did you schedule in a proper preparation period before commencement of work? -Period for making and approving shop drawings. -Period for concrete material testing and approval. -Period for trial concrete mixing and confirmation.	Will prepare shop drawings within 1 month after contract. -Will perform concrete compression tests before concreting.	Will prepare shop drawings within 1 month after contract. -Will perform concrete compression tests before concreting.

No.	Question and Requirement	Answer from Tenderer	
		Lot-21 Htet Arkar	Lot-22 Su Htoo San
	-Period for rebar tensile test. -Period for soil bearing test.	-Will perform rebar tension tests at the WEG laboratory in Yangon. - Will arrange soil bearing tests.	-Will perform rebar tension tests at the WEG laboratory in Yangon. - Will arrange soil bearing tests.
4)	Did you schedule in the proper concrete curing period and remaining period for sheathing?	See the attached material. -The concrete curing period is 7 days. -The remaining period is shown in the attached sheet.	See the attached material. -The concrete curing period is 7 days. -The remaining period is shown in the attached sheet.
4. Site Organization and Site Representative			
1)	Please submit a site organization chart with the names of your staff members.	See the attached organization chart.	See the attached organization chart.
2)	Please submit the CV of your Site Representative. Please describe the work experience of your project manager and site manager in detail.	List of names only. No CV.	List of names only. No CV.
5. Safety Measures			
1)	Do you have an in-house safety manual and safety training program?	See the attached in-house safety manual.	See the attached in-house safety manual.
2)	Please submit a site safety organization chart with added details on the supporting system of the company.	See the attached safety organization chart.	See the attached safety organization chart.
3)	Please submit a disaster prevention plan for the protection of the students during construction.	Safety measures submitted.	Safety measures submitted.
4)	What kinds of safety gear do you consider using for your workers?	Safety helmets, safety belts, and safety shoes.	Safety helmets, safety belts, and safety shoes.
6. Company Data			
1)	Please submit a summary of your company's work experience over the past 5 years. -Name of Project -Outline of Project -Contract Amount -Construction Period -Address of Project	Submitted 11 project experiences. Civil engineering work only. No Building experience.	Submitted 45 project experiences. Building experience in 8 projects.
2)	Please indicate your total annual turnover for the past 5 years.	271,464 million Kyat	15,783 million kyat

The estimate and construction work for Lots-21 and 22 were conducted jointly by partner companies, so all of the content except the company data is the same.

(3) Contract Status for the 1st Batch

The total contract amount for the 1st batch is MMK2,907,435,000 In total 111 classrooms including kindergarten can be recovered. The details follow below.

Table 2-5 Outline of 1st Batch Schools and Number of Student Beneficiaries

Outline of 1st Batch Schools and benefited Student Number

Lot	State District	Township	Code	School name	School Building				KG Building			WC	HMr's House		Total Number Furniture(Set)	Recovery Schools	Contract Amount (million MMK)
					Classrooms	L(ft)	W(ft)	F	Classrooms	L(ft)	W(ft)	Booth	L(ft)	W(ft)			
21		Hakha	40	BEMS-Myahaung	6	100	30	2	3	60	30	4	20	26	62	12	251.990
			41	BEMS-Zakhwar	3	90	30	1					4		62		
			39	BEPS-Haitalan	4	120	30	1	3	60	30	4	20	26	26	7	75.010
			47	BEPS-Mannue	3	60	30	1					2		20	3	188.830
			44	BEPS-Mannue	3	60	30	1					2		20	3	61.490
			Total										190		325.330		
22		Hakha	46	BEPS-Lanhauk												Cancel	
			43	BEPS-Beohtoe	3	60	30	1				2		20	3	61.490	
			42	BEPS-Kharbe	3	60	30	1				2		20	3	61.490	
			45	BEPS-Lonhnan	3	60	30	1				2		20	3	61.490	
			38	BEHS-3	12	140	30	3	3	60	30	8+4	20	26	501	15	404.920
			Htantlang	15	BEMS(Branch)-Htan Au	3	90	30	1	3	60	30	4	20	26	47	6
			Total										608		740.320		
23	Falam	25	BEPS-Theeli	3	60	30	1				2		20	3	61.269		
		24	BEPS-Tari	3	60	30	1				2		20	3	61.269		
		Total											40		122.538		
26	Mindat	26	BEHS(Branch)-Aukchyaing												Cancel		
		29	BEPS-Khuhlu	3	60	30	1	3	60	30	2	20	26	20	6	114.320	
		27	BEMS-Ro													Cancel	
		28	BPPPS-Chaing	3	90	30	2	3	60	30	2	20	26	20	6	138.130	
		Total												40		252.450	
28	Paletwa	23	BEPS-Wunchaungwa	3	60	30	1	3	60	30	2	20	26	22	6	132.580	
		16	BEMS(Branch)-Bohdagama	4	120	30	1	3	60	30	4	20	26	61	6	185.740	
		22	BEPS-Wehaung	3	60	30	1	3	60	30	2	20	26	26	6	132.730	
		21	BEPS-Ponedaw													Cancel	
		Total												109		451.050	
31	Yangon	N.Okkalapa	442	SPS-(16)	5	100	30	1	3	60	30	4	20	26	20	8	115.615
		Htantabin	441	SPS-Ywar Thit	6	120	30	1	3	60	30	2	20	26	25	9	119.992
		Total												45		235.607	
Recover School * KG		Benefit Student Number				Recovered Classrooms		Contract Amount									
KG		11				343		33		incl. below							
Chin State	Primary	11 (G1 to G4)				502		38		912.495							
17 schools	Post Primary	1 (G1 to G7)				243		3		138.130							
Yangon	Middle School	6 (G1 to G8)				1,028		25		984.920							
2 schools	High School	1 (G1 to G10)				1,574		12		404.920							
Total		19 Code No.40 & 41 are counted 2 schools.				3,690		111		2,440.465							

(4) Monthly Progress Meetings for 1st Batch

DBE, Consultant and the contractors for the 1st batch convened for a meeting in Nay Pyi Taw every month to discuss the following matters. (From January 2017 and onward meeting contents for the 1st batch are recorded in the table for the 2nd batch)

Table 2-6 1st Batch Monthly Meeting Contents

Date	Attendance	Contents
September 30, 2016	6 companies	Determined that the schools were to be constructed according to the contract drawings. Explained the procedure for submitting monthly progress reports with photos. Explained the payment procedure: to be carried out after the school Headmaster, the TEO and Township Engineer signs. Confirmed the progress at each lot and issues.
November 1, 2016	6 companies	Issued the monthly report form. Confirmed the progress at each lot and issues.
November 29, 2016	5 companies Absence: Lot-28	Confirmed the progress at each lot and issues. Confirmed the effects of the rainy season on each lot.
December 27, 2016	6 companies	Determined that the schools were to be constructed according to the contract drawings. Instructed the participants to report to each TEO. Confirmed the progress at each lot and issues.

Date	Attendance	Contents
		<p>Instructed the participants about the hooks of the column head rebar (issued a sketch).</p> <p>Determined that inspections were to be done by the TEO, Township Engineer, and headmaster at each school.</p> <p>Instructed the participants that sand was to be filled under the slabs on grades. Explained the method and procedure for erecting the steel trusses.</p> <p>Discussed the cost for reclamation of Code No.39 in Lot-22.</p> <p>Discussed the road repair problem for Lot-26.</p> <p>Discussed the lack of ability and effort of the Lot-28 contractor.</p>

(5) Improvement of DBE's Tender Document

The survey team improved the following items in the tender documents before the 2nd batch tender.

Table 2-7 Improvements in DBE's Tender Document

	Item Changed	1 st Batch	2 nd Batch	Reason for the Change
1)	Cover of the tender document	JICA's name was not filled in	Filled in JICA's Name.	The face/role of Japan did not appear on the 1 st batch document.
2)	Instructions to the Tenderer	DBE normal condition	<p>Additional note:</p> <p>Clause 7) The tenderer shall visit and check the site conditions before the tender.</p> <p>Clause 9) The cost of the retaining wall shall be included in the tender, if necessary.</p> <p>Clause 10) A proposed construction schedule that considers the weather conditions and site access shall be submitted in the tender.</p> <p>Clause 11) A tenderer who provides no submission form shall be disqualified from the tender.</p> <p>Clause 12) Obligation to submit a rebar and concrete testing report.</p>	<p>Clause 7) Some contractors claimed additional costs for transportation after contracting due to bad road conditions.</p> <p>Clause 9) Because DBE does not perform site checks.</p> <p>Clause 10) Construction periods cannot be fixed at tender negotiations.</p> <p>Clause 11) The tenderer does not understand the tender proposal.</p> <p>Clause 12) For quality assurance based on the BBB principles.</p>
3)	Facilities list of each lot	<ul style="list-style-type: none"> The number of classrooms was not entered in the list. The types of furniture were not classified in the 	<ul style="list-style-type: none"> Fill in the number of classrooms for each type of building. Furniture is to be listed separately for elementary 	<ul style="list-style-type: none"> The contractor made a mistake in counting the number of classrooms. The cost of furniture varies by type.

	Item Changed	1 st Batch	2 nd Batch	Reason for the Change
		list.	schools and Junior high schools.	
4)	Tender summary sheet-1	<ul style="list-style-type: none"> The numbers of classrooms were not entered in the sheet. The types of furniture were not classified in the sheet. 	<ul style="list-style-type: none"> Fill in the number of classrooms for each type of building. Furniture shall be listed separately for elementary schools and Junior high schools. 	<ul style="list-style-type: none"> The contractor made a mistake in counting the number of classrooms. The cost of furniture varies by type.
5)	Tender summary sheet-2	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> Add a summary sheet that gives a breakdown of each building. 	<ul style="list-style-type: none"> Some tenderers forgot the KG estimation in the 1st batch tender. There were no failed tenderers in the 2nd batch tender.
6)	Tender Form	None	Cover of Tender Form A-1 Master Construction Schedule A-2 Detailed Construction Schedule B-1 List of Engineers B-2 Proposed Site Organization Chart B-3 List of Tenderer's Equipment B-4 Annual Turnover and Financial Report B-5 List of Experiences with Similar Construction Work	DBE did not confirm the tenderers' abilities or financial backgrounds in the tender. It is important to confirm a tenderer's ability from the viewpoint of the BBB principles.
7)	Particular Specification	DBE standard particular specification	No change	
8)	Structural Particular Specification (General Structure Note)	None	<ul style="list-style-type: none"> Confirm the soil-bearing capacity Confirm Benchmarks Backfilling and compaction Concrete compression test Water-cement ratio Concrete curing Remaining period for sheathing Concrete coverage for rebar Concrete material test Fresh concrete test Rebar tension test, etc. 	No definitions are given for the quality of structures in the DBE standard specification. Set the minimum requirements according to the BBB principles after discussion with the Myanmar Engineering Society.
9)	Bill of quantities	DBE standard form	No change	

	Item Changed	1 st Batch	2 nd Batch	Reason for the Change
10)	Drawing list for each lot	None	Made a drawing list for each lot.	It was difficult to determine if drawings were missing from the tender documents (because no drawing list was provided).
11)	Cover sheet for each type of building	DBE standard	No change	
12)	Drawing list for each type of building	None	Made drawing lists. (A) Architectural drawing (S) Structural drawing (E) Electrical drawing	It was difficult to determine if drawings were missing from the tender documents (because no drawing list was provided).
13)	Each drawing	<ul style="list-style-type: none"> The drawing numbers were not in order. (60'x30' One Storey) 1/16, 2/16, 3/16, 4/16.....1/16, 12/16, ⑩, ○, A/16, 23 Architectural drawings, structural drawings, and electrical drawings were also out of order. No titles were provided for the drawings. 	<ul style="list-style-type: none"> Ordered the drawing numbers as follows: A1-A9 S1-S6 E1 Filled in the titles of the drawings. 	<ul style="list-style-type: none"> It was difficult to determine if drawings were missing from the tender documents (because the numbers were not in order). It was difficult to confirm if any of the necessary drawings were missing (because they were arranged at random).
14)	Toilet drawings	Dimension were not entered in the septic tank drawing for the 2-booth toilet.	Made a new septic tank drawing for the 2-booth toilet with clear indications of the dimensions.	For proper estimation at tender.
15)	Furniture drawings	No drawings were provided for single chairs.	Attached a photo of the chair to the drawing (because DBE was considering a ready-made chair).	For proper estimation at tender.

2-2 2nd Batch

(1) 2nd Batch from Tender to Tender Opening

The process from tender announcement to opening for the 2nd batch was conducted as follows.

- Newspaper Announcement: July 27th, 2016 and July 29th, 2016 (20 lots, 67 schools)
- Tender Documents on Sale: August 30th, 2016 (sets purchased: 341)
- Tender Closing: September 29th, 2016 (154 companies submitted tenders, including multiple tenders)
- Tender Opening: October 6th, 2016

Contractors who submitted tenders gathered at the Ministry of Education, and each company disclosed the value of its bid.

- 154 companies submitted tenders for 20 lots and 67 schools.

Table 2-8 No. of Tender Documents Purchased and No. of Contractors Submitting Tenders for the 2nd Batch

2nd Batch Tender (20 lots, 67 Schools)

Lot	Buying Companies	Bidding Companies	Number of Schools
Lot-32	31	22	4
Lot-33	14	8	2
Lot-34	19	13	4
Lot-35	10	6	2
Lot-36	22	10	1
Lot-37	16	9	2
Lot-38	11	7	2
Lot-39	6	3	3
Lot-40	23	13	3
Lot-41	18	9	5
Lot-42	14	5	5
Lot-43	15	7	2
Lot-44	15	10	2
Lot-45	11	3	2
Lot-46	49	11	6
Lot-47	8	4	4
Lot-48	41	7	6
Lot-49	5	2	3
Lot-50	5	3	4
Lot-51	8	2	5
Total	341	154	67

(2) Tender Evaluation

From October 10th, the week after tender opening, a consultant evaluated the tenders, and submitted the results of the evaluation to the DBE department head and the JICA Myanmar office. (Attachment 7. Refer to 2nd batch tender evaluation)

Points of future consideration which were noticeable in the tender evaluations are listed below.

- Eight contractors purchased estimates from an estimate company, and knew nothing of the contents of their own tenders. These contractors lacked the ability to come up with an estimate, and there was concern that they did not even check which materials were specified in the tender documents. There is also a strong possibility that they did not check the construction location, and therefore lacked an understanding of the issues associated with each site.
- The DBE/JICA side had few choices of contractors who bid on lots for which few tenders were submitted, so the technical inspection had to be particularly thorough. Unpopular lots for which few bids were submitted posed problems with materials transport, etc., so experienced contractors avoided bidding on these lots.
- During the technical inspection, the workflow chart contents must be carefully scrutinized. Contractors who cannot create a workflow chart with an appropriate work period have little workflow management ability, and therefore pose a high possibility of construction delays.
- Contractors that received a poor technical evaluation were generally also poor at document creation, and often did not submit monthly progress reports.

- The DBE called on experts from Yangon and Mandalay to help with the evaluations, and conducted tender evaluations independently, but mainly focused on the value of each bid. The DBE did nothing beyond eliminating contractors who placed tenders below the minimum value, and did not conduct an inspection of the tenderers' work management abilities. By this evaluation method, there is concern that contractors with poor work management ability will be selected. The construction problems which arose in the 1st and 2nd batches were due to the contractors' lack of work management ability.

In the future, a method must be adopted whereby a prequalification inspection is conducted prior to tender, and only contractors that pass this inspection are allowed to submit tenders.

(3) 2nd Batch Contract Status

Contract statuses for orders in the 2nd batch are shown below, coming to a total of 9.65471 billion kyat. The number of classrooms constructed was 420 (including 51 preschool classrooms).

Among the 67 schools for which tenders were made up until February 10th, 2017, three schools were canceled, while contracts were concluded for 64 schools. However, following this, one school was added while contracts for a further two schools were canceled, so ultimately, the 2nd batch consisted of 63 schools in total.

The process by which the contracts were canceled and schools were added is shown below.

(Pre-contract) February 2017

- Lot-46: The school was already under construction using funding from another donor, so the contract for school code No. 469 was canceled.
- Lot-51: A site could for school construction could not be secured, so the contracts for school codes No.8 and No.10 were canceled.

(During construction)

- Lot-46: School code No. 463 was added to the contract list to replace code No. 469. (April 2017)
- Lot-48: The contract for school code No. 103 was canceled due to a decline in public safety in the area. (April 2017)
- Lot-48: The contract for school code No. 148 was canceled due to blocked access to the site. (July 2017)

Table 2-9 Contract Status of 2nd Batch (February 22, 2017)

Lot No.	State Region	Township	Number of Schools	Name of Contractor	Tender Amount (Million MMK)	Contract Amount (Million MMK)	Date of Contract	Revised Amount (Million MMK)	Remarks
32	Rakhine	Sittwe	4	Hlaing Myint Mo Tun	611.320	611.320	28-Dec-16	611.320	
33	Rakhine	Ponna gyun	2	Shwe La La Win	688.000	688.620	10-Jan-17	688.620	
34	Rakhine	Ponna gyun	4	Yoe Ma Ahla	532.028	532.000	18-Jan-17	532.000	
35	Rakhine	Pauk Daw	2	Shwe La La Win	630.000	630.000	2-Jan-17	630.000	
36	Rakhine	Rathedaung	1	Byar La Thu Kha	693.500	692.900	9-Dec-16	692.900	
37	Rakhine	Rathedaung	2	Saw Lin Tun	550.990	542.740	24-Jan-17	542.740	
38	Rakhine	Rathedaung	2	Byar La Thu Kha	572.390	572.300	9-Dec-16	572.300	
39	Rakhine	Rathedaung	3	Paing Tun	485.560	482.190	28-Dec-16	482.190	
40	Rakhine	Maruk-U	3	Max Trust	469.230	457.560	3-Jan-17	457.560	
41	Rakhine	Kyauk-Daw	5	Arrakha Myay	673.790	664.000	24-Jan-17	664.000	
42	Rakhine	Minbya	5	Arrakha Myay	649.880	678.550	24-Jan-17	678.550	
43	Rakhine	Maung Daw	2	King Thar	394.520	384.840	13-Dec-16	384.840	
44	Rakhine	Maung Daw	2	Sai Din Arr Man	304.390	297.760	11-Jan-17	297.760	
45	Rakhine	Kyauk-Phyu Man Aung	2	Shwe Kyun Thandar	238.770	235.280	23-Jan-17	235.280	
46	Ayawady	Ngapudaw Zalun Thabaung Danubyu	6	Soe Moe Yadanar	380.480	357.790	10-Feb-17	405.040	Code.469 canceled after Tender. Code 463added on April 2017.
47	Chin	Matupi	4	Royal Aung Hein Kyaw	342.107	339.720	2-Jan-17	339.720	
48	Bago(N) Magway Mandalay	Latpadan Sidoktaya Naung-U Moegyoke	4	Sky Wings	414.860	414.840	6-Jan-17	279.240	Code 103 canceled on April 2017. Code 148 canceled on July 2017.
49	Chin	Tomzan	3	Chin Hill Sun	210.080	200.220	10-Jan-17	200.220	
50	Chin	Tidem	4	Soe Moe Yadanar	407.230	407.200	18-Jan-17	407.200	
51	Chin	Tidem	3	Thein Phyu Tun	668.100	464.880	10-Feb-17	464.880	Code 8 and 10 canceled.
Total			63		9,917.225	9,654.710		9,566.360	

Table 2-11 Students Number of 2nd Batch Schools (After Disaster)

[After Disaster]		Grade (June 2015)																			Student Number	
Lot	State Region	Township	Code	School Name	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total	Total					
					Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total					
32	Sittwe	218	BEHS(6)-Sittwe							138	152	162	178	199	212	212	1,041					
		219	BEHS(9)-Mingan	110	166	106	102	116	221	225	231	268	249	199	199	1,993						
		225	BEHS(Branch)-Thinbonedan	25	44	56	64	38	73	73	44	77		70	48	612						
		230	BEPS-Mingan(14)	22	25	18	16	13								94						
			Total														3,740					
33	Ponna gyun	240	BEHS-Foesheppin	43	44	28	26	37	64	81	205	153		152	119	952						
		245	BEHS(Branch)-Kywedunlung	30	21	19	16	23	17	9	20	26				181						
			Total														1,133					
34	Ponna gyun	235	BEHS(Branch)-Myoma	28	40	32	45	32	30	34	74	69	63	53	500							
		249	PPS-Kyaukseik	62	83	87	54	52	40	31					409							
		252	PPS-Dparyone	16	30	22	25	47	36	33	48	17			274							
		261	BEPS-Kanthaungkyi	11	8	10	16	6							51							
			Total														1,234					
35	Pauk Daw	404	BEHS(Branch)-Myint Gar	21	17	31	19	22	53	71	65	81	133	203	716							
		405	BEHS(Branch)-Thayye Kan	20	44	38	26	20	61	62	64	59	37	28	459							
			Total														1,175					
36	Rathedaung	310	BEHS(Branch)-Myot Ma	40	61	50	47	42	96	97	104	124	168	164	993							
			Total														993					
37	Rathedaung	312	BEHS-Ku Taung	51	79	71	72	83	116	114	109	102	131	137	1,065							
		318	BEHS-Rathedaung	38	61	50	48	41	96	97	104	124	168	163	990							
			Total														2,055					
38	Rathedaung	313	BEHS-Satin Pyint	29	45	40	32	46	88	78	95	146	125	111	835							
		343	PPS-Oh Phauk	71	74	62	73	44	40	23	18	15			420							
			Total														1,255					
39	Rathedaung	319	BEHS-Laung Chaung	81	16	17	19	19	66	76	112	105	168	135	814							
		349	BEPS-Kyein Tan	4	4	5	3	7							23							
		369	BEPS-Thet Pyay Kya	14	24	17	11	10							76							
			Total													913						
40	Maruk-U	407	BEMS(3)-Mrauk-U						42	38	77	82	39	37	315							
		408	PPS-Par Taw	22	24	13	20	18	26	11	5	12			151							
		412	BEPS-Payaygyi	13	7	6	8	8							42							
			Total													508						
41	Kyaik-Daw	380	BEHS(Branch)-Myot Ma	36	35	43	42	50	96	101	129	105	112	91	840							
		381	BEHS-Kan Saut	18	38	64	37	61	60	103	124	158	104	835								
		388	PPS-Bayawar	8	13	19	20	18	26	19					123							
		394	BEPS-Tout Ley Min Tan	0	5	7	3	2							17							
		401	BEPS-Thaung Chaung	11	10	10	10	15							56							
			Total													1,871						
42	Minbya	283	Ma-Anyun Taung	7	11	7	10	12							47							
		293	PPS-Thit Pouk Taung	26	61	72	54	59	47	32	23	20			394							
		297	BEPS-Kywe Naparzae	14	19	13	12	9							67							
		301	BEPS-Sakayae	27	15	42	22	26	24						156							
			303	BEPS-Pyayae Chaung	42	35	21	19	0	18	14			149								
			Total												813							
43	Maung Daw	413	BEHS(Branch)-(1)						45	95	314	387	513	258	1,612							
		432	PPS-Byuhar Gone	1	5	3	2	7	28	30	26				102							
			Total													1,714						
44	Maung Daw	420	BEHS-Kyein Chaung	187	259	147	146	84	162	129	146	201	180	116	1,757							
		422	BEHS-Maungdaw	201	219	176	260	191	183	164	359	341	281	142	2,517							
			Total														4,274					
45	Kyaik-Pyay	216	BEPS-Kyaukyipin	16	25	18	27	25	22	27	17	25			202							
		306	BEMS(Branch)-Pyin Kaw	11	10	12	9	11	12	11	16	6			105							
			Total														307					
46	Ayawady	450	BEMS(Branch)Dat Taw Gone	13	15	6	6	8	9	7	7	6			77							
		452	BEPS-May Done	9	6	16	9	6							46							
		477	BEPS(Branch)Me Changawng	5	7	2	4	1							19							
		489	BEPS-Thar Baung	45	58	40	37	42							222							
		453	BEPS-Kyar Kyun	21	19	8	11	6							65							
		463	BEPS-Aye Ywar	4	8	1	7	5							25							
			Total													454						
47	Chin	30	BEPS(Branch)Shar Taline	0	21	12	8	7	10	4	4	3			69							
		35	BEPS-Kay Lone	12	15	14	6	7	3	10					67							
		36	BEPS-Ngalar	2	3	6	6	4							21							
		37	BEPS-Taung Bu	0	3	3	5	0							11							
			Total													168						
48	Mawlaik	103	PPS-Kyauk Aine														Cancel					
		135	PPS-Aout Pone	16	13	10	11	14	18	21	12	12			127							
		146	pps-saein	25	21	15	23	26	19	19					148							
		147	SHS(Branch)-Bawpadan	18	17	11	13	29	76	68	80	57	82	58	509							
		148	BEPS- Nartesan													Cancel						
			149	BEPS-Thone gyun	3	4	3	2	7					19								
			Total													803						
49	Chin	12	BEMS(Branch)-Tweekainzan	8	23	11	11	7	16	10	11	2			99							
		13	BEPS- Khamzan	9	15	13	14	4						55								
		14	BEPS- Thartzan	9	4	5	4	4							26							
			Total													180						
50	Chin	4	BEMS(Branch)-Fire	36	21	33	25	20	24	20	6	12			197							
		5																				
		11	BEPS- Maunglang	11	7	4	4	4							30							
		48	BEPPS- Dainloc	21	27	20	12	12	7	5					104							
			Total													331						
51	Chin	6	BEPPS-Gaungmual	16	22	17	13	9	11	8					96							
		7	BEPPS-Tweesauk	19	19	14	16	15	12	10	7	5			117							
		8	BEPS-Kagin													Cancel						
		9	BEPS-Swangdot	6	3	4	4	6							23							
		10	BEPS-Himzan													Cancel						
			Total													236						
																	2nd Batch Total	24,157				

Table 2-12 Outline of 2nd Batch Facilities and Contract Amount

Outline of 2nd Batch Facilities and Contract Amount

Lot	Region/ State	Township	Code	School Name	Classroom			BLDG Size(feet)			WC Booth	HM House		Furniture (Sets)	Recovered Classroom	Contract Amount (Mil. MMK)	
					Classroom	L	W	F	L	W		L	W				
32	Rakhine	Sittwe	218	BEHS(6)-Sittwe	8	144	30	2			4		240	8	184,050		
			219	BEHS(9)-Mingan	12	204	30	2			4		360	12	278,230		
			225	BEHS(Branch)-Thinbonedan	4	120	30	1			4	20	26	120	4	104,290	
			230	BEPS-Mingan(14)	3	60	30	1			2			60	3	44,750	
				Total								780		611,320			
33	Ponna gyun	240	BEHS-Poeshepyin	12	204	30	2	3	60	30	4	20	26	360	15	373,750	
		245	BEMS(Branch)-Kywelanchaung	12	102	30	2x2			4	20	26	360	12	314,870		
				Total								720		688,620			
34	Ponna gyun	235	BEHS(Branch)-Myoma	4	120	30	1			4		120	4	80,870			
		249	PPS-Kyaukseik	8	132	30	2			2		240	8	197,740			
		252	PPS-Dparyone	8	92	30	2			2	20	26	240	8	157,040		
		261	BEPS-Kanhtaungkyi	6	120	30	1			2	20	26	50	6	96,350		
				Total								650		532,000			
35	Pauk Daw	404	BEHS(Branch)-Myint Gar	12	204	30	2	3	60	30	4	20	26	360	15	362,060	
		405	BEHS(Branch)-Thapvae Kan	8	144	30	2	3	60	30	4	20	26	240	11	267,940	
				Total								600		630,000			
36	Rathedaung	310	BEHS(Branch)-Myot Ma	24	144	30	2x3	3	60	30	4	20	26	720	27	692,900	
				Total								720		692,900			
37	Rathedaung	312	BEHS-Ku Taung	8	144	30	2	3	60	30	4	20	26	240	11	271,370	
		318	BEHS-Rathedaung	8	144	30	2	3	60	30	4	20	26	240	11	271,370	
				Total								480		542,740			
38	Rathedaung	313	BEHS-Satin Pyint	12	204	30	2	3	60	30	4	20	26	360	15	356,500	
		343	PPS-Oh Phauk	8	72	30	2x2			2			240	8	215,800		
				Total								600		572,300			
39	Rathedaung	319	BEHS-Laung Chaung	8	144	30	2	3	60	30	4	20	26	240	11	274,530	
		349	BEPS-Kyein Tan	4	72	30	2			2			40	4	105,520		
		369	BEPS-Thet Pyav Kya	4	72	30	2			2			60	4	102,140		
				Total								340		482,190			
40	Maruk-U	407	BEMS(3)-Mrauk-U	4	120	30	1	3	60	30	4	20	26	120	7	152,210	
		408	PPS-Par Taw	8	144	30	2			2	20	26	180	8	214,480		
		412	BEPS-PayarGyi	6	120	30	1			2			50	6	90,870		
				Total								350		457,560			
41	Kyauk-Daw	380	BEHS(Branch)-Myot Ma	8	144	30	2			4		240	8	215,770			
		381	BEHS-Kan Saut	4	120	30	1			4	20	26	120	4	106,590		
		388	PPS-Bayawar	4	60	30	1x2	3	60	30	2	20	26	120	7	147,820	
		394	BEPS-Tout Ley Min Tan	6	120	30	1			2			50	6	89,840		
		401	BEPS-Tham Chaung	6	120	30	1			2	20	26	60	6	103,980		
				Total								590		664,000			
42	Minbya	283	Ma-Anyun Taung	6	120	30	1			2		30	6	89,790			
		293	PPS-Thit Pouk Taung	8	120	30	2			2	20	26	240	8	197,280		
		297	BEPS-Kywe Naparzue	6	120	30	PLG			2	20	26	60	6	127,660		
		301	BEPS-Sakayae	6	60	30	1			2	20	26	100	6	134,440		
		303	BEPS-Pyaing Chaung	6	120	30	PLG			2	20	26	100	6	129,380		
				Total								530		678,550			
43	Maung Daw	413	BEHS(Branch)-(1)	10	204	30	2			4	20	26	300	10	275,290		
		432	PPS-Byuhar Gone	4	72	30	2			2			120	4	109,550		
				Total								420		384,840			
44	Maung Daw	420	BEHS-Kyein Chaung	8	144	30	2			4		240	8	213,720			
		422	BEHS-Maungdaw	3	90	30	2			4	20	26	90	3	84,040		
				Total								330		297,760			
45	Kyauk-Phyu Man Aung	216	PPS-Kyaukkyipin	4	72	30	2			2		150	4	118,720			
		306	BEMS(Branch)-Pvin Kaw	4	120	30	1			4			90	4	116,560		
				Total								240		235,280			
46	Ayawady	Ngapudaw	450	BEMS(Branch)Dat Taw Gone	2	60	30	1			4		90	2	47,040		
		Zalun	452	BEPS-May Done	6	120	30	1			2		50	6	82,310		
		Thabaung	477	BEPS(Branch)-Mit Chaungaung	3	60	30	PLG			2		40	3	47,890		
		Danubyu	489	BEPS-Thar Baung	3	90	30	PLG			2	20	26	100	3	72,800	
		Hinthada	453	BEPS-Kyar Kyun	6	120	30	1			2		50	6	107,750		
			463	BEPS-Aye Ywar	3	60	30	1			2		40	3	47,250		
				Total								370		405,040			
47	Chin	Matupi	30	BEPS(Branch)Shar Taline	4	120	30	1			4		120	4	131,200		
			35	BEPS-Kay Lone	3	60	30	1			2		20	3	69,340		
			36	BEPS-Ngalar	3	60	30	1			2		50	3	69,840		
			37	BEPS-Taung Bu	3	60	30	1			2		40	3	69,340		
				Total								230		339,720			
48	Mandalay	Bago(N)	Latpadan	103	PPS-Kyauk Aine	4	120	30	PLG		2	20	26			Cancel	
		Magway	Sidoktaya	135	PPS-Aout Pone	3	90	30	PLG		2			90	3	61,340	
		Naung-U	146	pps-saelan	2	60	30	1	3	60	30	2	20	26	30	5	86,950
		Moegyoke	147	SHS(Branch)-Bawpadan	2	60	30	1	3	60	30	4	20	26	30	5	88,380
		Naung-U	148	BEPS- Nartesan	3	60	30	1			2						Cancel
	149	BEPS-Thone gyun	3	60	30	1			2			20	3	42,570			
				Total								170		279,240			
49	Chin	Tomzan	12	BEMS-(Branch) -Tweekainzan	2	60	30	PLG		2		50	2	68,750			
			13	BEPS- Khantzan	3	60	30	1		2		20	3	65,560			
			14	BEPS- Thartzan	3	60	30	1		2		20	3	65,910			
				Total							90		200,220				
50	Chin	Tidem	4	BEMS-(Branch) -Fire	2	60	30	1	3	60	30	4	20	26	75	5	140,080
			5	BEPS- Maunglang	2	60	30	1			4			75	2	64,850	
			11	BEPS- Maunglang	3	60	30	1			2	20	26	20	3	138,320	
			48	BEPPS- Dainloe	2	60	30	1			4			30	2	63,950	
				Total								200		407,200			
51	Chin	Tidem	6	BEPPS-Gaungmual	3	60	30	1	3	60	30	2	20	26	39	6	163,290
			7	BEPPS-Tweesauk	3	60	30	1	3	60	30	2	20	26	38	6	163,270
			8	BEPS-Kagin	3	60	30	1	3	60	30	2	20	26			Cancel
			9	BEPS-Swaungdot	3	60	30	1	3	60	30	2	20	26	20	6	138,320
			10	BEPPS-Htinzan	3	60	30	1			2	20	26				Cancel
				Total								97		464,880			

The number of schools, student beneficiaries and classrooms established in the 2nd batch, as well as the contract amount is shown below.

<u>Recovered Schools/KG</u>		<u>Student Beneficiaries Number</u>	<u>Recovered Classrooms</u>	<u>Contract Amount</u>
KG	16	1,664	51	Including below
Primary	21 (G1 to G4)	815	95	1,798.760
Post-Primary	9 (G1 to G7)	1,140	45	1,102.460
Middle High	14 (G1 to G8)	2,129	70	2,011.280
High School	19 (G1 to G10)	18,409	159	4,653.860
Total	63 Code No.4, 5 are counted 2 schools	24,157	420	9,566.360

Recovered Area & Schools: Rakhine State: 39 schools, Chin State: 14 schools, Ayeyarwady Region: 6 schools, Mandalay Region: 3 schools, Magway Region: 1 school

(5) Monthly Progress Meetings for 2nd Batch (Includes 1st Batch after January 2017)

The first monthly meeting for the 2nd batch was held at the DBE in Nay Pyi Taw on January 23rd, 2017, and was attended by a total of 16 contractors.

Table 2-13 Monthly Progress Meeting for 1st Batch & 2nd Batch

Date	Attendance	Content
January 23, 2017	16 companies	Determined that the schools were to be constructed according to the contract drawings. Explained the procedure for submitting monthly progress reports with photos. The Code No.469 school was to be constructed by Asia World. The contractor could not construct at Lot-51, -8 and -10 because the locations had not been decided.
February 27, 2017	22 companies	Confirmed the progress at each lot and issues. (U Zaw Win, DDG) Explained the quality requirements of DBE to the contractors.
April 4, 2017	20 companies	Confirmed the progress at each lot and issues.
May 2, 2017	20 companies	Confirmed the progress at each lot and issues. DBE explained the Water System to the contractors. YEC instructed the contractors on the painting for doors and windows (in consideration of the quality problem at Lot-31).
May 30, 2017	12 companies	Confirmed the progress at each lot and issues. YEC provided the Inspection Sheet for School Building to all contractors and explained the details of quality control at the sites.
July 4, 2017	18 companies	Confirmed the progress at each lot and issues. DBE instructed all contractors on problems with the furniture and stairs at some of the completed sites. YEC instructed all contractors to use specified materials according to the drawings (rebar, steel, doors and windows).
August 2, 2017	20 companies	Confirmed the progress at each lot and issues. DBE instructed all contractors that the contractors could only apply time extensions after obtaining approvals from the TEO and headmaster. YEC instructed the contractors on properly photographing the progress of their work.
August 31, 2017	18 companies	Confirmed the progress at each lot and issues. DBE again explained the procedure for obtaining time extensions. YEC instructed the contractors on the quality control points for finishing work.
October 17, 2017	14 companies	Confirmed the progress at each lot and issues.

Date	Attendance	Content
December 14, 2017	18 companies	Confirmed the progress at each lot and issues. The Lot-43 contractor resumed site work. The Lot-42 contractor reported a transportation issue. The Lot-46 contractor commenced work at the Code No.463 site.
January 17, 2018	18 companies	Confirmed the progress at each lot and issues. The Lot-43 and -44 contractors suspended site work due to security problems in Rakhine. Work at the Lot-45 site was delayed due to difficulties with river transportation.
February 23, 2018	7 companies	Confirmed the progress at each lot and issues. A hearing was held on the expected completion date.
March 13, 2018	5 companies	Confirmed the progress at each lot and issues. The Lot-28 contractor once again appeared without bringing a monthly report. Lot-47 will be completed at the end of April. Lot-48 will be completed at the end of March.

2-3 3rd Batch

After the 2nd batch was finalized in December 2016, we repeatedly requested DBE to select target schools for the 3rd batch and promoted implementation. The Working Committee Meeting agreed on the target schools on November 26, 2016. The exchange rate then was fixed at 10.08. Sixteen schools were selected as target schools and those accessible in Rakhine State were studied.

Table 2-14 List of 16 Schools for the 3rd Batch

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
No	Region/ State	Township	School Name	Code	Size Storey	Number Of classroom	Amount of School BLDG	KG 60'x30' RC	WC	Furniture	Home of Headmaster	Water System	total Budget (million)	Remarks	Number of Students			
								Booth	Amount	Qty	Amount	Qty	Amount					
1	Rakhine	Ponnagyun	SHS- Yoetayote	241	144'x30' RCC 2	8	224.640		4	5.000	160	8.00	1	12.48	1.00	251.120		1,658
2	Rakhine	Minbya	SMS Branch - Aiwan	272	120'x30' RCC1	4	93.600		4	5.000	80	4.00	1	12.48	1.00	116.080		292
3	Rakhine	Minbya	SMS Branch- Athaykarla	275	60'x30' PI 6RCC1'	2	50.400		4	5.000	40	2.00			1.00	58.400		239
4	Rakhine	Minbya	Ma-Pwint Htee	280	100'x30' RCC1	5	78.000		4	5.000	100	5.00			1.00	89.000		25
5	Rakhine	Minbya	SPS-Nga/Tar	300					2	2.500			1	12.48	1.00	15.980		57
6	Rakhine	Rathedaung	SHS(Branch)-Zeegaing	308	144'x30' RCC 2	8	224.640		4	5.000	160	8.00			1.00	238.640		525
7	Rakhine	Rathedaung	SHS(Branch)-Yan Aung Pyin	311	120'x30' RCC1' (2)Building	10	187.200		4	5.000	200	10.00	1	12.48	1.00	215.680	PSL, MS1, HS Building	533
8	Rakhine	Rathedaung	SMS(Branch)-Lay Kan	323	120'x30' RCC1	4	93.600		4	5.000	80	4.00	1		1.00	116.080		242
9	Rakhine	Rathedaung	SMS(Branch)-Aung Sae Gone	324	120'x30' RCC 1	4	93.600		4	5.000	80	4.00	1	12.48	1.00	116.080		391
10	Rakhine	Rathedaung	SMS-Kut Chaung	325	120'x30' RCC1'	4	93.600		4	5.000	80	4.00		12.48	1.00	103.600		407
11	Rakhine	Kyauktaw	SHS-A Pauk Wa	383	144'x30' RCC 2	8	224.640		4	5.000	220	11.00	1		1.00	300.920		1,500
12	Rakhine	Kyauktaw	SMS(Branch)-Na Gu May	384	144'x30' RCC 3	8	224.640		4	5.000	160	8.00	1	12.48	1.00	251.120		520
13	Rakhine	Kyauktaw	PPS-Taung Min Kalar	387	120'x30' RCC 1	4	93.600		4	5.000	140	7.00		12.48	1.00	155.200		250
14	Rakhine	Kyauktaw	SPS-Nget Pyay Chaung	393	120'x30' RCC 1	6	93.600		4	5.000	120	6.00			1.00	105.600		80
15	Rakhine	Kyauktaw	SPS-Pauk Lay Taung	395	120'x30' RCC 1	6	93.600		4	5.000	120	6.00			1.00	105.600		40
16	Rakhine	Kyauktaw	SPS-Yin Dar	397	60'x30' RCC 1	3	46.800		2	2.500	60	3.00			1.00	53.300		100
Total							1,916.160		60	75.000			8	99.840	16.00	2,292.400		

The DG of DBE changed in January 2017, and Dr. Khine Myae was appointed as the new DG on the 18th of that month. However, due to the handing over process taking time, school selection work was delayed for a while. Dr. Khine Myae attended his first WC on February 6th, 2017. On February 15th, 2017 at the WC, it was determined that in addition to the 16 schools in the list above, with the exchange rate at 11.52, there was a budget of 4.424 million kyat for the 3rd batch, which would make it possible to construct

about 30 more schools. Therefore, an additional 14 school selections were submitted to the DBE by a consultant.

At the five WC meetings between March 9th and August 29th, 2017, selection of schools for the 3rd batch and implementation advancement were discussed, but no developments were seen.

At the Steering Committee (SC) meeting on November 20th, 2017, JICA requested that schools in Rakhine be given priority in the 3rd batch. This would use up 75% of the remaining funds, and JICA and the DBE agreed to construct 15 schools in Rakhine for the 3rd batch.

At the Steering Committee meeting on December 6th, 2017, the DBE presented a list of 10 schools for the 3rd batch, but this list did not include schools in Rakhine. This was because the Myanmar side would provide budgets to rebuild most of the schools in Rakhine, and because the 15 schools in Rakhine could not be rebuilt with the budget that would be available for use until March 2018 (1.238 billion kyat), so the schools in Rakhine were moved to a 4th batch (from April 2018). The DBE determined that the 10 schools it had selected, including the three schools which had been eliminated from the 1st batch, would make up the 3rd batch.

Table 2-15 List of 10 Schools for the 3rd Batch

No	Region/ State	Township	School Name	Code	Size Storey	Number Of classroom	Amount of School BLDG	KG 60×30' RC	WC		Furniture		House of Headmaster		Water System	Total (million)	Students	
									Booth	Amount	Hight	Primary	Amount	Qty				Amount
1	Bago	Bago	PPS- Myot Lay	82				46.800	2	2.500	0	45	2.25	0	0.000	1.00	52.550	98
2	Bago	Latpadan	PPS- Kyauk Aine	103	120×30 RCC PL6	4	100.800	0.000	2	2.500	80	40	5.20	0	0.000	1.00	109.500	236
3	Bago	Latpadan	BEPS- KaNyin To (3)	#20	60×30 RCC 1	3	46.800	0.000	2	2.500	0	60	3.00	1	12.480	1.00	65.780	26
4	Bago	Shwe Taung	BEPS- Hlaing Mya Shin	#27			0.000	50.400	2	2.500	0	40	2.00	0	0.000	1.00	55.900	54
5	Bago	Shwe Taung	Pon Tan Ywar	#28				50.400	2	2.500	0	40	2.00	0	0.000	1.00	55.900	43
6	Bago	Shwe Taung	BEHS (Branch) Pho Thein Tan	#29				50.400	4	5.000		40	2.00	0	0.000	1.00	58.400	41
7	Yagon	Teik Gyi	BEPS- Alal King	443	120×30 RCC PL6	4	100.800	50.400	2	2.500	0	80	4.00	0	0.000	1.00	158.700	175
8	Yagon	Dala	BEHS (Branch) Rakhine chung	444	144×30 RCC 2	8	224.640	46.8	4	5.000	160	0	6.40	0	0.000	1.00	283.840	860
9	Chin	Mindatt	BEHS (Branch) Aukhyaing	26	120×30 RCC1	4	96.470	48.61	4	3.200	39		1.56	1	13.700	1.00	164.540	152
10	Chin	Mindatt	BEMS Ro	27	120×30 RCC 1	4	96.470	48.610	4	3.200	36		1.44	1	13.700	1.00	164.540	137
Total							665.980	392.420	28	31.400	315.000	345.000	29.850	3	39.880	10.00	1,169.650	1822

When the budget for the 3rd batch was checked against the Ministry of Constructions standard values, it was seen that 10 schools could not be constructed with the remaining budget of 1.238174 trillion kyat, so the number of candidate schools for the 3rd batch was revised down to seven. The seven candidate schools were authorized by the Education Minister on March 14th, 2018.

The tender process for the 3rd batch was scheduled to continue until the end of March, but at the beginning of April, the tender had still not been announced.

The water festival took place between April 13th and April 16, while April 17th was a holiday to celebrate the New Year. No progress was made during this time period, so it is expected that the tender will not be announced until after the end of April. It is expected that tenders will be opened following the end of May, and that following tender evaluation and approval of results, contracts will be signed and construction will begin in July at the earliest.

Table 2-16 List of 7 Schools for the 3rd Batch

No	Region/ State	Township	School Name	Code	Size Storey	Number Of classroom	Amount of School BLDG	KG 60×30' RC	WC		Furniture			House of Headmaster		Water System	Total (million)	Students	
									Booth	Amount	Hight	Primary	Amount	Qty	Amount				
1	Yagon	Teik Gyi	BEPS- Ale Kin	443	120×30 RCC PL7'	6	99.360	49.680	4	5.000	0	80	4.00	0	0.000	1.00	159.040	210	
2	Yagon	Dala	BEHS (Branch) Rakhine chung	444	144×30 RCC 2	8	207.360	43.200	4	5.000	240	0	9.60	0	0.000	1.00	266.160	879	
3	Bago	Bago	PPS- Myot Lay	82	60×30 RCC 1	2	43.200		2	2.500	0	45	2.25	0	0.000	1.00	48.95	101	
4	Bago	Latpandan	PPS- Kyauk Aine	103	120×30 RCC PL6'	4	99.360	0.000	4	5.000	160		6.40	0	0.000	1.00	111.760	177	
5	Chin	Mindatt	BEHS (Branch) Aukhyaing	26	120×30 RCC1	4	138.600	69.300	4	5.000	66		2.64	1	20.020	1.00	236.56	123	
6	Chin	Mindatt	BEMS Ro	27	120×30 RCC 1	4	138.600	69.300	4	5.000	0	40	2.00	1	20.020	1.00	235.92	142	
7	Chin	Hakha	BEMS- Lanhauk	46	60×30 RCC 1	3	69.300	69.300	2	2.500	0	20	1.00	1	20.020	1.00	163.12	36	
Total								795.780	300.780	24	30.000	466.000	185	27.890	3	60.060	7.00	1,221.510	1668

2-4 4th Batch

Under plans for the next stage, the remaining budget of 1.5 billion yen is to be spent for school construction until the Steering Committee Meeting is held in November. In the Working Committee Meeting of December 6, however, DBE explained that 70% of the second payment could only be spent in the 2018-2019 budget. DBE therefore presented a proposal for a tender in two sections—a 3rd batch (budget of 1,238.174 million kyat) and 4th batch (budget of 1,408.98 million kyat, 30% of the second payment)—along with a list. The list named 39 schools in the Ayeyarwady and Yangon regions as candidate schools for the 4th batch. JICA selected 12 schools in Rakhine State that had been so far left untouched, from the list of 493 schools. It also selected schools in Rakhine State from the list of 150 schools in the 4th batch and strongly requested that priority be given to the construction of schools in that state.

DBE submitted a list of 14 candidate schools for the 4th batch in the Working Committee Meeting of February 27th. Discussions are needed, however, as the schools in the list fail to meet the requirements for the construction of 15 schools in Rakhine State, which the Government of Japan promised. No survey on facilities to be built has been conducted. JICA proposed that a survey team be formed with the remaining budget to study candidate schools and decide on assistance details.

Up until the Water Festival on April 13th, no new candidate schools had been selected, and as of April 19th, the list of fourteen schools shown below in Table 2-17 had not been updated.

Table 2-17 List of 14 Schools for the 4th Batch

No	Region/ State	Township	School Name	Code	Size Storey	Number Of classroom	Amount of School BLDG	KG 60×30' RC	WC		Furniture			House of Headmaster		Water System	Total (million)
									Booth	Amount	Hight	Primary	Amount	Qty	Amount		
1	Rakhine	Ponna Gyun	BEPPS- Ywar Houn	258	120×30 RCC 1	4	93.600		2	2.500	70	170	11.30			1.00	108.400
2	Rakhine	Ponna Gyun	BEMS-(Branch) Aung Phyu Pyin	246	144×30 RCC 2	8	224.640		4	5.000	245	90	14.30			1.00	244.940
3	Rakhine	Ratheaug	BEPS-Kyone Pyin	345	60×30 RCC 1	3	46.800	46.800	2	2.500		35	1.75			1.00	98.85
4	Rakhine	Ratheaug	BEPS-San kar	352	120×30 RCC 1	6	93.600	0.000	2	2.500		30	1.50			1.00	98.60
5	Rakhine	Ratheaug	BEMS-(Branch) Aung Zay Gone	324	120×30 RCC 1	4	93.600		4	5.000	135	65	8.65	1	12.480	1.00	120.73
6	Rakhine	Kyauk Taw	BEHS- A pauk wa	383	144×30 RCC 2	8	224.640	46.800	4	5.000	1550	125	68.25			1.00	345.69
7	Rakhine	Kyauk Taw	BEPS- Yin Dar	397	60×30 RCC 1	3	46.800		2	2.500		45	2.25	1	12.480	1.00	65.03
8	Rakhine	Min Pyar	BEMS-(Branch) Athay Karla	275	60×30 RCC PL6'	2	50.400		4	5.000	85	35	5.15			1.00	61.55
9	Rakhine	Min Pyar	BEPS-Pauk Taw Htein Pin	304	60×30 RCC 1	3	46.800		2	2.500		15	0.75	1	12.480	1.00	63.53
10	Rakhine	Min Pyar	BEPS-Nga Tar	300					2	2.500		30	1.50	1	12.480	1.00	17.48
11	Rakhine	Min Pyar	BEMS-(Branch) Ai Wun	272	120×30 RCC 1	4	93.600		4	5.000	195	45	10.05	1	12.480	1.00	122.13
12	Rakhine	Min Pyar	BEPPS- Chin Seik	298	60×30 RCC 1	3	46.800		2	2.500	25	45	3.25			1.00	53.55
13	Ayarwaddy	Yay Kyi	BEPS- Nyaw Kone	493					2	2.500		15	0.75			1.00	4.25
14	Ayarwaddy	Tharpound	BEPS-Yay Cho	486					2	2.500		15	0.75			1.00	4.25
Total							1,061.280	93.600	38	47.500	2,305.000	760.000	130.200	5	62.400	14.00	1,408.980



Figure 2-1 Locations of the 39 schools of the 2nd batch and the 12 schools of the 4th batch in Rakhine State

Chapter 3 Financial Plan and Progress

3-1 Funding Plan and Cash Flow

- First Disbursement
 - Disbursement Date: February 28th, 2016
 - Amount Disbursed: 75% of 1.5 billion yen (1,125,000,000 yen)
 - Disbursement Destination: MOE Myanmar Economic Bank (MEB) yen account
 - Exchange Rate on Disbursement Date: 10.08MMK/ yen (the currency was not exchanged, but according to plan, the Myanmar Ministry of Finance would fix the budget based on the exchange rate on the day of disbursement.)
- First Currency Exchange
 - Currency Exchange Value: 375,000,000 yen (4,320,000,000 MMK)
 - Exchange Rate: 11.52MMK/ yen
 - After exchange into MMK, the funds went into the DBE account to be paid to the contractors, not the MOE account, so the PD was revised.
 - At the JICA-DBE meeting on February 15th, 2017, a motion was submitted to exchange the entire amount as quickly as possible.
- Second Currency Exchange
 - Exchange Rate: 750,000,000 yen (8,925,000,000 MMK)
 - Exchange Rate: 11.90MMK/ yen
- Third Currency Exchange
 - Exchange Rate: 375,000,000 yen (4,552,500,000 MMK)
 - Exchange Rate: 12.14MMK/ yen
- 1st Batch Construction Contract Amount: MMK 2,440,465,000 (19 schools as of March 15th, 2018)
- 2nd Batch Construction Contract Amount: MMK 9,566,360,000 (63 schools as of March 15th, 2018)
- Amount Remaining after the First Disbursement:
 - MMK 1,238,175,000 (3rd batch budget as of March 15th, 2018)
- 1st Batch Expenditure: MMK 2,121,491,000 (86.9% as of March 31th, 2018)
- 2nd Batch Expenditure: MMK 8,466,170,000 (88.5% as of March 31th, 2018)
 - Due to implementation delays for the 2nd and 3rd batches, the 1,125,000,000 yen already disbursed is not expected to be spent completely until August 2018.
- Second Disbursement
 - Scheduled Disbursement Date: April 2018
 - Amount Disbursed: 25% of 1.5 billion yen (375,000,000 yen)
 - At the Steering Committee meeting on November 20th, 2017, it was confirmed in a DBE progress report that 30% completion had been achieved, which was a condition for the second disbursement.

PROGRAMME BUDGET RATIO (MMK)

0.4%, Balance

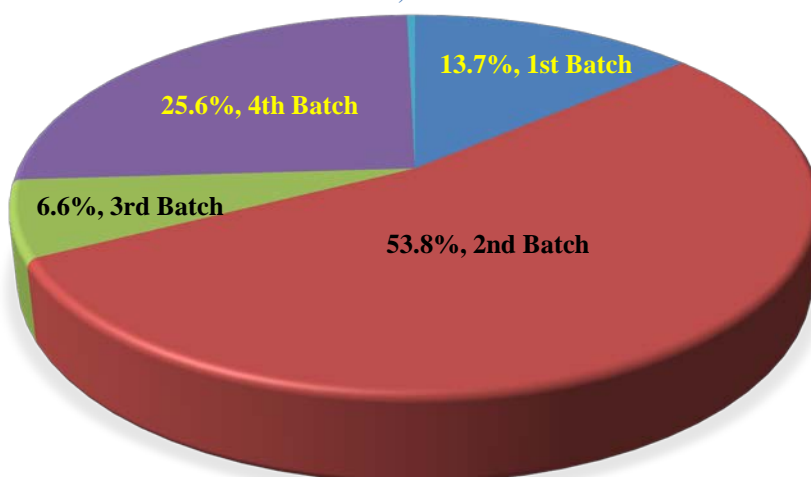


Figure 3-1 Budget of 1.5 Billion Japanese Yen by Grant Aid of Japan (March 15 2018)

3-2 Payment Status

The payment status for 1st and 2nd batches as of March 2018 is shown below.

Table 3-1 Payment Status for 1st Batch (March, 2018)

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Kyats)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	TOTAL Amount (Mil. Ks)				
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)						
21	Chin	Hakha	40	Het Akar	BEMS-Myohauing	102'x30' RCC2 CR	168,790	2016/12/14	42,198	2017/3/29	42,198	2017/5/9	42,198	2017/8/17	42,198	3.395	168,790				
						60'x30' RCC KG	57,920	2016/12/14	14,480	2017/3/29	14,480	2017/5/9	14,480	2017/8/17	14,480		57,920				
						WC 4 booths	3,200	2017/8/15	0.800	2017/8/15	0.800	2017/8/15	0.800	2017/8/15	0.800		3,200				
						Furniture 62 sets	2,480	2017/8/17	0.620	2017/8/17	0.620	2017/8/17	0.620	2017/8/17	0.620		2,480				
						20'x26' HM House	18,600	2016/12/14	4,650	2017/3/29	4,650	2017/5/9	4,650	2017/8/17	4,650		18,600				
						Water System	1,000	2017/8/15	0.250	2017/8/15	0.250	2017/8/15	0.250	2017/8/15	0.250		1,000				
						Total	251,990		62,998		62,998		62,998		62,998		251,990				
							39.4%		25.0%		25.0%		25.0%		25.0%		100.0%				
						41	Het Akar	BEMS-Zakhuar	90'x30' RCC1 CR	68,330	2016/12/14	17,083	2017/3/29	17,083	2017/5/9		17,083	2017/8/17	17,083	1.019	68,330
									WC 4 booths	3,200	2017/8/17	0.800	2017/8/17	0.800	2017/8/17		0.800	2017/8/17	0.800		3,200
									Furniture 62 sets	2,480	2017/8/17	0.620	2017/8/17	0.620	2017/8/17		0.620	2017/8/17	0.620		2,480
									Water System	1,000	2017/8/18	0.250	2017/8/18	0.250	2017/8/18		0.250	2017/8/18	0.250		1,000
			Total	75,010		18,753		18,753		18,753		18,753	75,010								
				11.7%		25.0%		25.0%		25.0%		25.0%	100.0%								
			39	Het Akar	BEMS-Zakhuar	120'x30' RCC1 CR	107,070	2017/5/8	26,768	2017/7/18	26,768	2017/10/19	26,768	2017/11/24	26,768	0.574	107,070				
						60'x30' RCC KG	57,920	2017/5/8	14,480	2017/7/18	14,480	2017/10/19	14,480	2017/11/24	14,480		57,920				
						WC 4 booths	3,200	2017/11/24	0.800	2017/11/24	0.800	2017/11/24	0.800	2017/11/24	0.800		3,200				
						Furniture 26 sets	1,040	2017/11/24	0.260	2017/11/24	0.260	2017/11/24	0.260	2017/11/24	0.260		1,040				
						20'x26' HM House	18,600	2017/5/8	4,650	2017/7/18	4,650	2017/10/20	4,650	2017/11/24	4,650		18,600				
						Water System	1,000	2017/11/24	0.250	2017/11/24	0.250	2017/11/24	0.250	2017/11/24	0.250		1,000				
						Total	188,830		47,208		47,208		47,208		47,208		188,830				
							29.6%		25.0%		25.0%		25.0%		25.0%		100.0%				
						47	Het Akar	BEPF-Haitalan	60'x30' RCC1 CR	57,920	2017/1/12	14,480	2017/4/11	14,480	2017/5/5		14,480	2017/8/15	14,480	0.574	57,920
									WC 2 booths	1,970	2017/8/17	0.493	2017/8/17	0.493	2017/8/17		0.493	2017/8/17	0.493		1,970
Furniture 20sets	0,600	2017/8/17							0.150	2017/8/17	0.150	2017/8/17	0.150	2017/8/17	0.150		0,600				
Water System	1,000	2017/8/17							0.250	2017/8/17	0.250	2017/8/17	0.250	2017/8/17	0.250		1,000				
Total	61,490		15,373		15,373		15,373		15,373	61,490											
	9.6%		25.0%		25.0%		25.0%		25.0%	100.0%											
44	Het Akar	BEPF-Mamtae	60'x30' RCC1 CR	57,920	2017/3/8	14,480	2017/5/22	14,480	2017/7/18	14,480	2017/10/16	14,480	0.834	57,920							
			WC 2 booths	1,970	2017/10/16	0.493	2017/10/16	0.493	2017/10/16	0.493	2017/10/16	0.493		1,970							
			Furniture 20 sets	0,600	2017/10/16	0.150	2017/10/16	0.150	2017/10/16	0.150	2017/10/16	0.150		0,600							
			Water System	1,000	2017/10/16	0.250	2017/10/16	0.250	2017/10/16	0.250	2017/10/16	0.250		1,000							
Total	61,490		15,373		15,373		15,373		15,373	61,490											
	9.6%		25.0%		25.0%		25.0%		25.0%	100.0%											
Lot-21 TOTAL							638,810	159,703	159,703	159,703	159,703	159,703	5.822	638,810							
							26.2%	25.0%	25.0%	25.0%	25.0%	25.0%		100.0%							
22	Chin	Hakha	46	Su Htoo San	BEPF-Lonhauk	60'x30' RCC1 CR	57,920								0.507	0,000					
						60'x30' RCC KG	57,920									0,000					
						WC 2 booths	1,970					Cancel				0,000					
						Furniture 20 sets	0,600									0,000					
						20'x26' HM House	18,600									0,000					
						Water System	1,000									0,000					
			Total	0.0%		0.000				0.000		0.000	0,000								
			43	Su Htoo San	BEPF-Beothahe	60'x30' RCC1 CR	57,920	2017/1/12	14,480	2017/4/11	14,480	2017/4/11	14,480	2017/8/17	14,480	0.507	57,920				
						WC 2 booths	1,970	2017/8/15	0.493	2017/8/15	0.493	2017/8/15	0.493	2017/8/15	0.493		1,970				
						Furniture 20 sets	0,600	2017/8/17	0.150	2017/8/17	0.150	2017/8/17	0.150	2017/8/17	0.150		0,600				
						Water System	1,000	2017/8/17	0.250	2017/8/17	0.250	2017/8/17	0.250	2017/8/17	0.250		1,000				
						Total	61,490		15,373		15,373		15,373		15,373		61,490				
	8.3%					25.0%		25.0%		25.0%		25.0%	100.0%								

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Kyats)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	TOTAL Amount (Mil. Ks)
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)		
22	Chin	Hakha	42	Su Hroo Sam	BEPS-Khawabe	60x30' RCC1 CR	57.920	2017/2/21	14.480	2017/4/11	14.480	2017/5/5	14.480	2017/8/17	14.480	0.507	57.920
						WC 2 booths	1.970	2017/8/17	0.493	2017/8/17	0.493	2017/8/17	0.493	2017/8/17	0.493		1.970
						Furniture 20 sets	0.600	2017/8/18	0.150	2017/8/18	0.150	2017/8/18	0.150	2017/8/18	0.150		0.600
						Water System	1.000	2017/8/17	0.250	2017/8/17	0.250	2017/8/17	0.250	2017/8/17	0.250		1.000
						Total	61.490		15.373		15.373		15.373		15.373		61.490
		8.3%			25.0%		25.0%		25.0%		25.0%		100.0%				
		60x30' RCC1 CR	57.920		2017/3/23	14.480	2017/5/22	14.480	2017/7/26	14.480	2017/10/16	14.480	57.920				
		WC 2 booths	1.970		2017/10/16	0.493	2017/10/16	0.493	2017/10/16	0.493	2017/10/16	0.493	1.970				
		Furniture 20 sets	0.600		2017/10/16	0.150	2017/10/16	0.150	2017/10/16	0.150	2017/10/16	0.150	0.600				
		Water System	1.000		2017/10/16	0.250	2017/10/16	0.250	2017/10/16	0.250	2017/10/16	0.250	1.000				
	Total	61.490		15.373		15.373		15.373		15.373	61.490						
	8.3%		25.0%		25.0%		25.0%		25.0%		100.0%						
	144x30' RCC3 CR	304.160	2016/12/14	76.040	2017/3/16	76.040	2017/5/23	76.040	2017/7/9	76.040	304.160						
	60x30' RCC KG	57.920	2016/12/14	14.480	2017/3/16	14.480	2017/5/23	14.480	2017/7/9	14.480	57.920						
	WC 4 booths	3.200	2017/7/9	0.800	2017/7/9	0.800	2017/7/9	0.800	2017/7/9	0.800	3.200						
	Furniture 501sets	20.040	2017/7/9	5.010	2017/7/9	5.010	2017/7/9	5.010	2017/7/9	5.010	20.040						
	20x26' HM House	18.600	2016/12/14	4.650	2017/3/16	4.650	2017/5/23	4.650	2017/7/9	4.650	18.600						
	Water System	1.000	2017/7/9	0.250	2017/7/9	0.250	2017/7/9	0.250	2017/7/9	0.250	1.000						
	Total	404.920		101.230		101.230		101.230		101.230	404.920						
	20.4%		25.0%		25.0%		25.0%		25.0%		100.0%						
90x30' RCC1 CR	68.330	2017/4/27	17.083	2017/7/26	17.083	2017/10/20	17.083	2017/12/12	17.083	68.330							
60x30' RCC KG	57.920	2017/4/27	14.480	2017/7/26	14.480	2017/10/20	14.480	2017/12/12	14.480	57.920							
WC 4 booths	3.200	2017/12/12	0.800	2017/12/12	0.800	2017/12/12	0.800	2017/12/12	0.800	3.200							
Furniture 47sets	1.880	2017/12/12	0.470	2017/12/12	0.470	2017/12/12	0.470	2017/12/12	0.470	1.880							
20x26' HM House	18.600	2017/4/27	4.650	2017/7/26	4.650	2017/10/20	4.650	2017/12/12	4.650	18.600							
Water System	1.000	2017/12/12	0.250	2017/12/12	0.250	2017/12/12	0.250	2017/12/12	0.250	1.000							
Total	150.930		37.733		37.733		37.733		37.733	150.930							
20.4%		25.0%		25.0%		25.0%		25.0%		100.0%							
Lot-22 TOTAL			740.320		185.080		185.080		185.080		185.080		185.080	4.731	740.320		
			30.3%		25.0%		25.0%		25.0%		25.0%		25.0%		100.0%		
23	Chin	Falam	25	See Moe Yadaana	BEPS-Theeli	60x30' RCC1 CR	57.133	2017/1/3	14.283	2017/9/25	14.283	2017/9/25	14.283	2017/9/25	14.283	0.267	57.133
						WC 2 booths	2.368	2017/9/26	0.592	2017/9/26	0.592	2017/9/26	0.592	2017/9/26	0.592		2.368
						Furniture 20 sets	0.768	2017/9/26	0.192	2017/9/26	0.192	2017/9/26	0.192	2017/9/26	0.192		0.768
		Water System	1.000		2017/9/26	0.250	2017/9/26	0.250	2017/9/26	0.250	2017/9/26	0.250	1.000				
		Total	61.269			15.317		15.317		15.317		15.317	61.269				
		50.0%			25.0%		25.0%		25.0%		25.0%		100.0%				
	60x30' RCC1 CR	57.133	2017/1/3	14.283	2017/9/26	14.283	2017/9/26	14.283	2017/9/26	14.283	57.133						
	WC 2 booths	2.368	2017/9/26	0.592	2017/9/26	0.592	2017/9/26	0.592	2017/9/26	0.592	2.368						
	Furniture 20 sets	0.768	2017/9/26	0.192	2017/9/26	0.192	2017/9/26	0.192	2017/9/26	0.192	0.768						
	Water System	1.000	2017/9/26	0.250	2017/9/26	0.250	2017/9/26	0.250	2017/9/26	0.250	1.000						
	Total	61.269		15.317		15.317		15.317		15.317	61.269						
	50.0%		25.0%		25.0%		25.0%		25.0%		100.0%						
Lot-23 TOTAL			122.538		30.635		30.635		30.635		30.635		30.635	0.533	122.538		
			5.0%		25.0%		25.0%		25.0%		25.0%		25.0%		100.0%		
26	Chin	Mandat	26	Lim Young Hroo	BEPS/Branch)-Aukchayang	120x30' RCC1 CR	96.470								0.000	96.470	
						60x30' RCC KG	48.610									48.610	
						WC 4 booths	3.200					Cancel				3.200	
		Furniture 39 sets	1.560									1.560					
		20x26' HM House	13.700									13.700					
		Water System	1.000									1.000					
		Total	164.540			0.000		0.000		0.000		0.000	164.540				
		0.0%											100.0%				
		60x30' RCC1 CR	48.610		2017/3/16	12.153	2017/5/13	12.153	2017/6/13	12.153	2017/8/10	12.153	48.610				
	60x30' RCC KG	48.610	2017/3/16	12.153	2017/5/13	12.153	2017/6/13	12.153	2018/03/16	12.153	48.610						
	WC 2 booths	1.600	2018/3/16	0.400	2018/3/16	0.400	2018/3/16	0.400	2018/03/16	0.400	1.600						
	Furniture 20 sets	0.800	2017/8/10	0.200	2017/8/10	0.200	2017/8/10	0.200	2017/8/10	0.200	0.800						
	20x26' HM House	13.700	2017/5/12	3.425	2017/6/13	3.425	2017/6/13	3.425	2018/03/16	3.425	13.700						
	Water System	1.000	2017/11/10	0.250	2017/11/10	0.250	2017/11/10	0.250	2017/11/10	0.250	1.000						
	Total	114.320		28.580		28.580		28.580		28.580	114.320						
	45.3%		25.0%		25.0%		25.0%		25.0%		100.0%						
	120x30' RCC1 CR	96.470									96.470						
	60x30' RCC KG	48.610									48.610						
WC 4 booths	3.200					Cancel				3.200							
Furniture 36 sets	1.440									1.440							
20x26' HM House	13.700									13.700							
Water System	1.000									1.000							
Total	164.540		0.000		0.000		0.000		0.000	164.540							
0.0%										100.0%							
90x30' RCC1 CR	72.420	2017/2/8	18.105	2017/3/16	18.105	2017/03/16	18.105	2017/07/18	18.105	72.420							
60x30' RCC KG	48.610	2017/2/8	12.153	2017/3/16	12.153	2017/03/16	12.153	2017/07/18	12.153	48.610							
WC 2 booths	1.600	2018/1/30	0.400	2018/1/30	0.400	2018/1/30	0.400	2018/1/30	0.400	1.600							
Furniture 20 sets	0.800	2017/8/9	0.200	2017/8/9	0.200	2017/8/9	0.200	2017/8/9	0.200	0.800							
20x26' HM House	13.700	2017/2/8	3.425	2017/5/12	3.425	2018/1/30	3.425	2018/03/16	3.425	13.700							
Water System	1.000	2018/1/30	0.250	2018/1/30	0.250	2018/1/30	0.250	2018/1/30	0.250	1.000							
Total	138.130		34.533		34.533		34.533		34.533	138.130							
54.7%		25.0%		25.0%		25.0%		25.0%		100.0%							
Lot-26 TOTAL			252.450		63.113		63.113		63.113		63.113		63.113	252.450			
			10.3%		25.0%		25.0%		25.0%		25.0%		25.0%		100.0%		
28	Chin	Paletawa	23	Aye Chin Sit Than	BEPS -Wunehangayaw	60x30' RCC PL-6'	69.500	2017/1/23	17.375						0.000	69.500	
						60x30' RCC KG	44.800	2017/1/23	11.200	2017/11/1	11.200					44.800	
						WC 2 booths	1.600									1.600	
		Furniture 22 sets	0.880									0.880					
		20x26' HM House	14.800		2017/1/23	3.700	2017/11/14	3.700				14.800					
		Water System	1.000									1.000					
	Total	132.580		32.275		14.900		0.000		0.000	132.580						
	29.4%		24.3%		11.2%						35.6%						
	120x30' RCC PL-6'	119.700	2017/6/28	29.925							119.700						
	60x30' RCC KG	44.800	2017/6/28	11.200							44.800						
	WC 4 booths	2.680								2.680							
	Furniture 61sets	2.440								2.440							
20x26' HM House	14.800								14.800								
Water System	1.000								1.000								
Total	185.420		41.125				0.000		0.000	185.420							
41.1%		22.18%								22.2%							

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Kyats)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	TOTAL Amount (Mil. Ks)				
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)						
28	Chin	Paletawa	22	Aye Chin Sir Than	BEPS-Wechaung	60'x30' RCC PL-6'	69.500	2017/4/6	17.375									17.375			
						60'x30' RCC KG	44.800	2017/4/6	11.200	2017/11/1	11.200									22.400	
						WC 2 booths	1.600														0.000
						Furniture 26 sets	1.040														0.000
						20'x26' HM House	14.800	2017/4/6	3.700												3.700
						Water System	1.000														0.000
						Total	132.740		32.275		11.200		0.000		0.000						43.475
							29.4%		12.8%												17.3%
Lot-28 TOTAL							450.740		105.675		26.100		0.000		0.000		131.775				
							18.5%		23.4%		5.8%		0.0%		0.0%		29.2%				
31	Yangon	(N) Okkalapa	442	Byar La Thu Kha	SPS-(lo)	100'x30' RCC1 CR	60.868	2016/11/29	15.217	2017/2/1	15.217	2017/2/1	15.217	2017/11/16	15.217	0.4335	60.868				
						60'x30' RCC KG	35.213	2016/11/29	8.803	2017/2/1	8.803	2017/2/1	8.803	2017/11/16	8.803	0.2499	35.213				
						WC 4 booths	2.694	2017/2/1	0.674	2017/2/1	0.674	2017/5/17	0.674	2017/11/16	0.674	0.0204	2.694				
						Furniture 20 sets	0.900	2017/5/17	0.225	2017/5/17	0.225	2017/5/17	0.225	2017/11/16	0.225	0.0051	0.900				
						20'x26' HM House	14.940	2016/11/29	3.735	2017/2/1	3.735	2017/2/1	3.735	2017/11/16	3.735	0.1071	14.940				
						Water System	1.000	2017/5/17	0.250	2017/5/17	0.250	2017/5/17	0.250	2017/11/16	0.250	0.0051	1.000				
						Total	115.615		28.904		28.904		28.903		28.904		0.821	115.615			
							49.1%		25.0%		25.0%		25.0%		25.0%			100.0%			
	Htantabin	441	Byar La Thu Kha	SPS-Ywar Thit	120'x30' RCC1 CR	65.590	2016/11/29	16.398	2017/2/1	16.398	2017/2/1	16.398	2017/11/16	16.398	0.4692	65.590					
					60'x30' RCC KG	35.213	2016/11/29	8.803	2017/2/1	8.803	2017/2/1	8.803	2017/11/16	8.803	0.2499	35.213					
					WC 2 booth	2.124	2017/2/1	0.531	2017/2/1	0.531	2017/5/17	0.531	2017/11/16	0.531	0.0153	2.124					
					Furniture 25 sets	1.125	2017/5/17	0.273	2017/5/17	0.281	2017/5/17	0.281	2017/11/16	0.281	0.0051	1.116					
					20'x26' HM House	14.940	2016/11/29	3.735	2017/2/1	3.735	2017/02/01	3.735	2017/11/16	3.735	0.1070	14.940					
					Water System	1.000	2017/5/17	0.250	2017/5/17	0.250	2017/5/17	0.250	2017/11/16	0.250	0.0051	1.000					
					Total	119.992		29.988		29.998		29.998		29.998		0.852	119.983				
						50.9%		21.7%		21.7%		21.7%		21.7%			100.0%				
Lot-31 TOTAL							235.607		58.893		58.902		58.901		58.902	1.673	235.598				
							9.7%		25.0%		25.0%		25.0%		25.0%		100.0%				
First Tender(Batch) TOTAL							2,440.465		603.098		523.531		497.431		497.431	12.758	2,121.491				
							100.0%		24.7%		21.5%		20.4%		20.4%		86.9%				

Table 3-2 Payment Status for 2nd Batch (March, 2018)

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Ks)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	Total Amount (Mil. Ks)				
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)						
32	Rakhine	Sitawe	218	Hlang Myint Moe Tun	BEHS(6)-Sitawe	144'x30' RCC2 CR	173.48	2017/3/8	43.37	2017/7/27	43.370	2017/8/23	43.370	2017/10/3	43.370		173.480				
						WC 4booth	2.53	2017/8/23	0.6325	2017/8/23	0.633	2017/10/9	0.633	2017/10/12	0.633		2.530				
						Furniture 160/80	7.04	2017/10/12	1.76	2017/10/12	1.760	2017/10/12	1.760	2017/10/12	1.760		7.040				
						Water System	1.000	2017/10/9	0.25	2017/10/12	0.250	2017/10/9	0.250	2017/10/9	0.250		1.000				
						Total	184.05		46.0125		46.013		46.013		46.013		184.050				
							30.1%		25.0%		25.0%		25.0%		25.0%		100.0%				
						219	225	Hlang Myint Moe Tun	BEHS(9)-Mingam	102'+102'x30' RCC2 CR	264.140	2017/3/8	66.035	2017/7/27	66.035	2017/8/23	66.035	2017/10/3	66.035		264.140
										WC 4booth	2.530	2017/10/9	0.633	2017/10/9	0.633	2017/10/9	0.633	2017/10/9	0.633		2.530
	Furniture 240/120	10.560	2017/10/9	2.640	2017/10/9					2.640	2017/10/9	2.640	2017/10/9	2.640		10.560					
	Water System	1.000	2017/10/3	0.250	2017/10/3					0.250	2017/10/3	0.250	2017/10/3	0.250		1.000					
	Total	278.230		69.558						69.558		69.558		69.558		278.230					
		45.5%		25.0%						25.0%		25.0%		25.0%		100.0%					
	230	BEHS(Branch)-Thimbedan	120'x30' RCC1 CR	81.700	2017/3/8					20.425	2017/6/27	20.425	2017/8/7	20.425	2017/10/23	20.425		81.700			
			WC 4booth	2.530	2017/8/7					0.6325	2017/8/7	0.6325	2017/10/23	0.6325	2017/10/23	0.633		2.530			
			Furniture 80/40	3.520	2017/8/23	0.880	2017/8/23	0.880	2017/10/20	0.880	2017/10/20	0.880		3.520							
			20'x26' HM House	15.540	2017/3/8	3.885	2017/6/9	3.885	2017/8/7	3.885	2017/10/23	3.885		15.540							
Water System			1.000	2017/8/7	0.250	2017/8/7	0.250	2017/10/23	0.250	2017/10/23	0.250		1.000								
Total			104.290		26.073		26.073		26.073		26.073		104.290								
			17.1%		25.0%		25.0%		25.0%		25.0%		100.0%								
Lot-32 Total							611.320		152.830		152.830		152.830	0.003	611.320						
							6.4%		25.0%		25.0%		25.0%		25.0%		100.0%				
33	Rakhine	Ponna Gyun	240	Shawe Hla Hla Win	BEHS-Poshepyin	102'+102'x30' RCC2 CR	294.520	2017/4/3	73.630	2017/8/29	73.630	2017/9/20	73.630	2018/1/18	73.630		294.520				
						60'x30' RCC KG	47.980	2017/4/3	11.995	2017/8/28	11.995	2017/9/20	11.995	2018/1/18	11.995		47.980				
						WC 4booth	3.560	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890		3.560				
						Furniture 240/120	11.160	2018/1/18	2.790	2018/1/18	2.790	2018/1/18	2.790	2018/1/18	2.790		11.160				
						20'x26' HM House	15.530	2017/4/3	3.883	2017/8/29	3.883	2017/9/20	3.883	2018/1/18	3.883		15.530				
						Water System	1.000	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250		1.000				
						Total	373.750		93.438		93.438		93.438		93.438		373.750				
							54.3%		25.0%		25.0%		25.0%		25.0%		100.0%				
	245	BEHS(Branch)-Inchabung	102'x30' RCC2 CR(1)	141.810	2017/4/3	35.453	2017/8/29	35.453	2017/9/20	35.453	2018/1/18	35.453		141.810							
			102'x30' RCC2 CR(2)	141.810	2017/4/3	35.453	2017/8/29	35.453	2017/9/20	35.453	2018/1/18	35.453		141.810							
			WC 4booth	3.560	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890		3.560							
			Furniture 240/120	11.160	2018/1/18	2.790	2018/1/18	2.790	2018/1/18	2.790	2018/1/18	2.790		11.160							
			20'x26' HM House	15.530	2017/4/3	3.883	2017/8/29	3.883	2017/9/20	3.883	2018/1/18	3.883		15.530							
			Water System	1.000	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250		1.000							
			Total	314.870		78.718		78.718		78.718		78.718		314.870							
				45.7%		25.0%		25.0%		25.0%		25.0%		100.0%							
Lot-33Total							688.620		172.155		172.155		172.155		172.155	0.000	688.620				
							7.2%		25.0%		25.0%		25.0%		25.0%		100.0%				
34	Rakhine	Ponna Gyun	235	Yoma Beauty	BEHS (Branch)-Myrona	120'x30' RCC1 CR	74.900	2017/02/21	18.725	2017/05/23	18.725	2017/07/26	18.725	2017/10/02	18.725		74.900				
						WC 4booth	2.650	2017/10/03	0.663	2017/10/03	0.663	2017/10/03	0.663	2017/10/03	0.663		2.650				
						Furniture 80/40	2.320	2017/10/03	0.580	2017/10/03	0.580	2017/10/03	0.580	2017/10/03	0.580		2.320				
						Water System	1.000	2017/10/03	0.250	2017/10/03	0.250	2017/10/03	0.250	2017/10/03	0.250		1.000				
						Total	80.870		20.218		20.218		20.218		20.218		80.870				
							15.2%		25.0%		25.0%		25.0%		25.0%		100.0%				
	249	BEPS-Kyaaukseik	132'x30' RCC2 CR	190.5	2017/02/21	47.625	2017/07/26	47.625	2017/10/02	47.625	2017/12/04	47.625		190.500							
			WC 2booth	1.6	2017/12/04	0.4	2017/12/04	0.400	2017/12/04	0.400	2017/12/04	0.400		1.600							
			Furniture 160/80	4.64	2017/12/04	1.16	2017/12/04	1.160	2017/12/04	1.160	2017/12/04	1.160		4.640							
			Water System	1.000	2017/12/04	0.25															

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Ks)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	Total Amount (Mil. Ks)							
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)									
34	Rakhine	Ponna Gyun	252	Yoma Beauty	BEPS-Dparoyone	92x30' RCC2 CR	136.1	2017/02/21	34.025	2017/07/26	34.025	2017/10/02	34.025	2017/12/04	34.025		136.100							
						WC 2booth	1.6	2017/12/04	0.4	2017/12/04	0.400	2017/12/04	0.400					1.600						
						Furniture 160/80	4.64	2017/12/04	1.16	2017/12/04	1.160	2017/12/04	1.160					4.640						
						20x26' HM House	13.7	2017/02/21	3.425	2017/05/23	3.425	2017/07/26	3.425	2017/10/02	3.425			13.700						
						Water System	1.000	2017/12/04	0.25	2017/12/04	0.250	2017/12/04	0.250	2017/12/04	0.250			1.000						
						Total	157.040		39.260		39.260		39.260		39.260			157.040						
			29.5%		25.0%		25.0%		25.0%		25.0%			100.0%										
		261	Yoma Beauty	BEPS-kanhunggy	120x30' RCC1 CR	79.1	2017/02/21	19.775	2017/05/23	19.775	2017/07/26	19.775	2017/10/02	19.775		79.100								
					WC 2booth	1.6	2017/10/03	0.4	2017/10/03	0.400	2017/10/03	0.400					1.600							
					Furniture 0/50	0.95	2017/10/03	0.2375	2017/10/03	0.238	2017/10/03	0.238					0.950							
					20x26' HM House	13.7	2017/02/21	3.425	2017/05/23	3.425	2017/07/26	3.425	2017/10/02	3.425			13.700							
					Water System	1.000	2017/10/03	0.25	2017/10/03	0.250	2017/10/03	0.250	2017/10/03	0.250			1.000							
Total	96.350					24.088		24.088		24.088		24.088			96.350									
	18.1%		25.0%		25.0%		25.0%		25.0%			100.0%												
Lot-34 Total							532.000	133.000	133.000	133.000	133.000		532.000											
							5.6%	25.0%	25.0%	25.0%	25.0%		100.0%											
35	Rakhine	Paak Daw	404	Shwe Hla Hla Win	BEHS(Branch)-Myint Gar	102x102'x30' RCC2 CR	281.610	2017/4/4	70.4025	2017/8/23	70.4025	2017/9/20	70.403	2018/1/18	70.403		281.610							
						60x30' RCC KG	48.820	2017/4/4	12.205	2017/8/25	12.205	2017/9/20	12.205	2018/1/18	12.205		48.820							
						WC 4booth	3.560	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890			3.560						
						Furniture 240/120	11.520	2018/1/18	2.880	2018/1/18	2.880	2018/1/18	2.880	2018/1/18	2.880			11.520						
						20x26' HM House	15.550	2017/4/4	3.888	2017/8/22	3.888	2017/9/20	3.888	2018/1/18	3.888			15.550						
						Water System	1.000	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250			1.000						
			Total	362.060		90.515		90.515		90.515		90.515			362.060									
				57.5%		25.0%		25.0%		25.0%		25.0%			100.0%									
			405	Shwe Hla Hla Win	BEHS-Thapayee Kan	144x30' RCC2X2 CR	191.330	2017/4/4	47.8325	2017/8/22	47.8325	2017/9/20	47.833	2018/1/18	47.833		191.330							
						60x30' RCC KG	48.820	2017/4/4	12.205	2017/8/29	12.205	2017/9/20	12.205	2018/1/18	12.205		48.820							
						WC 4booth	3.560	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890	2018/1/18	0.890			3.560						
						Furniture 160/80	7.680	2018/1/18	1.920	2018/1/18	1.920	2018/1/18	1.920	2018/1/18	1.920			7.680						
		20x26' HM House				15.550	2017/4/3	3.8875	2017/8/22	3.888	2017/9/20	3.888	2018/1/18	3.888			15.550							
		Water System				1.000	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250	2018/1/18	0.250			1.000							
		Total	267.940		66.9850		66.9850		66.985		66.985			267.940										
			42.5%		25.0%		25.0%		25.0%		25.0%			100.0%										
		Adjustment							-0.187								-0.187							
		Lot-35 Total							629.813	157.500	157.500	157.500	157.500		629.813									
									6.6%	25.0%	25.0%	25.0%	25.0%		100.0%									
		36	Rakhine	Rathedaung	310	Byar La Thu Kha	BEHS (Branch)- Myor Ma	144x30' RCC2 CR	197.6	2017/3/8	49.400	2017/10/10	49.400	2017/12/12	49.400	2017/12/8	49.400		197.600					
								144x30' RCC2 CR	197.6	2017/6/1	49.400	2017/9/5	49.400	2017/9/5	49.400	2018/1/2	49.400			197.600				
								144x30' RCC2 CR	197.6	2017/6/1	49.400	2017/11/29	49.400	2017/10/27	49.400	2018/1/29	49.400			197.600				
								60x30' RCC2 KG	48.4	2017/6/5	12.100	2017/6/5	12.100	2017/6/14	12.100	2017/6/14	12.100			48.400				
								WC 4booth	4.000	2017/8/22	1.000	2017/8/22	1.000	2017/10/23	1.000	2017/10/23	1.000			4.000				
Furniture480/240	31.2							2017/8/22	7.800	2017/8/22	7.800	2017/11/29	7.800	2017/11/29	7.800			31.200						
20x26' HM House	15.5							2017/6/1	3.875	2017/6/28	3.875	2017/6/28	3.875	2017/10/23	3.875			15.500						
Water System	1.000							2017/11/14	0.25	2017/11/14	0.250	2017/11/14	0.250	2017/11/14	0.250			1.000						
Total	692.900								173.225		173.225		173.225		173.225			692.900						
	100%								25.0%		25.0%		25.0%		25.0%			100.0%						
Lot-36 Total								692.900	173.225	173.225	173.225	173.225		692.900										
								7.2%	25.0%	25.0%	25.0%	25.0%		100.0%										
37	Rakhine							Rathedaung	312	Saw Lin Tun	BEHS-Ku Tang	144x30' RCC2 CR	200.48	2017/3/8	50.12	2017/10/9	50.120	2017/12/21	50.120	2017/2/14	50.120		200.480	
												60x30' RCC KG	41.91	2017/3/8	10.4775	2017/10/10	10.4775	2017/12/8	10.4775	2017/2/14	10.478		41.910	
												WC 4booth	3.2	2017/6/9	0.8	2017/6/9	0.800	2017/2/14	0.800	2017/2/14	0.800			3.200
												Furniture160/80	10.4	2017/10/9	2.6	2017/10/9	2.600	2017/2/14	2.600	2017/2/14	2.600			10.400
												20x26' HM House	14.38	2017/3/8	3.595	2017/10/10	3.595	2017/12/8	3.595	2017/2/14	3.595			14.380
												Water System	1.000	2017/2/14	0.25	2017/2/14	0.250	2017/2/14	0.250	2017/2/14	0.250			1.000
		Total	271.370		67.843		67.843						67.843		67.843			271.370						
			50.0%		25.0%		25.0%						25.0%		25.0%			100.0%						
		318	Saw Lin Tun	BEHS-Rathedaung	144x30' RCC2 CR	200.48	2017/3/8					50.12	2017/10/9	50.120	2017/12/21	50.120	2017/2/9	50.120		200.480				
					60x30' RCC KG	41.91	2017/3/8					10.4775	2017/10/10	10.478	2017/12/8	10.478	2017/2/9	10.478		41.910				
					WC 4booth	3.2	2017/6/9					0.8	2017/6/9	0.800	2017/2/9	0.8	2017/2/9	0.800		3.200				
					Furniture160/80	10.4	2017/10/9					2.600	2017/10/9	2.600	2017/2/9	2.600	2017/2/9	2.600		10.400				
					20x26' HM House	14.38	2017/3/8					3.595	2017/10/12	3.595	2017/12/21	3.595	2017/2/9	3.595		14.380				
					Water System	1.000	2017/2/9					0.25	2017/2/9	0.250	2017/2/9	0.250	2017/2/9	0.250		1.000				
		Total	271.370		67.843		67.843						67.843		67.843			271.370						
			50.0%		25.0%		25.0%						25.0%		25.0%			100.0%						
		Lot-37 Total										542.740	135.685	135.685	135.685	135.685		542.740						
												5.7%	25.0%	25.0%	25.0%	25.0%		100.0%						
38	Rakhine	Rathedaung	313	Byar La Thu Kha	BEHS-Sain Pymt	102x102'x30' RCC2 CR	272.000	2017/2/2	68.000	2017/7/20	68.000	2017/9/25	68.000	2018/1/9	68.000		272.000							
						60x30' RCC KG	48.400	2017/2/2	12.100	2017/6/27	12.100	2017/7/12	12.100	2018/1/2	12.100		48.400							
						WC 4booth	4.000	2017/10/31	1.000	2017/10/31	1.000	2017/10/31	1.000	2017/10/31	1.000			4.000						
						Furniture240/120	15.600	2017/8/22	3.900	2017/8/22	3.900	2017/10/31	3.900	2017/10/31	3.900			15.600						
						20x26' HM House	15.500	2017/6/1	3.875	2017/7/12	3.875	2017/10/2	3.875	2018/1/2	3.875			15.500						
						Water System	1.000	2018/1/2	0.250	2018/1/2	0.250	2018/1/2	0.250	2018/1/2	0.250			1.000						
						Total	356.500		89.125		89.125		89.125		89.125			356.500						
							62.3%		25.0%		25.0%		25.0%		25.0%			100.0%						
						343	Byar La Thu Kha	BEPS Oh Phauk	72x30' RCC2 CR	202.400	2017/2/2	50.600	2017/6/21	50.600	2017/7/20	50.600	2017/10/31	50.600		202.400				
									WC 4booth	2.000	2017/11/14	0.500	2017/11/14	0.500	2017/11/14	0.500	2017/11/14	0.500		2.000				
									Furniture160/80	10.400	2017/8/22	2.600	2017/8/22	2.600	2017/11/14	2.600	2017/11/14	2.600		10.400				
									Water System	1.000	2017/11/14	0.250	2017/11/14	0.250	2017/11/14	0.250	2017/11/14	0.250		1.000				
									Total	215.800		53.950		53.950		53.950		53.950		215.800				
										37.7%		25.0%		25.0%		25.0%		25.0%			100.0%			
						Lot-38 Total							572.300	143.075	143.075	143.075	143.075		572.300					
													6.0%	25.0%	25.0%	25.0%	25.0%		100.0%					
						39	Rakhine	Rathedaung	319	Paung Tun	BEHS-Laung Chung	144x30' RCC2 CR	199.440	2017/6/6	49.860	2017/12/4	49.860	2018/3/8	49.860		199.440			
												60x30' RCC KG	46.350	2017/6/6	11.5875	2017/8/22	11.588	2017/12/8	11.588	2018/2/28	11.588		46.350	
WC 4booth	3.250	2017/8/22	0.8125	2017/8/22																				

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Ks)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	Total Amount (Mil. Ks)							
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)									
39	Rakhine	Rathedang	369	Paing Tun	BEPS Thea Pyay Kyau	120x30' RCC2 CR	96.220	2017/6/6	24.0550									24.055						
						WC 2booth	1.920																	
						Furniture0/60	3.000																	
						Water System	1.000																	
						Total	102.140				24.0550											24.055		
Lot-39 Total							21.2%		117.328		93.273		92.543		17.533		320.675							
							5.0%		24.3%		19.3%		19.2%		3.6%		66.5%							
40	Rakhine	Mamuk-U	407	Max Trust	BEPS(3) Mamuk-U	120x30' RCC1 CR	84.76	2017/3/21	21.19	2017/6/29	21.190	2017/6/29	21.190	2017/9/5	21.19			84.760						
						60x30' RCC KG	43.55	2017/3/21	10.8875	2017/6/29	10.8875	2017/6/29	10.8875	2017/9/5	10.8875			43.550						
						WC 4booth	2.17	2017/9/6	0.5425	2017/9/6	0.5425	2017/9/6	0.5425	2017/9/6	0.5425			2.170						
						Furniture80/40	5.19	2017/9/5	1.2975	2017/9/5	1.2975	2017/9/5	1.2975	2017/9/5	1.2975			5.190						
						20x26' HM House	15.54	2017/3/21	3.885	2017/6/29	3.885	2017/6/29	3.885	2017/9/5	3.885			15.540						
						Water System	1.000	2017/9/6	0.25	2017/9/6	0.25	2017/9/6	0.25	2017/9/6	0.25			1.000						
			Total	152.210		38.053		38.053		38.053		38.053			38.053			152.210						
										33.3%		25.0%		25.0%		25.0%		25.0%		100.0%				
			408	Mamuk-U	Max Trust	BEPS Par Tau	144x30' RCC1 CR	188.62	2017/3/21	47.155	2017/8/29	47.155	2017/10/25	47.155	2017/10/25	47.155	2017/10/25	47.155			188.620			
							WC 2booth	1.53	2017/10/25	0.3825	2017/10/25	0.3825	2017/10/25	0.3825	2017/10/25	0.3825			1.530					
							Furniture120/60	7.79	2017/10/25	1.9475	2017/10/25	1.9475	2017/10/25	1.9475	2017/10/25	1.9475			7.790					
							20x26' HM House	15.54	2017/3/21	3.885	2017/8/29	3.885	2017/8/29	3.885	2017/10/25	3.885			15.540					
		Water System					1.000	2017/10/25	0.25	2017/10/25	0.25	2017/10/25	0.25	2017/10/25	0.25			1.000						
		Total					214.480		53.620		53.620		53.620		53.620			53.620			214.480			
									46.9%		25.0%		25.0%		25.0%		25.0%		100.0%					
		412	Mamuk-U	Max Trust	BEPS Payar Gy	120x30' RCC1 CR	85.85	2017/3/21	21.4625	2017/6/13	21.4625	2017/6/13	21.4625	2017/8/28	21.4625	2017/8/28	21.4625			85.850				
						WC 2booth	1.53	2017/8/28	0.3825	2017/8/28	0.3825	2017/8/28	0.3825	2017/8/28	0.3825			1.530						
						Furniture0/50	2.49	2017/8/28	0.6225	2017/8/28	0.6225	2017/8/28	0.6225	2017/8/28	0.6225			2.490						
						20x26' HM House	1.000	2017/8/28	0.25	2017/8/28	0.25	2017/8/28	0.25	2017/8/28	0.25			1.000						
						Water System	1.000	2017/8/28	0.25	2017/8/28	0.25	2017/8/28	0.25	2017/8/28	0.25			1.000						
						Total	90.870		22.718		22.718		22.718		22.718			22.718			90.870			
									19.9%		25.0%		25.0%		25.0%		25.0%		100.0%					
		Lot-40 Total							457.560		114.390		114.390		114.390		114.390		457.560					
									4.8%		25.0%		25.0%		25.0%		25.0%		100.0%					
41	Rakhine	Kyauk-Taw	380	Arrakha Myay	BEHS-(Branch) Myay Ma	144x30' RCC2 CR	203.600	2017/4/7	50.900	2017/10/31	50.900	2017/12/12	50.900	2018/3/14	50.900			203.600						
						WC 4booth	3.010	2018/3/14	0.753	2018/3/14	0.753	2018/3/14	0.753	2018/3/14	0.753			3.010						
						Furniture160/80	8.160	2018/3/14	2.040	2018/3/14	2.040	2018/3/14	2.040	2018/3/14	2.040			8.160						
						Water System	1.000	2018/3/14	0.250	2018/3/14	0.250	2018/3/14	0.250	2018/3/14	0.250			1.000						
						Total	215.770		53.943		53.943		53.943		53.943			53.943			215.770			
													32.5%		25.0%		25.0%		25.0%		25.0%		100.0%	
			381	Kyauk-Taw	Arrakha Myay	BEHS-Kan Saut	120x30' RCC1 CR	84.800	2017/4/7	21.200	2017/8/22	21.200	2017/8/22	21.200	2018/2/6	21.200	2018/2/6	21.200			84.800			
							WC 2booth	3.010																
							Furniture80/40	4.080	2018/2/6	1.020	2018/2/6	1.020	2018/2/6	1.020	2018/2/6	1.020			4.080					
							20x26' HM House	13.700	2017/8/22	3.425	2018/2/6	3.425	2018/2/6	3.425	2018/2/6	3.425			13.700					
							Water System	1.000											1.000					
							Total	106.590		25.645		25.645		25.645		25.645			25.645			106.590		
									16.1%		24.1%		24.1%		24.1%		24.1%		96.2%					
		388	Kyauk-Taw	Arrakha Myay	BEPS-Bayawar	60x30' RCC1(1) CR	42.400	2017/4/7	10.600	2017/9/26	10.600	2017/10/23	10.600	2018/2/6	10.600	2018/2/6	10.600			42.400				
						60x30' RCC1(2) CR	42.400	2017/4/7	10.600	2017/9/26	10.600	2017/10/23	10.600	2018/2/6	10.600			42.400						
						60x30' RCC KG	42.400	2017/4/7	10.600	2017/9/26	10.600	2017/10/23	10.600	2018/2/6	10.600			42.400						
						WC 2booth	1.840	2018/2/6	0.460	2018/2/6	0.460	2018/2/6	0.460	2018/2/6	0.460			1.840						
						Furniture80/40	4.080	2018/2/6	1.020	2018/2/6	1.020	2018/2/6	1.020	2018/2/6	1.020			4.080						
						20x26' HM House	13.700	2017/8/22	3.425	2018/2/6	3.425	2018/2/6	3.425	2018/2/6	3.425			13.700						
						Water System	1.000	2018/2/6	0.250	2018/2/6	0.250	2018/2/6	0.250	2018/2/6	0.250			1.000						
						Total	147.820		36.955		36.955		36.955		36.955			36.955			147.820			
													22.3%		25.0%		25.0%		25.0%		25.0%		100.0%	
						394	Kyauk-Taw	Arrakha Myay	BEPS-Toank Lay Min Tan	120x30' RCC1 CR	84.800	2017/4/7	21.200	2017/9/26	21.200	2017/10/20	21.200	2018/2/6	21.200	2018/2/6	21.200			84.800
										WC 2booth	1.840	2018/2/6	0.460	2018/2/6	0.460	2018/2/6	0.460	2018/2/6	0.460			1.840		
										Furniture0/50	2.200	2018/2/6	0.550	2018/2/6	0.550	2018/2/6	0.550	2018/2/6	0.550			2.200		
		Water System	1.000	2018/2/6	0.250					2018/2/6	0.250	2018/2/6	0.250	2018/2/6	0.250			1.000						
		Total	89.840		22.460						22.460		22.460		22.460			22.460			89.840			
										13.5%		25.0%		25.0%		25.0%		25.0%		100.0%				
		401	Kyauk-Taw	Arrakha Myay	BEPS-Pyang Chau	120x30' RCC1 CR	84.800	2017/4/7	21.200	2017/8/22	21.200	2017/8/22	21.200	2018/2/6	21.200	2018/2/6	21.200			84.800				
						WC 2booth	1.840	2018/2/6	0.460	2018/2/6	0.460	2018/2/6	0.460	2018/2/6	0.460			1.840						
						Furniture0/60	2.640	2018/2/6	0.660	2018/2/6	0.660	2018/2/6	0.660	2018/2/6	0.660			2.640						
						20x26' HM House	13.700	2017/8/22	3.425	2018/2/6	3.425	2018/2/6	3.425	2018/2/6	3.425			13.700						
						Water System	1.000	2018/2/6	0.250	2018/2/6	0.250	2018/2/6	0.250	2018/2/6	0.250			1.000						
						Total	103.980		25.995		25.995		25.995		25.995			25.995			103.980			
									15.7%		25.0%		25.0%		25.0%		25.0%		100.0%					
		Lot-41 Total							664.000		164.998		164.998		164.998		164.998		659.990					
							6.9%		24.8%		24.8%		24.8%		24.8%		99.4%							
42	Rakhine	Minbya	283	Arrakha Myay	Ma-Ayayun Taung	120x30' RCC1 CR	84.800	2017/2/20	21.200	2017/6/14	21.200	2017/7/31	21.200	2017/12/14	21.200			84.800						
						WC 4booth	1.840	2017/12/14	0.460	2017/12/14	0.460	2017/12/14	0.460	2017/12/14	0.460			1.840						
						Furniture0/30	2.150	2017/8/25	0.538	2017/8/25	0.538	2017/12/14	0.538	2017/12/14	0.538			2.150						
						Water System	1.000	2017/12/14	0.250	2017/12/14	0.250	2017/12/14	0.250	2017/12/14	0.250			1.000						
						Total	89.790		22.448		22.448		22.448		22.448			22.448			89.790			
													13.2%		25.0%		25.0%		25.0%		25.0%		100.0%	
			293	Minbya	Arrakha Myay	BEPS-Thit Pouk Taung	120x30' RCC2 CR	172.500	2017/2/20	43.125	2017/9/7	43.125	2018/3/14	43.125						172.500				
							WC 2booth	1.840																
							Furniture160	4.800																
							Furniture 80	3.440	2017/8/25	0.860	2017/8/25	0.860	2017/12/14	0.860	2017/12/14	0.860			3.440					
							20x26' HM House	13.700	2017/7/18	3.425	2017/12/12	3.425							13.700					
							Water System	1.000											1.000					
		Total	197.280		47.410		47.410		43.985		0.860			139.665										
									29.1%		24.0%		22.3%		0.4%			70.8%						

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Ks)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	Total Amount (Mil. Ks)						
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)								
47	Chin	Maupi	30	Royal Aung Hein Kyaw	BEPS-(Branch) Shar Thaine	120x30' RCC1 CR	121.000	2017/5/15	30.250	2017/7/21	30.250	2017/8/22	30.250					90.750					
						WC 4booth	4.000																
						Furniture80/40	5.200																
						Water System	1.000																
			Total		131.200				30.250		30.250		30.250		30.250					90.750			
					38.6%				23.1%		23.1%		23.1%		23.1%						69.2%		
			35		BEPS-Kay Lone	60x30' RCC1 CR	64.340	2017/5/31	16.085	2017/11/29	16.085										32.170		
						WC 2booth	2.000																
						Furniture0/40	2.000																
						Water System	1.000																
			Total		69.340			16.085		16.085											32.170		
					20.4%				23.2%		23.2%											46.4%	
			36		BEPS-Ngilar	60x30' RCC1 CR	64.340	2017/5/15	16.085	2017/9/5	16.085	2017/9/5	16.085								48.255		
						WC 2booth	2.000																
						Furniture0/50	2.500																
						Water System	1.000																
Total	69.840			16.085		16.085		16.085		16.085							48.255						
	20.6%				23.0%		23.0%		23.0%		23.0%							69.1%					
37	BEPS-Taung Bu	60x30' RCC1 CR	64.340	2017/4/24	16.085												16.085						
		WC 2booth	2.000																				
		Furniture0/40	2.000																				
		Water System	1.000																				
Total	69.340			16.085													16.085						
	20.4%				23.2%													23.2%					
Lot-47 Total							339.720		78.505		62.420		46.335			187.260							
							3.6%		23.1%		18.4%		13.6%			55.1%							
48	Mandaly	Bago(N)	Lappadan	Sky wings	PPS-Kyauk Aine	120x30' PL6' CR						Cancel											
						WC 2booth																	
						Furniture																	
						20x26' HM House																	
	Water System																						
	Total																		#DIV/0!				
	Magway	Sialokaya	Naung U		146	PPS-Aout pone	90x30' PL6' CR	55.270	2018/2/14	13.818	2018/2/14	13.818	2018/3/16	13.818					41.453				
							WC 2booth	1.170															
							Furniture60/30	3.900															
							Water System	1.000															
	Total	61.340				13.818		13.818		13.818		13.818							41.453				
		22.0%				22.5%		22.5%		22.5%		22.5%								67.6%			
	Mandaly	Meogyoke	Naung U		147	BEHS-(Branch) Baypadan	60x30' RCC1 CR	36.290	2018/1/18	9.073	2018/3/9	9.073							18.145				
							60x30' RCC KG	36.290	2018/1/18	9.073	2018/3/9	9.073									18.145		
							WC 2booth	1.170															
							Furniture20/10	1.300															
	20x26' HM House	10.900	2018/1/18		2.725	2018/3/9	2.725											5.450					
	Water System	1.000																					
	Total	86.950				20.870		20.870		20.870									41.740				
		31.1%				24.0%		24.0%		24.0%										48.0%			
	Mandaly	Meogyoke	Naung U		148	BEPS-Natresan	60x30' RCC1 CR	36.290	2017/12/21	9.073	2018/2/14	9.073							18.145				
							60x30' RCC KG	36.290	2017/12/21	9.073	2018/2/14	9.073									18.145		
							WC 4booth	2.600															
							Furniture20/10	1.300															
20x26' HM House	10.900	2017/12/21	2.725	2018/2/14	2.725											5.450							
Water System	1.000																						
Total	88.380			20.870		20.870		20.870									41.740						
	31.7%			23.6%		23.6%		23.6%										47.2%					
Mandaly	Meogyoke	Naung U	149	BEPS-Thone gym	60x30' RCC1 CR	39.400	2018/1/18	9.850	2018/3/9	9.850							19.700						
					WC 2booth	1.170																	
					Furniture0/20	1.000																	
					Water System	1.000																	
Total	42.570			9.850		9.850											19.700						
	15.2%			23.1%														46.3%					
Lot-48 Total							279.240		65.408		65.408					144.633							
							2.9%		23.4%		23.4%					51.8%							
49	Chin	Tomzan	12	Chin Hill Sun	BEMS-(Branch) Tweezanzan	60x30' PL6' CR	61.580	2017/2/17	15.395	2017/6/22	15.395	2017/6/22	15.395	2017/9/29	15.395	0.026	61.580						
						WC 4booth	4.000	2017/9/29	1.000	2017/9/29	1.000	2017/9/29	1.000	2017/9/29	1.000				4.000				
						Furniture33/17	2.170	2017/9/29	0.543	2017/9/29	0.54250	2017/9/29	0.543	2017/9/29	0.543	0.066			2.170				
						Water System	1.000	2017/9/29	0.250	2017/9/29	0.250	2017/9/29	0.250	2017/9/29	0.250					1.000			
			Total		68.750			17.188		17.188		17.188		17.188					68.750				
					34.3%			25.0%		25.0%		25.0%		25.0%						100.0%			
			13		BEPS-Khanzan	60x30' RCC1 CR	61.560	2017/2/17	15.390	2017/9/29	15.390	2017/9/29	15.390	2017/9/29	15.390	2017/9/29	15.390	0.353	61.560				
						WC 2booth	2.000	2017/9/29	0.500	2017/9/29	0.5	2017/9/29	0.500	2017/9/29	0.500				2.000				
		Furniture0/20				1.000	2017/9/29	0.250	2017/9/29	0.25	2017/9/29	0.250	2017/9/29	0.250				1.000					
		Water System				1.000	2017/9/29	0.250	2017/9/29	0.25	2017/9/29	0.250	2017/9/29	0.250					1.000				
		Total	65.560				16.390		16.390		16.390		16.390					65.560					
			32.7%				25.0%		25.0%		25.0%		25.0%						100.0%				
		14	BEPS-Tharzan		60x30' RCC1 CR	61.910	2017/3/17	15.478	2017/6/22	15.478	2017/6/22	15.478	2017/9/29	15.478	2017/9/29	15.478	0.026	61.910					
					WC 2booth	2.000	2017/9/29	0.500	2017/9/29	0.500	2017/9/29	0.500	2017/9/29	0.500	0.100			2.000					
					Furniture0/20	1.000	2017/9/29	0.250	2017/9/29	0.250	2017/9/29	0.250	2017/9/29	0.250				1.000					
					Water System	1.000	2017/9/29	0.250	2017/9/29	0.250	2017/9/29	0.250	2017/9/29	0.250					1.000				
Total	65.910			16.478		16.478		16.478		16.478					65.910								
	32.9%			25.0%		25.0%		25.0%		25.0%						100.0%							
Lot-49 Total							200.220		50.055		50.055		50.055		200.220								
							2.1%		25.0%		25.0%		25.0%			100.0%							

Lot No.	Region /State	Township	Code No.	Contractor	School Name	Facilities	Contract Amount (Mil. Ks)	First Payment(25%)		Second Payment(25%)		Third Payment(25%)		Fourth payment(25%)		L/D	Total Amount (Mil. Ks)					
								Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)	Date (y/m/d)	Amount (Mil. Ks)							
50	Chin	Tidem	4	Soe Moe Yadanar	BEMS (Branch - Fire)	60x30' RCC1 CR	59.690	2017/6/21	14.9225	2018/2/28	14.923	2018/2/28	14.923	2018/2/28	14.923		59.690					
						60x30' RCC KG	59.690	2017/7/14	14.9225	2018/2/28	14.923	2018/2/28	14.923	2018/2/28	14.923		59.690					
						WC 4booth	2.660	2017/3/5	0.665	2017/3/5	0.665	2017/3/5	0.665	2017/3/5	0.665		2.660					
						Furniture50/25	1.500	2018/2/28	0.375	2018/2/28	0.375	2017/3/5	0.375	2017/3/5	0.375		1.500					
						20x26' HM House	15.540	2017/6/14	3.885	2018/2/28	3.885	2018/2/28	3.885	2018/2/28	3.885		15.540					
						Water System	1.000	2018/2/28	0.250	2018/2/28	0.250	2018/2/28	0.250	2018/2/28	0.250		1.000					
					Total	140.080		35.020		35.020		35.020		35.020		140.080						
								34.4%		25.0%		25.0%		25.0%		100.0%						
					5	Soe Moe Yadanar	BEMS(Branch) Fire.	60x30' RCC1 CR	59.690	2017/7/7	14.923	2017/3/5	14.923	2017/3/5	14.923	2017/3/5	14.923		59.690			
								WC 4booth	2.660	2018/2/28	0.665	2018/2/28	0.665	2018/2/28	0.665	2018/2/28	0.665		2.660			
								Furniture50/25	1.500	2017/3/5	0.375	2017/3/5	0.375	2017/3/5	0.375	2017/3/5	0.375		1.500			
								Water System	1.000	2018/2/28	0.250	2018/2/28	0.250	2018/2/28	0.250	2018/2/28	0.250		1.000			
			Total	64.850					16.213		16.213		16.213		16.213		64.850					
									15.9%		25.0%		25.0%		25.0%		100.0%					
			11	Soe Moe Yadanar	BEMS(Maing lang)	60x30' RCC1 CR	59.690	2017/3/17	14.923	2017/5/20	14.923	2017/6/22	14.923	2017/10/3	14.923		59.690					
						60x30' RCC KG	59.690	2017/3/17	14.923	2017/5/20	14.923	2017/6/22	14.923	2017/10/3	14.923		59.690					
						WC 2booth	2.000	2017/10/13	0.500	2017/10/13	0.500	2017/10/13	0.500	2017/10/13	0.500		2.000					
						Furniture0/20	0.400	2017/10/13	0.100	2017/10/13	0.100	2017/10/13	0.100	2017/10/13	0.100		0.400					
						20x26' HM House	15.540	2017/3/21	3.885	2017/5/20	3.885	2017/10/13	3.885	2017/10/13	3.885		15.540					
						Water System	1.000	2017/10/3	0.250	2017/10/3	0.250	2017/10/3	0.250	2017/10/3	0.250		1.000					
			Total	138.320		34.580		34.580		34.580		34.580		138.320								
						34.0%		25.0%		25.0%		25.0%		100.0%								
			48	Soe Moe Yadanar	BEMS-Diamond	60x30' RCC1 CR	59.690	2017/6/21	14.923	2018/2/7	14.923	2018/2/7	14.923	2018/2/7	14.923		59.690					
						WC 4booth	2.660	2018/2/7	0.665	2018/2/7	0.665	2018/2/7	0.665	2018/2/7	0.665		2.660					
						Furniture20/10	0.600	2018/2/7	0.150	2018/2/7	0.150	2018/2/7	0.150	2018/2/7	0.150		0.600					
						Water System	1.000	2018/2/6	0.250	2018/2/6	0.250	2018/2/6	0.250	2018/2/6	0.250		1.000					
						Total	63.950		15.988		15.988		15.988		15.988		63.950					
									15.7%		25.0%		25.0%		25.0%		100.0%					
			Adjustment							407.200								79.490				
			Adjustment							0.004									0.004			
			Lot-50 Total							407.204	101.800	101.800	101.800	101.800		101.800		407.204				
										4.3%	25.0%	25.0%	25.0%	25.0%		25.0%		100.0%				
			51	Chin	Tidem	6	Thein Phyu Tun	BEPS- Gaungmual	90x30' RCC1 CR	84.280	2017/8/23	21.070	2017/8/23	21.070	2018/1/14	21.070	2018/1/14	21.070		84.280		
									60x30' RCC KG	59.690	2017/8/23	14.923	2017/8/23	14.923	2018/1/14	14.923	2018/1/14	14.923		59.690		
									WC 2booth	2.000	2018/1/14	0.500	2018/1/14	0.500	2018/1/14	0.500	2018/1/14	0.500		2.000		
									Furniture26/13	0.780	2018/1/14	0.195	2018/1/14	0.195	2018/1/14	0.195	2018/1/14	0.195		0.780		
									20x26' HM House	15.540	2018/1/14	3.885	2018/1/14	3.885	2018/1/14	3.885	2018/1/14	3.885		15.540		
									Water System	1.000	2018/1/14	0.250	2018/1/14	0.250	2018/1/14	0.250	2018/1/14	0.250		1.000		
								Total	163.290		40.823		40.823		40.823		40.823		163.290			
											35.1%		25.0%		25.0%		25.0%		100.0%			
								7	Thein Phyu Tun	BEPS - Twesauk	90x30' RCC1 CR	84.280	2017/3/23	21.070	2017/6/8	21.070	2017/7/4	21.070	2017/10/12	21.070		84.280
											60x30' RCC KG	59.690	2017/3/23	14.923	2017/6/8	14.923	2017/8/22	14.923	2017/10/12	14.923		59.690
											WC 2booth	2.000	2017/10/12	0.500	2017/10/12	0.500	2017/10/12	0.500	2017/10/12	0.500		2.000
											Furniture25/13	0.760	2017/10/12	0.190	2017/10/12	0.190	2017/10/12	0.190	2017/10/12	0.190		0.760
						20x26' HM House	15.540				2017/3/23	3.885	2017/8/22	3.885	2017/8/22	3.885	2017/10/12	3.885		15.540		
						Water System	1.000				2017/10/12	0.250	2017/10/12	0.250	2017/10/12	0.250	2017/10/12	0.250		1.000		
						Total	163.270		40.818		40.818		40.818		40.818		163.270					
									35.1%		25.0%		25.0%		25.0%		100.0%					
9	Thein Phyu Tun	BEPPS- Swainglot				60x30' RCC1 CR	59.690	2017/5/23	14.923								14.923					
						60x30' RCC KG	59.690	2017/5/23	14.923									14.923				
						WC 2booth	2.000															
						Furniture0/20	0.400															
						20x26' HM House	15.540															
						Water System	1.000															
Total	138.320					29.845										29.845						
						29.8%		21.6%								21.6%						
Lot-51 Total							464.880	111.485	81.640	81.640	81.640		81.640		356.405							
							4.9%	24.0%	17.6%	17.6%	17.6%		17.6%		76.7%							
Second Tender(Batch) TOTAL							9,566.177	2,347.3675	2,210.7100	2,091.0775	1,817.0150	0.5739		8,466.170								
							100.0%	24.5%	23.1%	21.9%	19.0%			88.5%								

Legend) RCCX: reinforced concrete structure X stories, RCC PL6': reinforced concrete structure, one-story with a floor height of 6 feet, Desks and chairs aa/bb: Desk and chairs for elementary schools/middle schools and high schools.

Chapter 4 Present Condition of DBE, Technical Assistance

4-1 Present Condition of DBE's Engineering Management

(1) DBE's staff for School Construction In charge

The Myanmar government budget for school construction was transferred from the Ministry of Education to the Ministry of Construction in April 2017, so the Ministry of Education only remained involved in school reconstruction to deal with funding from donors. Therefore, the Chief Engineer (CE) was assigned to double as the director of finance of DBE, but the actual number of workers did not increase.

Currently, the only engineers working under the CE doing double duty are the Assistant Engineer (AE) specializing in facility construction, and the construction management workers, and the only structural engineer is the overworked CE. With its current number of workers and fields of specialty, the DBE will have difficulty conducting bidding, contract negotiation, and construction monitoring for school construction on its own.

(2) School Selection/Facility Planning

For the 1st batch through the 4th batch, school selection and facility planning for the schools to be reconstruction was conducted by the CE alone. Because of this, there was no time to actually visit the sites of the schools to be reconstruction, so the plans for some schools in the 1st and 2nd batches did not reflect the requests of the schools.

(3) Myanmar School Standard Drawings

In Myanmar, schools are constructed using a school standard drawings, but the data of drawings is stored only on the Assistant Engineer's computer, and copied from this computer when necessary, such as for use for tenders. The DBE standard plan uses a reinforced concrete structure, with a roof made of steel trusses, but depending on the region, material transport can be difficult, so the DBE allowed wood-frame construction in some cases at the request of the contractors.

(4) Myanmar School Construction Specification

The DBE standard specification documents were attached to the tender documents, but the specifications do not include enough specifics for quality assurance, such as the required compressive strength of the concrete.

(5) School Construction Monitoring by the DBE

The CE made multiple inspections of two Yangon schools in the 1st batch (code no. 441, code no. 442), but inspections for other schools were left up to the township education departments or the schools themselves, and the DBE itself conducted few to no inspections.

4-2 Technical Guidance

(1) DBE Standard Drawings Improvement Guidance

At the time of tender document preparation for each batch, the consultants provided the following guidance on how to improve the DBE standard drawings. (See Appendix 4.)

Table 4-1 Main Contents of the DBE Standard Drawings Improvement Guidance

No.	Item	Problem Point	Improvement Guidance
1	Drawing List	In some cases, necessary drawings were missing from the tender documents, due to the fact that there was no list of tender drawings included in the tender documents.	A list of tender drawings was made, and DBE staffs used the list during the tender document preparation period to confirm that all necessary drawings were included in the tender documents.
2	Site Plan/Layout Plan	No building layout plan was included in the tender drawings.	Cannot currently be created, due to the fact that no site surveys were conducted prior to tender. After selecting a contractor for each lot, the contractors shared the building layout plans as confirmed with the schools.
3	Dimensions of Plan and Elevation in the Architectural Drawings	The necessary dimensions were not specified in the drawings.	Many missing dimensions were requested to be included, such as the floor level, stair height, number of steps, handrail height, etc.
4	Width/Landing Width Of Staircase	The stair's width was only 5 feet wide. The proposed Myanmar building codes mandate a stair width of at least 6 feet for school building.	The width of the stairs and landings were requested to be widened to 6 feet. (The span length of the staircase was increased from 10 feet to 12 feet.)
5	Riser Height of Stair	A riser height of 7.5 inches is too high for primary school pupils.	It was suggested that the riser height should be changed to 6 inches, appropriate for primary school pupils.
6	Footing Size	The same footing size was used regardless of soil bearing capacity.	It was suggested that the footing dimensions should be decided upon after a soil test to confirm the soil bearing capacity.
7	Rebar diameter of stirrups and hoops	A thin rebar (6 mm) was used for stirrups and hoops to reduce cost.	Not enough rebar area was included for shear reinforcement, so it was suggested that stirrups and hoops diameter be increased.
8	Hooks of Column Main Bar's Top End	There was no detailed drawing for the hooks which must be included at the top end of the columns. At some schools, contractors did not make hooks.	Without hooks, the column cannot be anchored to the beams, so a detailed section drawing of the hooks was added to the column drawing.
9	Anchorage of Column Bottom End into Footing	The plans did not specify the length of column bottom end needed for anchorage.	The rebar length for the column bottom end was added to the drawings.
10	Anchorage of Beam's Rebar into Columns	The section drawings did not specify the beam's rebar length needed for anchorage, or its location.	The section drawing of the beam anchorage was revised, and dimensions past the hook were specified.

No.	Item	Problem Point	Improvement Guidance
11	Slab Thickness	The slabs were only 4 inches thick, so enough concrete could not be secured to appropriately coverage of the slab reinforcement bars from above and below.	The slab thickness was requested to be increased from 4 inches to 6 inches.
12	Steel Members Thickness of Steel Roof Truss	The thickness of the steel members was not listed.	Steel thickness appropriate for welding was specified on the diagram at 5 mm for steel channel, and 4 mm for steel angle.
13	Arrangement Interval for Roof Light Gauged Steel (LGS) Purlins	The roof LGS purlin interval was wider for corridor roofs than for classroom roofs, causing concern that the roof might be blown off during cyclones. This kind of damage is already common in the corridor of existing schools.	It was requested that the corridor roof purlin interval be decreased to match the classroom roof purlin interval.
14	First Floor Height of Classroom Building	The only elevated first floor height type available was for a 6 feet elevation. According to a school survey, the water level reached 6 feet at some schools.	A 7 feet first floor height type building was added.
15	Toilet Floor Height	The toilet standard drawing only include an elevation for a floor height of 1.5 feet, meaning that the toilets cannot be used during the rainy season.	Elevation were added for a toilet with 5 feet high floor, which can be used during the rainy season.

Chapter 5 Steering Committee, Working Committee and Joint Coordination Meeting

5-1 Steering Committee (SC)

The role of the Steering Committee (SC) in this project was to grasp the progress of implementation status and funding status. The SC checked the progress reports submitted by the DBE, and also checks the yearly accounting audit reports from the Myanmar Auditor of Accounts, etc.

The first meeting of the Steering Committee was held on November 13th, 2015, with the participation of the Ministry of Education, the Embassy of Japan, and the JICA Myanmar office.

Table 5-1 First Steering Committee Meeting

Date	Main Content
13 November 2015	<ul style="list-style-type: none"> • Check and approval of initial expenditure linked indices. • Following signing of the GA and PD, opening of an account at the Myanmar Economic Bank (MEB) etc., the Ministry of Education submitted the application form and invoice for the first payment (75% of 1.5 Billion yen) to JICA. • The future schedule was agreed upon.

The second Steering Committee was held on November 20, 2017 with the participation of the Ministry of Education, Japan Embassy, JICA Myanmar office, etc.

Table 5-2 Second Steering Committee Meeting

Date	Main Contents
20 November 2017	<ul style="list-style-type: none"> • For payment twice, Myanmar prepared a progress report and confirmed achievement of 30% in volume. • JICA requested DBE to submit an Audit Report. • JICA requested DBE to prioritize Rakhine state school construction in the 3rd batch. • Request for improved communications between DBE and local education office. • Request for improved supervision and inspection. • DBE requested consultants to cooperate on improving the standard drawing

5-2 Working Committee (WC)

In addition to the coordination committee meeting detailed above, this committee serves to convene JICA-DBE discussion meetings, with participation from DBE (DG, DDG, CE, etc.), the JICA Myanmar office, and consultants.

Table 5-3 Topics of the Working Committee Meetings (June, 2016 to February, 2018)

Date	Main Contents
27 June 2016	Bidding status / Tender evaluation for the 1 st batch, contract delays, and future prospects. Problems with the bidding documents, construction monitoring. Schedule after the 2 nd batch.

Date	Main Contents
17 October 2016	<ul style="list-style-type: none"> • DBE provided JICA with a progress report on the schools where construction/renovation had been started or had ended. • The construction of 156 schools was completed by DBE itself, reaching 30 % of the 493 school target. ⇒ Review the status of the submitted documents and consider future responses (because 30 % completion under the BBB principles for construction/renovation was a condition for disbursement). The following plan was established: return to the Ministry of Planning and Finance once again regarding the carry forward, then apply again in the next fiscal year. • The exchange rate from Japanese yen to Myanmar kyat was fixed at 10.08, the rate at the time of contract signing. (Later, it turned out that the rate at the time of cashing was applied.) • The members of the supervising team held discussions within DBE and were to report to JICA in the next week. (But there was no progress.) • Problematically, there was assumed to be a successful bidder if only one firm was called in a lot. Therefore, two firms would have to be called in each lot for clarification of the 2nd batch. • It was agreed that the bid for the 2nd batch should be awarded by the third week of November 2016.
22 November 2016	<ul style="list-style-type: none"> • In order to extend the PD deadline, it was determined to be necessary to open the Steering Committee in February 2017 and sign the Amendment by April 2017. • Confirmed the BBB principles. • The 156 schools rebuilt/restored by DBE did not include support from China but included private aid. • The 30% rate of school completion, a condition for the second payment, required that the schools conform to the BBB principles, but they could also include GGP, JICS, UNICEF, and BAJ support. • DBE was to collect data on the 156 schools that DBE had rebuilt/restored since November 25 based on the consultant proposal form, and the deadline for submitting the form was to be December 15. • In total, 75% of the remittance was in yen accounts and not converted to MMK. • DBE confirmed whether the budget could be carried forward to the next fiscal year by the Ministry of Planning and Finance (MOPF). • DBE prepared the Baseline Data. • The 2016 - 2017 budget was to begin in December 2017, and the program for the 2015 - 2016 Audit was unnecessary. • JICA requested DBE to appoint a person responsible for this matter, and DBE agreed. Soe Moe Yandar of Lot-46 and Lot-50, and Thein Phyu Tun of Lot-51 were family companies, hence there was doubt about their construction abilities. The need to review their abilities was recognized.

Date	Main Contents
	<ul style="list-style-type: none"> DBE had requested MOC of the Ministry of Construction for cooperation with the construction monitoring team and was still awaiting a reply.
7 December 2016	<p><u>Status of measures taken on issues from the previous meeting</u></p> <ol style="list-style-type: none"> DBE asked the State/Regional Education Office (S/REO) to submit data for each school on the 25th of December. DG instructed the S/REO, Township Education Office (TEO) to submit details on the status of school restructuring/recovery, including a BBB completion status report. DG was to attend a meeting on budget carry forward with the Ministry of Planning and Finance (MOPF) on the 13th of December. DG instructed the Chief Engineer (CE) to forecast the expenditure by the first week of March 2017. DG instructed the Assistant CE to investigate the number of students before and after the disaster at the target school. The work plan for the previous issue had not progressed. We requested cooperation with construction monitoring from the MOC of the Ministry of Construction but received no answer. <ul style="list-style-type: none"> Steering Committee: To be held in the first week of March 2017. PD extension: The DB agreed to extend the PD period from 12 months to 18 months. PD needs to be amended within 6 weeks. PD Annex VI: Request for Disbursement and Flow of Grants (Flowchart of funds) : MOE's Program Account (MMK) at MEB and S/REO's MD Account was deleted because it did not pass. Update of the list of 493 schools: There were 464 actual schools, because some of the schools listed overlapped. It was necessary to update the latest numbers, because circumstances had changed for several schools. Chargers such as GGP, JICS, UNICEF, etc. were constantly changing. The DBE budget covered 77 schools out of the 156 schools it had reconstructed/restored itself, so DBE submitted detailed data on the latter. Request for a list of supervising teams: The consultant requested DBE to create a list of schools with the following details included: the principal supervising the school, the TEO, the Township Engineer's name and mobile phone number. DBE agreed. Expense Status Table: The consultant gave DBE a form for producing a table to monitor the status of expenditure on contractors, and requested DBE to submit the table with updated expenditure status for each expenditure. DBE agreed. BBB Checklist: The consultant gave DBE a checklist to confirm whether the school rebuilding/restoration conformed to the BBB principles. 3rd batch target schools: DBE had yet to decide upon the reconstruction/restoration in 46 schools. For the 3rd batch, the consultant asked that 13 to 14 schools from the inaccessible North Rakhine province be excluded from the expendable amount.

Date	Main Contents
	<ul style="list-style-type: none"> School furniture: DBE-JICA agreed to arrange two-seat desks and benches for elementary and junior high schools and single-seat desks and chairs for high schools.
6 February 2017	<ul style="list-style-type: none"> The 30% rate of school completion stipulated as a condition for the second payment still required the approval of the Steering Committee. This may have included schools completed by GGP, JICS, UNICEF, and BAJ. Completed data had to be submitted by DBB's 158 schools conforming with the BBB principles. YEC was to cooperate with this. JICA strongly urged DBE to submit a Financial Report specifying the rate of exchange to MMK, payment amount / due date to contractors, etc. 3rd batch target school: There were many schools without furniture, so there were also plans to commit half of the budget into furniture purchases. Request to the Ministry of Construction for cooperation with construction monitoring: No response had yet been received from the Ministry of Construction yet, so requests were being addressed to engineers from the MOE's Department of Higher Education (DHE). JICA advised the construction superintendent team that it would also be possible to use part of the budget. Baseline Data: Contact was to take place at a later date, because there were no classrooms in the Baseline Data submitted by DBE. PD Amendment: The PD Amendment had to be signed before February 24. → The extended-period PD Amendment was signed on February 6. YEC confirmed YEC confirmed that a Monthly Progress Meeting to collect contractors was to be held every month, DBE agreed.
15 February 2017	<ul style="list-style-type: none"> Proposition of the previous Minutes: Delete "After DG meeting with his staff, DG signed on GA and PD." of GA/PD Revisions (Revised Date / Signer). Financial Report: DBE exchanged DBE exchanged 375,000,000 yen on December 8, 2016 at the exchange rate of 11.52. JICA requested the remaining yen to be converted to MMK as soon as possible. The completion of 30 % of schools: DBE was to cooperate with consultants to provide evidence. Supervision Team: DBE was requesting cooperation from the Higher Education Bureau (DHE). A construction check performed by the Township Education Officer and Township Engineer was indispensable, and a workshop to strengthen capacity at the local level would be meaningful. 3rd batch target schools: A 3rd batch of approximately 30 target schools was considered possible, when calculating at an exchange rate of 11.52. By the next liaison meeting about 16 schools were added, and DBE submitted a list of 30 target schools. These could be selected from all 643 schools (not limited to the 493 schools).

Date	Main Contents
	<ul style="list-style-type: none"> Steering Committee: To be held in the third week of March, due to end-of-term and entrance examinations.
9 March 2017	<ul style="list-style-type: none"> The 30% rate of school completion: Confirm whether the 103 schools completed by DBE conformed to the BBB principles. Steering Committee: A committee meeting on the 26th of April was planned, since the 30 % completion rate had not yet been reached. Bid for the 3rd batch: There was no clear response in spite of urgent requests to hasten preparations in view of the nearing rainy season. Check the present condition of the 1st batch and 2nd batch: Sharing problem support. Supervision Team: There was no response even after the situation was confirmed with DBE. Explained that the applicable exchange rate for the first payment was 10.08. Discussion on the delivery ceremony of the Yangon completed school. Two schools were to be completed at the end of March.
3 April 2017	<ul style="list-style-type: none"> The 30% rate of school completion: A completed list was required to close the Steering Committee Meeting of the 26th of April, so a consultant presented a completed school list for DBE to the Steering Committee Meeting. Confirmed the applicable exchange rate for deciding on the 3rd batch budget. No conclusion was reached. DBE reported on the schools whose contracts had been canceled in the 1st and 2nd batches. The delivery ceremony for Yangon Lot-31 will be moved toward the 3rd of May.
25 July 2017	<ul style="list-style-type: none"> JICA gave explanations to DG on the GA second draft and modifications of the PD. Discussed the progress (status of delays) and quality issues of the 1st and 2nd batches. The 3rd batch school selection had not progressed in the past two months. An early decision was requested. The time spent on school construction was increased as a result of the promotion of Mr. Khin Aung to the position of Director. JICA requested DBE to have engineers supervise construction at an early stage. The first payment exchange rate was 10.08, leaving 13,245 million kyat in remaining funds. There was a difference of 1,875 million kyat, however, from the actual rate usable under the designated procedures.
29 August 2017	<ul style="list-style-type: none"> The Amendment to the Grant Agreement (GA) and Programme Document (PD) was signed JICA confirmed the exchange rate and budget with DBE. YEC submitted a list of 41 schools for the 3rd batch and requested expedited bidding preparations so as to start construction in the rainy seasons.

Date	Main Contents
	<ul style="list-style-type: none"> • DBE had to verify 30% completion in the overall progress of school constructions for the second payment and continue discussing the arrangements for the Steering Committee.
6 December 2017	<ul style="list-style-type: none"> • Confirmed the proposed minutes of the Steering Committee Meeting. • JICA gave DBE explanations on the approvals for the second payment. • DBE explained that 30% of the second payment could be used as the 2018 budget (April - September) but that the remaining 70% would compose the 2018-2019 budget. • JICA requested DBE to change from the Thandwe school to the Kyauk Phyu school in the batch of 12 candidate schools. (Thandwe was not covered because it had not been affected by flooding as of 2015.) • Discussed the 4th batch, including the 10 3rd batch schools and 12 schools in Rakhine State. It was agreed that the 3rd batch bid would be conducted before April 2018.
25 January 2018	<ul style="list-style-type: none"> • Q&A on the system for carrying forward the budget for the first payment. • JICA requested DBE to implement the 3rd batch in the 2017 - 2018 budget. • In the 4th batch, JICA requested DBE to consult with the state education office on the selection of the 15 schools in Rakhine State promised by the Japanese government.
27 February 2018	<ul style="list-style-type: none"> • Confirmed the list of the target schools in the 3rd batch • Consulted on JICA's support system for the 4th batch: Launch of the field survey team. Bidding support. Cooperation system and division of roles. • Proposal to appropriate the 4th batch construction monitoring fee from the 25% budget.

5-3 Joint Coordination Committee (JCC)

The Embassy of Japan (EOJ) convened a monthly coordination committee meeting consisting of the parties involved in the Grant Aid of 5 billion yen for the reconstruction of disaster-damaged schools (EOJ, DBE, JICA, JICS, UNICEF, BAJ). The DG and Chief Engineer from DBE attended the meetings to make up the Working Committee mentioned above.

Table 5-4 Joint Coordination Meeting

Date	Main Contents
16 February 2016	Reviewed the DBE's target schools according to the planning GGP and JICS school.
17 March 2016	Withdrew the bidding notice published on the 11 th of March announcing the 120 schools for which DBE had not made adjustments. Re-published schools without overlap.
24 May 2016	Reviewed the subject schools of CBE based on the subject schools almost fixed by UNICEF and JICS.
24 August 2016	<p>DBE: In the 1st batch, contracts had been completed for 22 schools (6 lots).</p> <p>In the 2nd batch, the sale of tender document for 67 schools (20 lots) started on the 30th of August with the deadline set for the 29th of September.</p> <p>DBE considered action on the 46 schools "under consideration" out of the list of 493 schools.</p>

Date	Main Contents
25 October 2016	<p>Supervision over the preparation of a report on the construction content of 156 schools by DBE and another donor to the department and state personnel.</p> <p>DBE proposed that the remaining 2nd batch budget be passed on to furniture (desk chairs, blackboards) for the above 156 schools. As it is connected to BBB, JICA had no issues with the furniture procurement, but Headquarter approval was required. JICA is planning to prepare a budget that clearly specifies the procurement contents.</p> <p>The remaining 50 of the 86 schools were to be funded with DBE budget.</p> <p>It remained undetermined how the 3rd batch was to be kept within the remaining budget.</p> <p>The 75% deposit was fixed at the exchange rate at the time of payment, 10.08.</p> <p>MES is not involved in construction monitoring. Although DG fielded the idea of asking the Ministry of Construction to continue last time, it had not materialized.</p>
10 December 2016	Adjustments concerning the 493 schools.
21 March 2017	Checked progress status of each scheme.
20 October 2017	Checked progress status of each scheme.

Chapter 6 Public Relations and Workshop on School Construction

6-1 Reporting by the Myanmar Ministry of Education and the Japanese Government

(1) PR at the Handover Ceremony for the First School Completed in the 1st Batch

- Date and Time: August 4th, 2017 (Friday) 9: 30-12: 00
- Location: Htantbin Township, Yangon
- School Name: Ywar Thit Elementary School (1st batch Lot-31, Code No. 441)
- Guest of Honor: Myanmar Education Minister Dr. Myo Thein Gyi,
Japanese Ambassador to Myanmar Tateshi Higuchi
- News Media Institutions: Newspaper: New Light of Myanmar (state-sponsored daily)
Television: Skynet (major domestic television company)
- Pamphlet Distribution: PR pamphlets were created for this programme, and distributed to the attendees at the ceremony. (See attachment 14.)



Figure 6-1 Public Relations Pamphlet

Figure 6-2 Newspaper Article (August 5th, 2017)



Figure 6-3 Tape Cutting by Ambassador and Education Minister

(2) 2nd Batch Joint Completion/Handover Ceremony

Scheduled Time Period: June 2018

Location: Sittwe, Rakhine State

A joint handover ceremony for the 39 schools constructed in Rakhine State as part of the 2nd batch is planned for the start of the new school term in June. The Education Minister will of course be in attendance at this ceremony, and the date is also being determined so that the newly appointed Ambassador Maruyama may also attend.

As with the handover ceremony for the completed 1st batch schools, newspapers and television outlets will provide coverage of the event, and are expected to spread news of Japan's support for Rakhine State widely among the people of Myanmar.

Target Schools:

Lot-32: 4 schools, Lot-33: 2 schools, Lot-34: 4 schools, Lot-35: 2 schools, Lot-36: 1 schools, Lot-37: 2 schools, Lot-38: 2 schools,

Lot-40: 3 schools, Lot-41: 5 schools, Lot-42: 5 schools, Lot-43: 2 schools, Lot-44: 2 schools, Lot-45: 2 schools, 39 schools total

6-2 Workshop on School Construction

On July 29, 2016, the parties involved in the 1st batch of this program (DBE, the State / Regional Education Offices involved in the 1st batch target schools, the Township Education Offices, school principals, JICA, UNICEF, SDC, and JICS) gathered at a high school hall near the MOE and DBE in Nay Pyi Taw to hold a workshop on school construction. The main topics covered were BBB, engineering/construction, quality assurance, and maintenance.

Venue: B.E.H.S-6 Hall, Nay Pyi Taw

Attendance: DBE, JICA, UNICEF, SDC, JICS, JICA Expert, Township Education Officer / Headmaster in Chin State; Deputy Director / District Education Officer / Township Education Officer in Ayeyarwady Region; Deputy Director / District Education Officer / Township Education Officer in Mandalay Region; Deputy Director / District Education Officer / Township Education Officer in Rakhine State; District Education Officer/Township Education Officer in Bago Region (Total 75 persons)

Workshop Program:

- | | |
|--------|---|
| 09: 30 | Registration |
| 10: 00 | Opening Announcement by the Department of Basic Education (DBE) |
| 10: 05 | Opening Address by U Aung Than Oo, Director General of DBE, MOE |
| 10: 20 | Introduction of Participants by DBE Chief Engineer |
| 10: 40 | Introducing of the Programme by the DBE/JICA Technical Team |
| | BBB (Built Back Better) |
| | How to maintain school facilities in sustainable conditions |
| | Questions and Answers |
| 12: 00 | Lunch Break |

- 13: 00 Technical Guidance by U Khin Aung, DBE Chief Engineer
- 13: 10 Technical Guidance by the JICA Technical Team
- Typical Process of School Facility Construction
- Basic Construction Materials and Technical Points (Strength and Proof Stress)
- Construction Scheduling
- Construction Monitoring Points / Quality Control
- 15: 30 Questions and Answers
- 16: 00 Closing Address



Figure 6-4 Photo of Workshop on 29th July, 2016

Content / Material: See attachment no. 8

Chapter 7 Current Issues and Future Suggestions

7-1 Current Issues

(1) Completion Status of 1st Batch and 2nd Batch (April 2018)

Table 7-1 Completion Status of 1st Batch and 2nd Batch (April 2018)

Region/State	Number of Schools	Completed	in Progress	Expected Completion Date
Rakhine	39	32	7	May:2, June:3, August: 2schools
Chin	31	25	6	June:3 schools, July:3school
Ayeyarwady	6	5	1	August:1school
Mandalay	3	0	3	July:3schools
Yangon	2	2	0	
Magway	1	0	1	July:1school
Total	82	64	18	

(2) 1st Batch

As of April 2018, sixteen schools have been completed in the 1st batch, and the construction of 3 schools in Lot-28 have not. In addition, the roads to two of the four schools initially contracted for Lot-26 were destroyed, and the schools could not be accessed, so the contracts were canceled.

Table 7-2 Completion Status of 1st Batch (April 2018)

Lot	Region/State	Township	Number of Schools	Completed	in Progress	Expected Completion Date
21	Chin	Hakha	5	5	0	
22	Chin	Hakha Htantlang	5	5	0	
23	Chin	Falam	2	2	0	
26	Chin	Mindat	2	2	0	
28	Chin	Paletwa	3	0	3	End of June 2018×3
31	Yangon	(N)Okkalapa Htantabin	2	2	0	
Total			19	16	3	

1) Lot-28

As of April 2018, the 1st batch has completed five lots of 16 schools. Three schools in Lot-28 have not yet been completed. The following factors are responsible for the delay.

- No skillful construction companies have shown interest in this area, because Lot-28 is located south of Chin State, an area where security is poor.
- It takes much more time to transport materials to the area than normal. Boats are the only available transport, and they have to be small because of the shallow river water.
- The Lot-28 contractor cannot report on the progress because it doesn't recognize the status of construction.

2) Lot-26

There were 4 schools in Lot-26, but two of them broke off their contracts because their construction sites could not be accessed even during dry seasons.

- Cause: failure to check whether construction access was possible during the school selection process.

(3) 2nd Batch

As of April 2018: 48 schools had been completed in the 2nd batch and the construction of 15 schools was still underway.

Table 7-3 Completion Status of 2nd Batch (April 2018)

Lot	Region/State	Township	Number of Schools	Completed	in Progress	Expected Completion Date
32	Rakhine	Sittwe	4	4	0	
33	Rakhine	Ponna gyun	2	2	0	
34	Rakhine	Ponna gyun	4	4	0	
35	Rakhine	Pauk Daw	2	2	0	
36	Rakhine	Rathedaung	1	1	0	
37	Rakhine	Rathedaung	2	2	0	
38	Rakhine	Rathedaung	2	2	0	
39	Rakhine	Rathedaung	3	2	1	End of June 2018
40	Rakhine	Maruk-U	3	3	0	
41	Rakhine	Kyauk-Daw	5	5	0	
42	Rakhine	Minbya	5	1	4	End of May×2, End of June×2
43	Rakhine	Maung Daw	2	0	2	End of August 2018×2
44	Rakhine	Maung Daw	2	2	0	
45	Rakhine	Kyauk-Phyu/Man Aung	2	2	0	
46	Ayeyarwady	Ngapudaw/Zalun/Thabaung/Danubyu	6	5	1	End of August 2018
47	Chin	Matupi	4	1	3	End of July 2018
48	Magway, Mandalay	Sidoktaya/ Naung-U/Moegyoke	4	0	4	End of July 2018×4
49	Chin	Tomzan	3	3	0	
50	Chin	Tidem	4	4	0	
51	Chin	Tidem	3	3	0	
Total			63	48	15	

- 1) Lot-39
Delayed by deteriorating security conditions in Rakhine State.
- 2) Lot-42
Delayed by deteriorating security conditions in Rakhine State and an inability to transport materials by boat due to shallow river water.
- 3) Lot-43
Delayed by deteriorating security conditions in Rakhine State.)
- 4) Lot-46
One of the schools was already being constructed by another donor, so it was changed to another school. Construction was subsequently delayed by flooding in the dry season.
- 5) Lot-47
Delayed by bad weather in the outback of Chin State.
- 6) Lot-48
Construction was interrupted by a rethinking of the construction management system after the consultant found many construction defects in a survey. The contractor was also very slow in restarting construction, which resulted in further delay.

(4) 3rd Batch

The minister’s approval of the 3rd batch tender was received on March 14, and the tender is currently being prepared.

The consultant has modified drawings in the bid documents and prepared the prequalification documents for the contractor.

In the 1st and 2nd batches, no system was in place to emphasize the technical review in the bidder determination by DBE. This is expected to improve in the 3rd batch.

There was also a need to establish a construction monitoring system as soon as possible to cope with pending problems.

(5) 4th Batch

The selection of target schools is in progress, focusing on Rakhine State. The third SC is planned for the latter half of April 2018.

JICA Myanmar office will hire a local consultant to survey schools and prepare the tender documents in preparation for the tender.

Establishing a monitoring system will be a challenge, just as it was for the 3rd batch.

7-2 Future Suggestions

(1) Problems, Consultant Advice, and Future Improvements

The current round of surveys encountered the following major problems, listed below.



The consultants provided as much advice and support as possible, but since the counterpart for this project is a government, in many cases, customary practices could not be changed, so in some cases, advice was not heeded, and some problems could not be solved. These were collated for future improvement strategies.


Table 7-4 Problem, Consultants Advice, and Future Improvement

No.	Problem	Consultant Advice	Future Improvement
School Selection Stage			
1.	<p>Because DBE did not conduct a survey of target schools (on-site survey) prior to tender, the facility scale, floor height, desk and chair size and quantity did not match the request from the school in many cases.</p> <ul style="list-style-type: none"> DBE passed out a survey form, and based on reports submitted by schools, Chief Engineer alone determined the selection of schools and the numbers of classrooms and desks, without any reflection of the requests from the 	<ul style="list-style-type: none"> Where possible, schools were visited and asked directly for required changes to the contract before the contract was concluded. The required changes were forwarded to DBE and the contract contents were altered. (1st and 2nd batches). For 3rd batch a survey of candidate schools was conducted and the tender contents (floor height, furniture quantity) were revised. 	<ul style="list-style-type: none"> Before finalizing tender contents, DBE needs to discuss with regional education offices and schools in order to approximate the details of the work. On-site surveys of all target schools must be conducted prior to tender. The survey and selection of target schools must not be conducted by DBE, but by a third-party institution.

No.	Problem	Consultant Advice	Future Improvement
	regional education offices or school head masters.		
2.	From the 3 rd batch, it took 18 months to select the target schools and the completion of the programme was pushed back significantly. Personnel changes among the upper levels of MOE continued, and the selection of schools was delayed due to the persons in charge being absent or busy. The top-down flow of decision-making means organizational strengths cannot be utilized.	<ul style="list-style-type: none"> Status reports were made to JICA Myanmar office and requests were made at the coordination meetings to bring forward the selection, but promises made at the meetings were empty and no progress was made. 	<ul style="list-style-type: none"> Construction of schools for basic education should be entrusted to the local education departments from the school selection stage through the project implementation stage, while the DBE must take on the higher-level work of evaluating school selections and handling construction funds.
Quality of Tender Documents			
3.	<ul style="list-style-type: none"> As there are no architectural engineers at the DBE, no standard drawings and specifications have been prepared capable of ensuring sufficient quality. Drawing data used for improvement guidance were not properly stored. Drawings were looked up and printed for each tender, and modifications needed to be made repeatedly to the same drawings. 	<ul style="list-style-type: none"> Guidance was offered on how to improve drawings from a safety point of view, starting from the first survey. (Width of stairs, height of stairway steps, correct bar arrangement etc.) A structural particular specification form was created, and tests to necessary to ensure the construction of safe buildings were made compulsory in the contract. For the 3rd batch, the drawings were revised in Japan, and the data size was reduced. In addition, PDF data was divided by type, reducing the work required to create tender documents. 	The Swiss Agency for Development and Cooperation (SDC) drafted and proposed a prototype design diagram (design and specifications) for a higher quality Myanmar school with three classrooms and a staff room, so standard plans must be improved based on this proposal. There are no architectural engineers at the DBE, so school construction quality level should be improved in collaboration with engineers from the Ministry of Construction.
Selection of Successful Tenderer			
4.	<p>A scheme for choosing eligible contractors has not been established.</p> <ul style="list-style-type: none"> So long as the tender price was not lower than the minimum amount determined by MOE, a tenderer with poor construction management ability could receive orders. Evaluation of contractor's technical abilities was not taken seriously enough. In order to prevent collusion 	<ul style="list-style-type: none"> For the 1st batch, documents for technical evaluation could not be submitted prior to the tender, so submission was requested as an addendum following the tender, and as a result of the technical evaluations, three lots were disqualified. For the 2nd batch, submission of a work process flow chart and organizational chart was requested in the tender 	For the DBE to eliminate contractors with poor technical abilities from tender, the tender system must be revised such that contractors must pass a pre-qualification inspection in order to participate in the general bidding.

No.	Problem	Consultant Advice	Future Improvement
	with contractors individual clarification meetings with tenderers were not allowed. As a result, pre-contract checks were inadequate.	document, and a technical evaluation was conducted. <ul style="list-style-type: none"> The same documents were prepared for the 3rd batch, and have been submitted to the DBE. 	
Construction Monitoring / Inspection			
5.	<p>Because schools and Township Education Offices were not provided with copies of any of the contract documents (Price breakdown, condition of contract, contract drawings, specifications), they have no knowledge of the contents of the contract.</p> <p>In addition, since the schools did not possess copies of the drawings, they could not conduct verifications or inspections to assess whether construction was progressing according to the contract documents.</p>	<ul style="list-style-type: none"> When DBE was requested to distribute copies of the contracts to the schools and regional education offices, they replied that they would order the contractors to do so. From 2nd batch, the submission of copies of the contract from the contractor to the school and regional education office was made compulsory and written in the tender conditions. Copies of the drawings and specifications were brought along on school visits and handed over directly to the school principals, and an explanation was given, with using construction monitoring check sheets, on points of consideration related to construction monitoring. <p>(Photo on the right: at Mogok School No.147)</p>	<ul style="list-style-type: none"> Relevant parties from the regional education offices must meet the contractors at the time of contract signing, to be made fully aware of the contents of the contracts. Therefore, it is better that the contracts should be drawn up in the regions where the schools are located. 
6.	<p>Construction materials were brought into the sites without prior material approval or receiving inspection, so some contractors used inferior materials for construction in order to make a profit.</p> <ul style="list-style-type: none"> Cracked or warped wooden materials were used despite being flawed. 	<ul style="list-style-type: none"> For schools to which visits were possible, interim inspections and completion inspections were conducted, and the parts which did not meet the required quality standards were ordered to be exchanged or fixed. A list was made of all materials for which a sample or catalog submission, or mockup would be required for approval, and this was explained to contractors before the conclusion of the 2nd batch contracts. A new list was re-prepared for the 3rd batch of tender 	<ul style="list-style-type: none"> Shoddy construction took place because material approvals have rarely been required so far in the monitoring of school construction in Myanmar. Contractors are required to attend the monthly meetings, so samples should be submitted from each company during the meetings. A system of prior material approval will not become customary unless the construction monitor imposes a rule stipulating that approval must be obtained before construction can begin.

No.	Problem	Consultant Advice	Future Improvement
7.	<p>As construction monitoring was not conducted, site management was left up to the contractors, but due to the poor technical ability of the contractors themselves there were cases where quality management was not conducted at all.</p> <ul style="list-style-type: none"> • Floor level lower than specified in drawings. • Columns erected without casting foundation (footing) concrete. 	<p>documents, in which the submission was added as a required condition.</p> <ul style="list-style-type: none"> • Surveys and inspections were carried out at schools for which school visits were possible. • In cases where construction was deemed unsatisfactory, reports were made to DBE and JICA Myanmar office, construction was suspended, and appropriate instructions were given. On sites where foundations were improperly built, the foundations were dismantled and rebuilt correctly. • In schools where corner-cutting was found, contractors were involved in meetings where the problem points in the current construction and future points of consideration for construction monitoring were explained to the school principal and construction committee members. (Photo on the right: Saelan School No.146) 	<ul style="list-style-type: none"> • Improvement of the tender method can enable exclusion of contractors lacking technical ability. • Township engineers should be involved in this job. • Local construction consultants should be involved within the construction budget to make regular monitoring inspections. 
8.	<p>Some contractors barely submitted any construction progress reports (monthly reports).</p> <ul style="list-style-type: none"> • They attended monthly meetings to receive their payment, empty-handed without having prepared the monthly reports, and when they were asked the details of the work, it turned out that they did not grasp the status of the site (one contractor from the 1st batch, two contractors from the 2nd batch). 	<ul style="list-style-type: none"> • The DBE also put pressure on these contractors at monthly meetings, but they could not be contacted after the meeting because their phones were switched off, so the construction status could not be ascertained. 	<ul style="list-style-type: none"> • A condition must be added to the contract whereby payment will not be made if a report is not submitted to JICA. (The DBE must be proactive about this.)
Checking of Payment			
9.	<p>There were lots where payment was carried out even though the partial completion conditions were not met.</p>	<ul style="list-style-type: none"> • After checking the progress and the payment status based on monthly progress reports, DBE was warned that some 	<p>After 3rd batch, local consultants must be involved to continue checking achieved volumes and payment status.</p>

No.	Problem	Consultant Advice	Future Improvement
	<ul style="list-style-type: none"> • Due to the school headmaster and TEO being unaware of the partial payment conditions designated in the contract, they signed the completion form whenever asked to do so by the contractor. • If the signatures of the school headmaster and TEO are present, DBE carries out payment without confirming the completed amount of construction. 	<p>sites not meeting the required conditions had nonetheless been paid.</p> <ul style="list-style-type: none"> • During the school and township visits, the TEOs and school headmasters were instructed on how to check the completion of each part of the construction using an inspection check sheet annotated with reference photos. <p>(Photo on the right: Seminar for the target school township TEOs at the Rakhine State Education Office)</p>	
Progress Delay			
10.	<p>There were lots where progress was significantly delayed.</p> <ul style="list-style-type: none"> • Due to the lack of accessibility assessment in the preliminary survey, even when contracts were concluded, work could not begin. (Trucks could not make deliveries because the roads were in poor condition. Boats could not be used because the rivers had dried up.) • Security worsened following the start of construction, so enough workers did not come to work. • Work was interrupted for long periods due to contractors' negligence and their financial problems. 	<ul style="list-style-type: none"> • Clearing of roads accessing the sites falls outside of the scope of the contracts, so local cooperation is required. DBE was asked to find a solution, but ultimately, the only possible solutions were to cancel the contract or to tolerate significantly delayed work. • Nature phenomenon such as river water level is inevitable. Flexible scheduling is suggested. • No funds-handling problems at this time. 	<ul style="list-style-type: none"> • The accessibility of the school can be confirmed in advance through a phone call or e-mail to the regional education office, so a thorough survey of accessibility must be made by DBE at the time of school selection. • The inclusion of local consultants is requested in order to conduct thorough preliminary surveys

(2) Grant aid programmes in financial assistance to the Ministry of Education of the Government of Myanmar

Financial assistance grant aid programmes are a new scheme by which funding is donated to a partner country, and the government of the partner country can conduct procurement under its own system. A characteristic of financial support grant aid is to “provide broad financial support for the implementation of policies/projects being undertaken by partner governments, and execute projects not according to an institution but according to the procurement rules set out by the partner government.”

The schools targeted by this programme, which were damaged in the flooding and landslides which occurred between July and August 2015, range across a wide region, including some difficult-to-access regions. In

addition, depending on the level of damage, some schools required rebuilding, expansion, repair, and other work, so it would have been extremely difficult to draft and implement a detailed recovery plan within a short time frame.

In some areas, foreigners are restricted from entry due to public safety concerns, and 493 schools were included in the list which would have been difficult to deal with under other schemes. However, Japan's financial support grant aid allowed the Ministry of Education to conduct school rebuilding projects in all the affected regions.

In addition, by using the grant aid, by following the standard designs and tender methods used by the Ministry of Education up until now, the implementation period could be shortened.

This programme was based on the plan that "while a preliminary cooperative preparatory survey will not be conducted, information gathering and applicability checks will be conducted instead." Therefore, a Japanese consultant was employed to assist the partner government with target site selection, engineering, and construction monitoring.

The foremost purpose of the Japanese consultant's work was "to provide technical support with the school reconstruction plan (including engineering) to be implemented by the Myanmar Ministry of Education and supported by the Japanese government, to aid with construction status information gathering, procurement and to offer quality support on reconstruction schools in line with the 'BBB' principle." However, the consultant also offered advice on the tender documents for the 1st through 3rd batches under the principle of "① Resilient facilities must be constructed which can withstand future disasters and meet Myanmar's design standards.", as stated in "Chapter 4 4-2 (1) DBE Standard Plan Improvement Guidance." For example, regarding construction of facilities which satisfy the first item in BBB principle ①, "facilities with safe and appropriately-sized stairways," the consultant offered technical guidance on how to improve standard plans (architectural diagrams, construction diagrams) for the width of stairways and landings, railing height, stair rise height, step size, etc. In addition, the consultant provided technical advice on how to improve the durability of the buildings by improving architectural structure, standard plans, and special specifications.

Regarding "elevated floors for schools in delta regions," the DBE determined the floor heights for each school to be reconstructed before tender, based on a survey chart of the target schools. However, when the consultants performed surveys of each school, they found that the floor elevation level was below the level of the flood water, leaving the schools open to inundation by floods, so the floor elevation was revised appropriately before the contracts were signed. For the target schools in the 3rd batch, the consultant conducted an on-site survey in advance of tender, and advised the DBE on changes that should be made to the school facility plans so that the schools would be sufficiently elevated to escape the danger of flooding. Regarding "sanitary facilities," toilet and water supply facilities were expanded for 82 schools which received reconstruction funding in the 1st and 2nd batches.

Regarding "inclusion of preschool classrooms" under BBB principle ②, "guarantee better education under education reforms currently being implemented," a total of 105 new classrooms were added under this programme: 11 wings for the 1st batch (33 classrooms), 17 classroom buildings for the 2nd batch (51

classrooms), 5 wings for the 3rd batch (15 classrooms), and 2 wings for the 4th batch (6 classrooms, currently under selection).

Beyond this, to “expand classroom facilities to upgrade post-primary school (PPS) to middle school,” this programme included target schools offering PPS (through school year 6): one school in the 1st batch, and nine schools in the 2nd batch. For PPS to be upgraded to middle school (through school year 8), two classrooms must be added. Ten schools multiplied by 9 school years (including kindergarten) = a need for 90 classrooms in total, but only 48 classrooms were added to the 10 PPS schools in the 1st and 2nd batches, meaning that 42 more classrooms must still be constructed. However, these 10 schools have other existing classrooms that can be used, so if residents of the school districts request an upgrade to middle school, implementation of this programme has prepared the schools to upgrade at any time.

“Installation of a staff room” was not included in the reconstruction plans, but expansion of the number of classrooms enabled the staff to use pre-existing classrooms at the school facilities, so as a result, staff rooms were made available nonetheless.

For “installation of school headmaster’s and teachers’s lodgings (if necessary),” school headmaster’s lodgings were installed at 11 schools in the 1st batch and 34 schools in the 2nd batch.

As stated above, the initial “BBB” principle goals for school facility reconstruction were largely achieved.

As to the question of whether financial assistance grant aid enabled a reduction of costs or not, the average area unit cost for the contract value of the 2nd batch was 402,000 MMK/m² (about 35,000 yen /m²), which was about 96% of the scheduled DBE value for the 2nd batch, meaning that the contracts were completed at the standard Myanmar market price for school construction. Therefore, from a cost perspective, the financial assistance grant aid lived up to expectations, and achieved a reduction in costs.

The secondary purpose of the Japanese consultant was to “To check the budget execution and construction progress status of the project to be implemented by the Myanmar Ministry of Education and supported by the Japanese government, and make sure that the project is completed without delay.” To this end, the consultant received payment status information every week, assessed it along with the completion status, and sent reports to the JICA Myanmar office.

In addition, to monitor construction progress status, the Ministry of Education held monthly progress meetings, at which it received progress reports from the construction contractors, and checked over any problems with quality or workflow in cooperation with the DBE. Information was shared regarding problem points and points of improvement.

However, the school selection and tender process for the 3rd batch and beyond did not proceed smoothly due to various circumstances at the project counterpart (the DBE), which made it impossible to complete the project in the originally planned period of time.

The main reason for the delay was due to the top-down decision-making structure at the Myanmar Ministry of Education, which prevented the departments responsible for the project from putting their organization power to work until policy was decided upon at the top level

Still, the top management cannot provide a detailed policy on school selection, so after the project department manager unilaterally created a target school selection proposal, the proposal stopped at the top management level, and precious time was lost.

School selection and compilation of facility plans is not a job that can be performed by a single central government official. The parties who are most aware of the circumstances surrounding the disaster-damaged schools are the township departments of education, and the regional and state departments of education which received the reports from the townships. Though the proliferation of the internet and mobile phones allows easy communication with remote regions, this programme did not take regional education department voices into account during the school selection phase, and even after school selection, the regional and state education departments were not informed of the results. If this type of situation continues within the Myanmar government, project completion will take even more time.

Going forward, to implement effective school construction, responsibility for school selection, tender monitoring, and construction monitoring should be shifted from the central government to regional and state education departments. Consultants who visited the regional and state education departments met with local education officials who expressed strong agreement with this idea.

Furthermore, if Japanese consultants are to be employed, the status, identity, and duties of the consultants must be clarified. Based on the fact that the financial assistance grant aid programme does not clearly specify the role of consultants, and that the counterpart government is not able to effectively make use of the consultants' advice, the below contents should be incorporated into the PD created during the time of the G/A.

- Consultant's recommendation complete with a clear description of consultant status, identity and duties
- Small preliminary survey for consultant selection
- Basic conditions for recommended consultant duties:
 - ① Advice and support to the counterpart government on review of the basic plan, detailed engineering, tender document creation, tender examination, and the process of contractor selection.
 - ② Advice and support to the counterpart government on work monitoring during project implementation.
- The consultant fees shall be paid for out of the grant aid.
- Clarify tax exemptions for long-term stay visas for consultants.
- Clarify items which require JICA approval and the consultant term of duty.

Until now, the Myanmar Ministry of Education has built several thousand public primary and middle school classrooms per year, but staff numbers are insufficient, and it is difficult to monitor progress and quality by themselves, so most is reliant on the good faith of the construction contractors. If orders are placed with construction contractors with poor technical ability, the schools may not be structurally sound, and other quality problems may arise, and the work period will be extended. In order to prevent these problems from recurring, the entire process from tender method to contractor selection should be improved.

It is advisable that DBE of the MOE and regional education offices communicate and cooperate more closely with a view to constructing schools where students can receive satisfactory education.

APPENDICES

- Appendix 1 Survey Team Member List
- Appendix 2 List of 493 Schools to be Repaired/reconstructed due to the flood caused by Cyclone Komen in June and July 2015
- Appendix 3 Completion Status of 1st Batch/2nd Batch 82 schools
- Appendix 4 Improvement Suggestion Table to DBE Standard School Drawings
- Appendix 5 Additional Particular Structural Specification for DBE Tender
- Appendix 6 Tender Evaluation Result for 1st Batch Tender
- Appendix 7 Tender Evaluation Result for 2nd Batch Tender
- Appendix 8 Materials for Workshop for Supervision of School Construction
- Appendix 9 Sample of Tender Form for Evaluation of 3rd Tender
- Appendix 10 Inspection sheet for school building
- Appendix 11 Programme Pamphlet for Public Relations
- Appendix 12 Tender Form
- Appendix 13 Bill of Quantities for Evaluation of 3rd Tender
- Appendix 14 Public Relations Pamphlet
- Appendix 15 List of Collected Data and Documents

Appendix 1 Survey Team Members List

Appendix 1 Survey Team Members List

Name	Assignment	Position
Naoyuki Minami	Chief Consultant / Monitoring of Programme Progress / Public Relations	Yachiyo Engineering Co., Ltd.
Tetsuo Yatsu	Sub Chief Consultant	Yachiyo Engineering Co., Ltd.
Kenji Ohara	Advice to Design, Procurement and Construction Supervision (1)	Yahiya Engineering Co., Ltd.
Teruo Kurumada	Structural Plan / Earthquake Resistant Design	Yachiyo Engineering Co., Ltd.
Aya Haraguchi	Advice to Design, Procurement and Construction Supervision (2)	Yachiyo Engineerig Co., Ltd.

Appendix 2

**List of 493 Schools to be Repaired/reconstructed
due to the flood caused by Cyclone Komen in
June and July 2015**

Appendix 2 List of 493 Schools to be Repaired/reconstructed due to the flood caused by Cyclone Komen in June and July 2015

As of 15th March, 2018

No	State	Township	Name of School	Estimates (Mil.MMK)	Remarks	changed	Scheme	DBE/ JICA	DBE/ JICA 3rd-B	DBE/ JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
1	Chin	Kanpetlet	BEPS - Pinlaung	19.8000	New		GGP(2016)					1							
2	Chin	Kanpetlet	BEPS - Yaungtwee	19.8000	New		Myat Noe Thu Construction Company										1		
3	Chin	Kanpetlet	BEPS - Outying	19.8000	New		GGP(2016)					1							
4	Chin	Tiddim	BEMS (Branch) - Fire	140.8880	New		J-MOE 2	1											
5	Chin	Tiddim	BEMS (Branch) - Fire	64.8500	New		J-MOE 2	1											
6	Chin	Tiddim	BEPPS - Gaungmual	163.2900	New		J-MOE 2	1											
7	Chin	Tiddim	BEPPS - Tweesauk	163.2700	New		J-MOE 2	1											
8	Chin	Tiddim	BEMS - Kagin	19.8000	New		J-MOE 2	?											1
9	Chin	Tiddim	BEMS - Swaungdot	138.3200	New		J-MOE 2	1											
10	Chin	Tiddim	BEMS - Htinzan	19.8000	New		J-MOE 2	?											1
11	Chin	Tiddim	BEMS - Maunglang	138.3280	New		J-MOE 2	1											
12	Chin	Tonzang	BEMS (Branch) - Tweekainzan	68.7500	New		J-MOE 2	1											
13	Chin	Tonzang	BEMS - Khantzan	65.5600	New		J-MOE 2	1											
14	Chin	Tonzang	BEMS - Thartzan	65.9100	New		J-MOE 2	1											
15	Chin	Htantlang	BEMS (Branch) - HtanAu	150.9300	New		J-MOE 1	1											
16	Chin	Paletwa	BEMS (Branch) - Bohdagama	185.4200	New		J-MOE 1	1											
17	Chin	Paletwa	BEPPS - Myoma	71.0000	New		DBE									1			
18	Chin	Paletwa	BEPPS - Ramree	19.8000	New		DBE									1			
19	Chin	Paletwa	BEMS - Sinohhwa (1)	19.8000	New		DBE									1			
20	Chin	Paletwa	BEMS - Sikeha	19.8000	New		DBE									1			
21	Chin	Paletwa	BEMS - Ponedaw	19.8000	New		move location, under consideration by MOE												1
22	Chin	Paletwa	BEMS - Wetchaung	132.7400	New		J-MOE 1	1											
23	Chin	Paletwa	BEMS - Wunchaungwa	132.5800	New		J-MOE 1	1											
24	Chin	Falam	BEMS - Tarl	61.2690	New		J-MOE 1	1											
25	Chin	Falam	BEMS - Theeli	61.2690	New		J-MOE 1	1											
26	Chin	Mindat	BEHS (Branch) - Aukhyaing	29.7000	New		J-MOE 1→3		1										
27	Chin	Mindat	BEMS - Ro	29.7000	New		J-MOE 1→3		1										
28	Chin	Mindat	BEPPS - Chyaing	138.5000	New		J-MOE 1	1											
29	Chin	Mindat	BEMS - Khuhtu	114.3200	New		J-MOE 1	1											
30	Chin	Madupi	BEHS (Branch) - Shartaline	131.2000	New		J-MOE 2	1											
31	Chin	Madupi	BEHS - Lailinpi	39.6000	New		GGP(2016)					1							
32	Chin	Madupi	BEMS (Branch) - Taungbu	19.8000	New		on hold (inaccessible)												1
33	Chin	Madupi	BEMS - Sakhaing	19.8000	New		GGP(2016)					1							
34	Chin	Madupi	BEMS (Branch) - Hmuntong	19.8000	New		on hold (inaccessible)												1
35	Chin	Madupi	BEMS - Kaylone	69.3400	New		J-MOE 2	1											
36	Chin	Madupi	BEMS - Ngalar	69.8400	New		J-MOE 2	1											
37	Chin	Madupi	BEMS - Taungbu	69.3400	New		J-MOE 2	1											
38	Chin	Hakha	BEHS (3)	404.9200	New		J-MOE 1	1											
39	Chin	Hakha	BEMS - Zokhwar	188.8300	New		J-MOE 1	1											
40	Chin	Hakha	BEMS - Myohaung	251.9900	New		J-MOE 1	1											
41	Chin	Hakha	BEMS - Myohaung	75.0100	New		J-MOE 1	1											
42	Chin	Hakha	BEMS - Khwarbe	61.4900	New		J-MOE 1	1											
43	Chin	Hakha	BEMS - Beolthae	61.4900	New		J-MOE 1	1											
44	Chin	Hakha	BEMS - Mannue	61.4900	New		J-MOE 1	1											
45	Chin	Hakha	BEMS - Lonhnan	61.4900	New		J-MOE 1	1											
46	Chin	Hakha	BEMS - Lonhauk	19.8000	New		J-MOE 1→3		1										
47	Chin	Hakha	BEMS - Haitalan	61.4900	New		J-MOE 1	1											
48	Chin	Tiddim	BEPPS - Dainloe	63.9500	repair		J-MOE 2	1											
49	Sagaing	Kani	BEMS (Branch) - Linponeyay	28.8000	New		JICS					1							
50	Sagaing	Kale	BEHS (Branch) - Htomar	180.0000	New		GGP (2015-2)					1							
51	Sagaing	Kale	BEMS (Branch) - Nankyinsauing	180.0000	New		District's own budget											1	
52	Sagaing	Kale	BEMS (Branch) - Nanchaung	180.0000	New		GGP (2015-2)					1							
53	Sagaing	Kale	BEMS (Branch) - Nanchaungpu	252.0000	New		Private Fund (from JICS)												1
54	Sagaing	Kale	BEMS (Branch) - Mawlitakaly (Ha)	252.0000	New		GGP (2015-2)					1							
55	Sagaing	Kale	BEMS (Branch) - Thabpanaing	180.0000	New		Chinese Embassy(from JICS)												1
56	Sagaing	Kale	BEPPS - Natkyikone (Kar)	43.2000	New		GGP(2016)					1							
57	Sagaing	Kale	BEMS - Natnan	108.0000	New		JICS					1							
58	Sagaing	Kale	BEPPS - Kyaukkar	168.0000	New		GGP (2015-1)					1							
59	Sagaing	Tamu	BEPS (Branch) - Putthar	180.0000	New		GGP(2016)					1							
60	Sagaing	Tamu	BEPS (Branch) - Minthamee	252.0000	New		GGP(2016)					1							
61	Sagaing	Tamu	BEPPS - Ahhlaw	120.0000	New		GGP(2016)					1							
62	Sagaing	Tamu	BEMS - Kanan (2)	108.0000	New		GGP(2016)					1							
63	Sagaing	Kani	BEMS (Branch) - Linponeyay	5.3220	repair	X	part of 49											1	
64	Sagaing	Kani	BEPPS - Ngarphyet	0.0700	repair	New	JICS					1							
65	Sagaing	Kanbalu	BEMS (Branch) - Pazigyit	1.5990	repair	New	JICS					1							
66	Sagaing	Kale	BEMS (Branch) - Yayshin	0.5020	repair	New	JICS					1							
67	Sagaing	Kale	BEMS (Branch) - Mawlitakaly	1.2000	repair		Private Fund (from JICS)												1
68	Sagaing	Kale	BEMS (Branch) - Mawlitakaly	3.2000	repair		Chinese Embassy(from JICS)												1
69	Sagaing	Kale	BEMS (Branch) - Thabpanaing	0.1380	repair		Chinese Embassy(from JICS)												1
70	Sagaing	Kale	BEMS (Branch) - BEMS (5)	0.5000	repair	New	JICS					1							
71	Sagaing	Kale	BEMS (Branch) - BEMS (6)	0.7500	repair	New	JICS					1							
72	Sagaing	Kale	BEPPS - Natkyikone (Kar)	9.1000	repair	X	District's own budget												1
73	Sagaing	Kale	BEMS (Branch) - Aung Thar Yar	0.9810	repair		JAIF (confirmed by JICA)												1
74	Sagaing	Salingyi	BEMS - Welgyi	1.9450	repair		repaired by MOE (by JICS)												1

No	State	Township	Name of School	Estimates (Mil.MMK)	Remarks	changed	Scheme	DBE/ JICA	DBE/ JICA 3rd-B	DBE/ JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
75	Sagaing	Salingyi	BEMS - Tone	0.1240	repair	New	JICS				1								
76	Sagaing	Budalin	BEPPS - Ywarthar	0.2000	repair	New	JICS				1								
77	Sagaing	Mingin	BEPS - Kyaytaungoo	1.0000	repair	New	JICS				1								
78	Sagaing	Monywa	PPS-Htaungtaung(Ma)	0.0500	Repair	New	JICS				1								
79	Sagaing	Ayardaw	SPS-Katoetkaing	0.5000	Repair	New	JICS				1								
80	Bago(East)	Kawa	SMS(Branch)-Thar Yar Gone	3.5000	Repair	New	JICS				1								
81	Bago(East)	Bago	PPS-Naing Thar Yar	0.9000	Repair	New	JICS				1								
82	Bago(East)	Bago	PPS- Myot Lay	0.6000	Repair		J-MOE 3		1										
83	Bago(East)	Bago	PPS-Oat Thar Myot Thit	2.5000	Repair	New	JICS				1								
84	Bago(East)	Nyaung Lay Pin	SHS(Branch)-Nga Pyay Ma	0.4000	Repair		GGP (2016)				1								
85	Bago(East)	Gyobingauk	SMS-Htan Gone	40.0000	New		GGP (2015-1)				1								
86	Bago(West)	Gyobingauk	SPS-Beithalun Sitkone	40.0000	New		JICS				1								
87	Bago(West)	Gyobingauk	SPS-Min Oh	40.0000	New		GGP (2015-1)				1								
88	Bago(West)	Zee Gone	SPS-Kywe Tae'	21.6000	New		University of Thailand										1		
89	Bago(West)	Min Hla	SHS-Shwe Laung	60.0000	New		JICS				1								
90	Bago(West)	Min Hla	SMS(Branch)-Htan Pin Gone	60.0000	New		GGP (2015-2)				1								
91	Bago(West)	Min Hla	SMS(Branch)-Di Hlaing Theyet	60.0000	New		GGP (2015-1)				1								
92	Bago(West)	Min Hla	PPS-Chaung Net	60.0000	New		JICS				1								
93	Bago(West)	Min Hla	PPS-Nyaung Pin(Na)	60.0000	New		JICS				1								
94	Bago(West)	Min Hla	SPS-Sun Lan Gone	40.0000	New		JICS				1								
95	Bago(West)	Min Hla	SPS-Di Hlaing	40.0000	New		JICS				1								
96	Bago(West)	Min Hla	SPS-Natamin	40.0000	New		JICS				1								
97	Bago(West)	Min Hla	SPS-Pauk Chaung	40.0000	New		not necessary by JICS												1
98	Bago(West)	Moe Nyo	SPS-The' Yoe(2)	40.0000	New		JICS				1								
99	Bago(West)	Moe Nyo	SPS-Auk Sein Taing	40.0000	New		JICS				1								
100	Bago(West)	Latpadan	SHS-Kamon Seit	60.0000	New		JICS				1								
101	Bago(West)	Latpadan	SMS-Taw La Tha	60.0000	New		GGP (2015-1)				1								
102	Bago(West)	Latpadan	PPS-Kyauk Aine	60.0000	New		GGP (2015-1)				1								
103	Bago(West)	Latpadan	PPS-Kyauk Aine	40.0000	New		J-MOE 2→3		1										
104	Bago(West)	Latpadan	PPS-Aung Lan Gone(2)	60.0000	New		JICS				1								
105	Bago(West)	Latpadan	SPS(Branch)-Kyun Thar Yar	40.0000	New		JICS				1								
106	Bago(West)	Latpadan	SPS-Kyi Chaung	40.0000	New		JICS				1								
107	Bago(West)	Latpadan	SPS-Kyi Gone(1)	40.0000	New		JICS				1								
108	Bago(West)	Latpadan	SPS-Chaung Thone Kwa	60.0000	New		GGP (2015-2)				1								
109	Bago(West)	Latpadan	SPS-Ngat Pyaw Taw	60.0000	New		GGP (2016)				1								
110	Bago(West)	Latpadan	SPS-Nyaung Gone(1)	60.0000	New		JICS				1								
111	Bago(West)	Latpadan	SPS-Nyaung Pin Thar	60.0000	New		JICS				1								
112	Bago(West)	Latpadan	SPS-Taw La Tha Ashey Zone	60.0000	New		JICS				1								
113	Bago(West)	Latpadan	SPS-Lae Tee	60.0000	New		JICS				1								
114	Bago(West)	Latpadan	SMS-Taw La Tha	40.0000	New	X	part of 101											1	
115	Bago(West)	Latpadan	SMS-Mahar Paung	60.0000	New		JICS				1								
116	Bago(West)	Latpadan	SMS-Mahar Paung	60.0000	New		part of 115											1	
117	Bago(West)	Okpho	SPS(Branch)-Bawgabala	40.0000	New		JICS				1								
118	Bago(West)	Okpho	SPS(Branch)-Aung Thuka	40.0000	New		GGP (2015-1)				1								
119	Bago(West)	Okpho	SPS- Tet Swae	60.0000	New		GGP (2015-1)				1								
120	Bago(West)	Shwe Taung	SPS-Nyaung Pin Hla	40.0000	New		JICS				1								
121	Bago(West)	Zee Gone	SMS-Thit Napar	0.2100	Repair	New	JICS				1								
122	Bago(West)	Pan Taung	SHS- Sin Tae'	0.3000	Repair	New	JICS				1								
123	Bago(West)	Latpadan	SPS-Thapyaymya	0.3500	Repair	New	JICS				1								
124	Magway	Gangaw	SMS(Branch)-Pyin Thar	43.2000	New		GGP (2015-2)				1								
125	Magway	Gangaw	SMS(Branch)-Pyin Thar	43.2000	New	X	part of 124											1	
126	Magway	Pakokku	SPS-Tout Shar Pin	21.6000	New		GGP (2015-2)				1								
127	Magway	Pwintbyu	SHS(Branch)-Htaung Gone	19.8000	New		GGP (2015-1)				1								
128	Magway	Pwintbyu	S.M.S (branch)Sedaw	21.6000	New		GGP (2015-1)				1								
129	Magway	Pwintbyu	S.P.S Minmyay new ward	21.6000	New		JICS				1								
130	Magway	Pwintbyu	S.P.S Monemyint	21.6000	New		JICS				1								
131	Magway	Pwintbyu	S.P.S -Ywarhtaung	21.6000	New		JICS				1								
132	Magway	Sidoktaya	S.M. S(branch)Thansi	60.0000	New		GGP(2016)				1								
133	Magway	Sidoktaya	P.P.S-Ngale	60.0000	New		GGP(2016)				1								
134	Magway	Sidoktaya	P.P.S-No. (1)	80.0000	New		GGP(2016)				1								
135	Magway	Sidoktaya	P.P.S-Aout Pone	61.3400	New		J-MOE 2	1											
136	Magway	Sidoktaya	P.P.S-Awnn	40.0000	New		GGP(2016)				1								
137	Magway	Sidoktaya	S.P.S-Chinpyitkaing	40.0000	New		GGP(2016)				1								
138	Magway	Sidoktaya	S.P.S-Pwintaut	60.0000	New		GGP(2016)				1								
139	Magway	Pakokku	S.H.S-(branch) Ayardaw	0.5000	Repair	New	JICS				1								
140	Magway	Pwintbyu	S.P.S-Kyaunpinsi	0.2200	Repair	New	JICS				1								
141	Magway	Aunglan	S.H.S(2)	15.5000	Repair	New	JICS				1								
142	Magway	Aunglan	S.M.S(branch)Ngapyin	0.5000	Repair		DBE								1				
143	Magway	Aunglan	P.P.S-Nanzupin	0.3000	Repair	New	JICS				1								
144	Magway	Aunglan	S.P.S-Kyawswar	0.5000	Repair	New	JICS				1								
145	Magway	Aunglan	S.M.S-Zaeyar	0.5000	Repair	New	JICS				1								
146	Mandalay	Nyaung-U	P.P.S-Saellan	86.9500	New		J-MOE 2	1											
147	Mandalay	Mogoke	S.H.S(branch)Bawpadan	21.6000	New		J-MOE 2	1											
148	Mandalay	Mogoke	S.M.S-Nartesan	21.6000	New		J-MOE 2 (cancel)												1
149	Mandalay	Nyaung-U	S.M.S-Thonegyun	42.5700	New		J-MOE 2	1											
150	Rakhine	Ponnagyun	S.H.S(branch)Pyinhyashae	80.0000	New		DBE								1				
151	Rakhine	Ponnagyun	S.H.S(branch)Pyinhyashae	60.0000	New		DBE								1				
152	Rakhine	Ponnagyun	P.P.S-Aungseik	36.0000	New		DBE								1				

No	State	Township	Name of School	Estimates (Mil.MMK)	Remarks	changed	Scheme	DBE/JICA	DBE/JICA 3rd-B	DBE/JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
153	Rakhine	Ponnagyun	S.P.S-Kaungmon	21.6000	New		DBE								1				
154	Rakhine	Ponnagyun	S.P.S-Khamaungtaw	40.0000	New		DBE								1				
155	Rakhine	Ponnagyun	S.P.S-Sankar	21.6000	New		DBE								1				
156	Rakhine	Ponnagyun	S.P.S-Wandee	32.4000	New		DBE								1				
157	Rakhine	Ponnagyun	S.P.S-Innzonepyin	21.6000	New		DBE								1				
158	Rakhine	Buthidaung	S.H.S(branch)Ponnyolaik	32.4000	New		DBE								1				
159	Rakhine	Buthidaung	S.M.S(branch)Seiknyinpya	21.6000	New		DBE								1				
160	Rakhine	Buthidaung	S.M.S(branch)Piyut	40.0000	New		DBE								1				
161	Rakhine	Buthidaung	S.M.S(branch)myothit	32.4000	New		BAJ(Nippon Foundation)									1			
162	Rakhine	Buthidaung	P.P.S-chinthamapalaetaung	21.6000	New		DBE								1				
163	Rakhine	Buthidaung	P.P.S-Ngakytat	21.6000	New		BAJ(Nippon Foundation)									1			
164	Rakhine	Buthidaung	P.P.S-sinthae	40.0000	New		DBE								1				
165	Rakhine	Buthidaung	P.P.S-Pokhangchaung	21.6000	New		DBE								1				
166	Rakhine	Buthidaung	P.P.S-Meechaung oldmarket	40.0000	New		Private Fund (from JICA)									1			
167	Rakhine	Buthidaung	P.P.S-Laishaypyin	21.6000	New		DBE								1				
168	Rakhine	Buthidaung	P.P.S-Laungyone	40.0000	New		DBE								1				
169	Rakhine	Buthidaung	P.P.S-alaechaung	21.6000	New		DBE								1				
170	Rakhine	Buthidaung	S.P.S(branch)shwethee village	21.6000	New		DBE								1				
171	Rakhine	Buthidaung	S.P.S(branch)Inngyinmyaing	21.6000	New		DBE								1				
172	Rakhine	Buthidaung	S.M.S(branch)Ayeyarsha	21.6000	New		DBE								1				
173	Rakhine	Buthidaung	S.P.S-Kyawoo	21.6000	New		DBE								1				
174	Rakhine	Buthidaung	S.P.S-dukinchauung	21.6000	New		DBE								1				
175	Rakhine	Buthidaung	S.P.S-Bogalay new village	21.6000	New		DBE								1				
176	Rakhine	Buthidaung	S.P.S-Wundwin	21.6000	New		DBE								1				
177	Rakhine	Minbya	S.H.S(branch)La-1	43.2000	New		DBE								1				
178	Rakhine	Minbya	S.M.S(branch)Pyinyaung	21.6000	New		DBE+Private Sector									1			
179	Rakhine	Minbya	S.M.S(branch)Pyinyaung	32.4000	New		DBE+Private Sector									1			
180	Rakhine	Minbya	S.P.S-katpaepalaetaung	21.6000	New		DBE								1				
181	Rakhine	Minbya	S.P.S-Kyweytat	21.6000	New		DBE								1				
182	Rakhine	Minbya	S.P.S-khathar	21.6000	New		DBE								1				
183	Rakhine	Minbya	S.P.S-Zeekone	21.6000	New		DBE								1				
184	Rakhine	Minbya	S.P.S-Thaluchaung	21.6000	New		DBE								1				
185	Rakhine	Minbya	S.P.S- Kharthar	40.0000	New		DBE								1				
186	Rakhine	Minbya	S.P.S- Zeegone	40.0000	New		DBE								1				
187	Rakhine	Minbya	S.P.S- Thaluchaung	21.6000	New		DBE								1				
188	Rakhine	Minbya	S.P.S- Thaluchaung	21.6000	New		Substituted by another												1
189	Rakhine	Rathedaung	S.M.S (branch)Tharsitaut	21.6000	New		DBE								1				
190	Rakhine	Rathedaung	P.P.S- Kaungyeechaung	21.6000	New		DBE								1				
191	Rakhine	Rathedaung	P.P.S- Chutpyin	21.6000	New		DBE								1				
192	Rakhine	Rathedaung	P.P.S- Nagarmaungahtet	32.4000	New		DBE								1				
193	Rakhine	Rathedaung	P.P.S- Natchaung	21.6000	New		DBE								1				
194	Rakhine	Rathedaung	P.P.S- Natchaung	21.6000	New												1		
195	Rakhine	Rathedaung	P.P.S- Minkan	21.6000	New		DBE								1				
196	Rakhine	Rathedaung	P.P.S- Laykwasone	21.6000	New		DBE								1				
197	Rakhine	Rathedaung	S.M.S (Branch)-Saytipyin	21.6000	New		DBE								1				
198	Rakhine	Rathedaung	S.P.S -Kapaingchaung	32.4000	New		DBE								1				
199	Rakhine	Rathedaung	S.P.S- Konetangyi	21.6000	New		DBE								1				
200	Rakhine	Rathedaung	S.P.S- Daingkyat	21.6000	New		DBE								1				
201	Rakhine	Rathedaung	S.P.S- Thayatpyin	21.6000	New		DBE								1				
202	Rakhine	Rathedaung	S.P.S- Aungmin	21.6000	New		DBE								1				
203	Rakhine	Rathedaung	S.P.S- Aungmin	21.6000	New												1		
204	Rakhine	Kyauktaw	S.P.S- Sitaung	40.0000	New		DBE								1				
205	Rakhine	Kyauktaw	S.P.S- Tawpanzin	40.0000	New		DBE								1				
206	Rakhine	Kyauktaw	S.P.S- Pauklaymyaut	40.0000	New		DBE								1				
207	Rakhine	Kyaukpyu	S.P.S- Aungmyaykone	21.6000	New		DBE								1				
208	Rakhine	Pauktaw	S.P.S- Kanpaingyi	40.0000	New		DBE								1				
209	Rakhine	Myebon	SPS (Htone Kye Paik Seik)	21.6000	New		DBE								1				
210	Rakhine	Mrauk-U	SMS Branch (Wet Hla)	40.0000	New		DBE								1				
211	Rakhine	Mrauk-U	PPS (Lay Nhyin Thar)	40.0000	New		DBE								1				
212	Rakhine	Mrauk-U	SPS (Dwar Ra)	40.0000	New		DBE								1				
213	Rakhine	Maungdaw	PPS (Kaziabat)	21.6000	New														1
214	Rakhine	Maungdaw	PPS (Thaechaungpharwut)	21.6000	New		DBE								1				
215	Rakhine	Maungdaw	SPS Branch (Warcha)	21.6000	New		DBE								1				
216	Rakhine	Kyaukpyu	PPS (Kyaukkyipyin)	118.7200	Repair		J-MOE 2	1											
217	Rakhine	Sittwe	SHS (Wun)	0.7800	Repair										1				
218	Rakhine	Sittwe	SHS(6) (Sittwe)	184.0500	Repair	L	J-MOE 2	1											
219	Rakhine	Sittwe	SHS (9) (Mingan)	278.2300	Repair	C	J-MOE 2	1											
220	Rakhine	Sittwe	SHS (9) (Mingan)	0.0450	Repair		not necessary by UNICEF												1
221	Rakhine	Sittwe	SHS Branch (Magyinying)	0.1800	Repair	B	SHS is already repaired.												1
222	Rakhine	Sittwe	SHS Branch (A Myint Kyun)	0.5400	Repair		not necessary by UNICEF												1
223	Rakhine	Sittwe	SHS Branch (Mawleik)	0.3000	Repair										1				
224	Rakhine	Sittwe	SHS Branch (Thakkepyinkone)	0.7460	Repair										1				
225	Rakhine	Sittwe	SHS Branch (Thinbonedan)	104.2900	Repair		J-MOE 2	1											
226	Rakhine	Sittwe	SMS (3) - Mizan	0.2400	Repair										1				
227	Rakhine	Sittwe	SMS (6)	0.3600	Repair	B									1				
228	Rakhine	Sittwe	SMS Branch (Hsattoekya)	1.1400	Repair	D	UNICEF							1					
229	Rakhine	Sittwe	PPS- (Hsattoekya-A)	0.3600	Repair	New	UNICEF							1					
230	Rakhine	Sittwe	SPS- Mingan (14)	44.7500	Repair		J-MOE 2	1											
231	Rakhine	Sittwe	SPS- Mizan	0.2100	Repair		confirmed by JICA												1

No	State	Township	Name of School	Estimates (Mil.MMK)	Remarks	changed	Scheme	DBE/ JICA	DBE/ JICA 3rd-B	DBE/ JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
232	Rakhine	Sittwe	SPS- Yenwesu	0.9000	Repair										1				
233	Rakhine	Ponnagyun	SHS Branch - Pyinlyarshey	1.9200	Repair														1
234	Rakhine	Ponnagyun	SHS Branch - Pyinlyarshey	1.8000	Repair	X	part of 233										1		
235	Rakhine	Ponnagyun	SHS Branch - Myoma	80.8700	Repair	C	J-MOE 2	1											
236	Rakhine	Ponnagyun	SHS Branch - Myoma	0.4165	Repair	X	part of 235										1		
237	Rakhine	Ponnagyun	SHS Branch - Thetet	0.1200	Repair	A	UNICEF						1						
238	Rakhine	Ponnagyun	SHS Branch - Thetet	3.8400	Repair	X	part of 237										1		
239	Rakhine	Ponnagyun	SHS- Kywehtoe	0.0600	Repair	C	UNICEF						1						
240	Rakhine	Ponnagyun	SHS- Poeshepyin	373.7500	Repair	B	J-MOE 2	1											
241	Rakhine	Ponnagyun	SHS- Yoetayote	0.4800	Repair	L	UNICEF						1						
242	Rakhine	Ponnagyun	SHS- Yoetayote	0.6000	Repair	X	part of 241										1		
243	Rakhine	Ponnagyun	SHS- Alechaung (Building-1)	0.3030	Repair	New	UNICEF						1						
244	Rakhine	Ponnagyun	SHS- Alechaung (Building-2)	0.4700	Repair	C	UNICEF						1						
245	Rakhine	Ponnagyun	SMS Branch- Kywelanchaung	314.8700	Repair	A	J-MOE 2	1											
246	Rakhine	Ponnagyun	SMS Branch- Aungphyaypin	0.0600	Repair		J-MOE 4		1										
247	Rakhine	Ponnagyun	Township Education Office	0.5100	Repair		TEO - out of scope												1
248	Rakhine	Ponnagyun	PPS- Kanchaung	0.1800	Repair	C	UNICEF						1						
249	Rakhine	Ponnagyun	PPS- Kyaukseik	197.7400	Repair		J-MOE 2	1											
250	Rakhine	Ponnagyun	PPS- Kyeinchaung (2)	1.1080	Repair		JAIF											1	
251	Rakhine	Ponnagyun	PPS- Tankhoe	0.0600	Repair	B	UNICEF						1						
252	Rakhine	Ponnagyun	PPS- Dparyone	157.0400	Repair	A	J-MOE 2	1											
253	Rakhine	Ponnagyun	PPS- Nadaungkya	0.2400	Repair	B	UNICEF						1						
254	Rakhine	Ponnagyun	PPS- Mhinzeechaung	0.2400	Repair	C	UNICEF						1						
255	Rakhine	Ponnagyun	PPS- Yarchaung	0.1800	Repair	C	UNICEF						1						
256	Rakhine	Ponnagyun	PPS- Yoetayote (1)	0.0600	Repair	D	UNICEF						1						
257	Rakhine	Ponnagyun	PPS- Yoetayote (2)	0.0600	Repair	D	UNICEF						1						
258	Rakhine	Ponnagyun	PPS- Ywarhoung	0.0600	Repair		J-MOE 4		1										
259	Rakhine	Ponnagyun	PPS- Latwemyan	0.7200	Repair	New	UNICEF						1						
260	Rakhine	Ponnagyun	PPS- Aungseik	0.0600	Repair														1
261	Rakhine	Ponnagyun	SPS- Kamhtaungkyi	96.3500	Repair	A	J-MOE 2	1											
262	Rakhine	Ponnagyun	SPS- Kyeinkyun	0.0600	Repair		not necessary by UNICEF												1
263	Rakhine	Ponnagyun	SPS- Kwamtaung (1)	0.6563	Repair	C	UNICEF						1						
264	Rakhine	Ponnagyun	SPS- Kwamtaung (2)	0.0600	Repair	A	JAIF												1
265	Rakhine	Ponnagyun	SPS- Saytiyin	2.7410	Repair	A	UNICEF						1						
266	Rakhine	Ponnagyun	SPS- Tanswe	1.2000	Repair	A	JAIF												1
267	Rakhine	Ponnagyun	SPS- Patkwatseik	0.3000	Repair		JAIF												1
268	Rakhine	Ponnagyun	SPS- Pesinan	0.0360	Repair	B	UNICEF						1						
269	Rakhine	Ponnagyun	SPS- Ohnchaung	0.9000	Repair	A													1
270	Rakhine	Ponnagyun	SPS- Aungzeya	0.0600	Repair	C	UNICEF						1						
271	Rakhine	Minbya	SMS Branch- Kyaukkoke	0.1870	Repair	C	UNICEF						1						
272	Rakhine	Minbya	SMS Branch - Aiwun	0.0650	Repair		J-MOE 4		1										
273	Rakhine	Minbya	SMS- Taungshepyin	1.1920	Repair	New	UNICEF						1						
274	Rakhine	Minbya	SMS Branch- Pyinyoung	1.1000	Repair	B	UNICEF						1						
275	Rakhine	Minbya	SMS Branch- Athaykara	0.2930	Repair		J-MOE 4		1										
276	Rakhine	Minbya	Township Education Office	8.1120	Repair		TEO - out of scope												1
277	Rakhine	Minbya	Ma-Nyun Nitkwa Sone	0.3340	Repair	C	UNICEF						1						
278	Rakhine	Minbya	Ma-Taw Tan	0.1530	Repair	C	UNICEF						1						
279	Rakhine	Minbya	Ma- Nat Kan Pyin	0.6050	Repair	C	UNICEF						1						
280	Rakhine	Minbya	Ma-Pwint Htee	0.3850	Repair	A													1
281	Rakhine	Minbya	Ma-Beit Taung	0.2500	Repair	New	UNICEF						1						
282	Rakhine	Minbya	Ma-Mon Chaung	0.1610	Repair														1
283	Rakhine	Minbya	Ma-Anyun Taung	89.7900	Repair	A	J-MOE 2	1											
284	Rakhine	Minbya	PPS-Kin Seit	0.0740	Repair	New	UNICEF						1						
285	Rakhine	Minbya	PPS-Gatoo Seit	0.0690	Repair	C	UNICEF						1						
286	Rakhine	Minbya	PPS-Gwa Sone(Rakhine)	0.4150	Repair	C	UNICEF						1						
287	Rakhine	Minbya	PPS-Zeegaing Thit	0.3830	Repair	New	UNICEF						1						
288	Rakhine	Minbya	PPS-Taung Pouk Kay(Rakhine)	3.6335	Repair	A	UNICEF						1						
289	Rakhine	Minbya	PPS-Tae Nan Pyin	0.2310	Repair	New	UNICEF						1						
290	Rakhine	Minbya	PPS-Myin Tin Ma	3.5420	Repair	New	UNICEF						1						
291	Rakhine	Minbya	PPS-Myaung Chaung	0.6490	Repair	B	UNICEF						1						
292	Rakhine	Minbya	PPS-Yin Bway	0.8460	Repair	New	UNICEF						1						
293	Rakhine	Minbya	PPS-Thit Pouk Taung	197.2800	Repair	A	J-MOE 2	1											
294	Rakhine	Minbya	PPS-A Wa Ywar	0.7250	Repair	C	UNICEF						1						
295	Rakhine	Minbya	PPS-Aung Taing	0.2980	Repair	New	UNICEF						1						
296	Rakhine	Minbya	PPS-U Soe Tint	1.0550	Repair	New	UNICEF						1						
297	Rakhine	Minbya	SPS-Kywe Naparzue	127.6600	Repair	A	J-MOE 2	1											
298	Rakhine	Minbya	SPS-Chin Seit	0.0600	Repair		J-MOE 4		1										
299	Rakhine	Minbya	SPS-Gwa Sone	1.6580	Repair	C	UNICEF						1						
300	Rakhine	Minbya	SPS-Nga/Tar	0.1380	Repair		J-MOE 4		1										
301	Rakhine	Minbya	SPS-Sakayae	134.4400	Repair		J-MOE 2	1											
302	Rakhine	Minbya	SPS-Sainn Ywar Thit	0.1130	Repair	A													1
303	Rakhine	Minbya	SPS-Pyaing Chaung	129.3800	Repair	A	J-MOE 2	1											
304	Rakhine	Minbya	SPS-Pauk Taw Htain Pin	0.1300	Repair		J-MOE 4		1										
305	Rakhine	Minbya	SPS-Laung Mee	0.0970	Repair	A	DBE								1				
306	Rakhine	Munaung	SMS(Branch)-Pyin Kaw	116.5600	Repair	A	J-MOE 2	1											
307	Rakhine	Ramree	SPS-Thin Ganet	0.8100	Repair	C													1
308	Rakhine	Rathedaung	SHS(Branch)-Zeegaing	0.9000	Repair	A													1
309	Rakhine	Rathedaung	SHS(Branch)-Zeegaing	0.6000	Repair	X	part of 308										1		

No	State	Township	Name of School	Estimates (Mil.MMK)	Remarks	changed	Scheme	DBE/ JICA	DBE/ JICA 3rd-B	DBE/ JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
310	Rakhine	Rathedaung	SHS(Branch)-Myot Ma	692.9350	Repair	A	J-MOE 2	1											
311	Rakhine	Rathedaung	SHS(Branch)-Yan Aung Pyin	0.2160	Repair	A	confirmed by JICA												1
312	Rakhine	Rathedaung	SHS-Ku Taung	271.3750	Repair	A	J-MOE 2	1											
313	Rakhine	Rathedaung	SHS-Sati Pyint	356.5350	Repair	A	J-MOE 2	1											
314	Rakhine	Rathedaung	SHS-Sati Pyint	0.6000	Repair	X	part of 313										1		
315	Rakhine	Rathedaung	SHS-Sati Pyint	2.7000	Repair	X	part of 313										1		
316	Rakhine	Rathedaung	SHS-Sati Pyint	1.2000	Repair	X	part of 313										1		
317	Rakhine	Rathedaung	SHS-Sati Pyint	0.9000	Repair	X	part of 313										1		
318	Rakhine	Rathedaung	SHS-Rathedaung	271.3750	Repair	C	J-MOE 2	1											
319	Rakhine	Rathedaung	SHS-Laung Chaung	274.5300	Repair	A	J-MOE 2	1											
320	Rakhine	Rathedaung	SMS(Branch)-Min Poo	0.0900	Repair	C	UNICEF						1						
321	Rakhine	Rathedaung	SMS(Branch)-Yey Myat	0.0900	Repair	B	UNICEF						1						
322	Rakhine	Rathedaung	SMS(Branch)-Yey Myat	0.6650	Repair	X	part of 321											1	
323	Rakhine	Rathedaung	SMS(Branch)-Lay Kan	0.2400	Repair	A									1				
324	Rakhine	Rathedaung	SMS(Branch)-Aung Sae Gone	0.2700	Repair	A	J-MOE 4			1									
325	Rakhine	Rathedaung	SMS-Kut Chaung	0.1200	Repair	C													1
326	Rakhine	Rathedaung	PPS-Kyauk Sone	0.2400	Repair		part of 327										1		
327	Rakhine	Rathedaung	PPS-Kyauk Sone	0.1200	Repair	C	UNICEF						1						
328	Rakhine	Rathedaung	PPS-Kaung Yee Chaung	1.2600	Repair	New	UNICEF						1						
329	Rakhine	Rathedaung	PPS-Sin Kone Taing	0.0900	Repair	D	UNICEF						1						
330	Rakhine	Rathedaung	PPS-Sin Paik	0.4800	Repair	D	UNICEF						1						
331	Rakhine	Rathedaung	PPS-Sin Paik	1.2000	Repair	X	part of 330											1	
332	Rakhine	Rathedaung	PPS-Nyaung Pin Hla	0.1200	Repair	B	UNICEF						1						
333	Rakhine	Rathedaung	PPS-Pyar Pin Yin	0.2400	Repair	New	UNICEF						1						
334	Rakhine	Rathedaung	PPS-Pyein Taw Kone Tan	2.2500	Repair	A	JAIF											1	
335	Rakhine	Rathedaung	PPS-Pyein Taw Kone Tan	3.0000	Repair												1		
336	Rakhine	Rathedaung	PPS-Bat Kar	0.7800	Repair	D													1
337	Rakhine	Rathedaung	PPS-Min Kan	0.4200	Repair														1
338	Rakhine	Rathedaung	PPS-Mann Ni Pyin	1.3000	Repair	New	UNICEF						1						
339	Rakhine	Rathedaung	PPS-Mann Ni Pyin	0.1800	Repair	X	part of 338											1	
340	Rakhine	Rathedaung	PPS-A Htet Nann Yar	0.1800	Repair	New	UNICEF						1						
341	Rakhine	Rathedaung	PPS-a Wa Dar	0.1200	Repair	A									1				
342	Rakhine	Rathedaung	PPS-Ar Kar Taung	0.1200	Repair	New	UNICEF						1						
343	Rakhine	Rathedaung	PPS-Oh Phauk	215.8000	Repair		J-MOE 2	1											
344	Rakhine	Rathedaung	PPS-Auk Kyaung Taung	0.0900	Repair		JAIF												1
345	Rakhine	Rathedaung	SPS-Kyone Pyin	0.1800	Repair	A	J-MOE 4			1									
346	Rakhine	Rathedaung	SPS-Kyauk Kone Boat	0.3700	Repair	A													1
347	Rakhine	Rathedaung	SPS-Kyauk Chaung	0.9000	Repair		Could not find by UNICEF												1
348	Rakhine	Rathedaung	SPS-Kyun Chaung	0.1800	Repair	A	JAIF												1
349	Rakhine	Rathedaung	SPS-Kyein Tan	105.5200	Repair	A	J-MOE 2	1											
350	Rakhine	Rathedaung	SPS-Kyauk Yan	1.2000	Repair	C	UNICEF						1						
351	Rakhine	Rathedaung	SPS-Kamaung Tone	0.2940	Repair	A													1
352	Rakhine	Rathedaung	SPS-San Kar	0.3000	Repair	A	J-MOE 4			1									
353	Rakhine	Rathedaung	SPS-Sabar Htar	0.1800	Repair	A													1
354	Rakhine	Rathedaung	SPS-Zaybyar Myaing	0.4605	Repair	A													1
355	Rakhine	Rathedaung	SPS-Htee Swe	0.3675	Repair	B	UNICEF						1						
356	Rakhine	Rathedaung	SPS-Tun Yawai Thit	9.6000	Repair		confirmed by JICA												1
357	Rakhine	Rathedaung	SPS-Dain Kyat	0.3000	Repair		not necessary by UNICEF												1
358	Rakhine	Rathedaung	SPS-Pyin Kaung Thit	0.6080	Repair	A													1
359	Rakhine	Rathedaung	SPS-Pauk Taw Gyi	1.2000	Repair	New	UNICEF						1						
360	Rakhine	Rathedaung	SPS-Pauk Taw Chay	1.8000	Repair	C	UNICEF						1						
361	Rakhine	Rathedaung	SPS- Pet Leik	0.5600	Repair	A													1
362	Rakhine	Rathedaung	SPS-Pet Leik	0.5400	Repair	X	part of 361										1		
363	Rakhine	Rathedaung	SPS-Manying Taung	0.5000	Repair	A													1
364	Rakhine	Rathedaung	SPS-Manying Taung	0.4800	Repair	X	part of 363										1		
365	Rakhine	Rathedaung	SPS-Myot Ma(a)	3.2400	Repair	A	UNICEF						1						
366	Rakhine	Rathedaung	SPS-Laing Gwin	0.5400	Repair	B	UNICEF						1						
367	Rakhine	Rathedaung	SPS-Wat Note Thee	0.5900	Repair	A	JAIF												1
368	Rakhine	Rathedaung	SPS-Wat Note Thee	0.1800	Repair	X	part of 367										1		
369	Rakhine	Rathedaung	SPS-Thet Pyay Kya	102.1400	Repair	A	J-MOE 2	1											
370	Rakhine	Rathedaung	SPS-Thazin Pedauk	0.7870	Repair	C	UNICEF						1						
371	Rakhine	Rathedaung	SPS-Thmee Hla	0.6000	Repair	New	BAJ(Nippon Foundation)										1		
372	Rakhine	Rathedaung	SPS-Thar Yar Gone	0.3600	Repair	A													1
373	Rakhine	Rathedaung	SPS-A Le Chaung	0.1800	Repair	C	UNICEF						1						
374	Rakhine	Rathedaung	SPS- Aung Ma	0.1800	Repair	A													1
375	Rakhine	Rathedaung	SPS-Aung Thar Si	0.6180	Repair	A	JAIF												1
376	Rakhine	Ann	SHS-Tet Taung	0.1200	Repair	D	UNICEF						1						
377	Rakhine	Ann	SPS-Sweyt Chaung	0.0720	Repair	C	UNICEF						1						
378	Rakhine	Kyauktaw	SHS(Branch)-Done Kan Chaung	1.3800	Repair	C	UNICEF						1						
379	Rakhine	Kyauktaw	SHS(Branch)-Myot Ma	3.0000	Repair	L	building												1
380	Rakhine	Kyauktaw	SHS(Branch)-Myot Ma	215.7700	Repair	L	J-MOE 2	1											
381	Rakhine	Kyauktaw	SHS-Kan Saut	106.5900	Repair	A	J-MOE 2	1											
382	Rakhine	Kyauktaw	SHS-Kan Saut	0.1200	Repair	A	BAJ(Nippon Foundation)										1		
383	Rakhine	Kyauktaw	SHS-A Pauk Wa	1.2000	Repair	A	J-MOE 4			1									
384	Rakhine	Kyauktaw	SMS(Branch)-Na Gu May	0.1500	Repair	A	UNICEF						1						
385	Rakhine	Kyauktaw	PPS-Kyein Chaung	1.6530	Repair	New	UNICEF						1						
386	Rakhine	Kyauktaw	PPS-Za Leint Taung	0.2400	Repair	New	UNICEF						1						
387	Rakhine	Kyauktaw	PPS-Taung Min Kalar	0.3600	Repair	D													1

No	State	Township	Name of School	Estimates (Mil.MMK)	Remarks	changed	Scheme	DBE/JICA	DBE/JICA 3rd-B	DBE/JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
388	Rakhine	Kyauktaw	PPS-Barawar	147.8200	Repair	D	J-MOE 2	1											
389	Rakhine	Kyauktaw	PPS-Yaung Sone	0.4410	Repair	New	UNICEF						1						
390	Rakhine	Kyauktaw	PPS-Yaung Sone	0.2460	Repair	X	part of 389										1		
391	Rakhine	Kyauktaw	PPS-Lamu Tapin	0.3300	Repair	B	UNICEF						1						
392	Rakhine	Kyauktaw	SPS-Gar Pu	0.0600	Repair	C	UNICEF						1						
393	Rakhine	Kyauktaw	SPS-Nget Pyay Chaung	0.1500	Repair	A													1
394	Rakhine	Kyauktaw	SPS-Tout Ley Min Tan	89.8400	Repair	D	J-MOE 2	1											
395	Rakhine	Kyauktaw	SPS-Pauk Lay Taung	0.3600	Repair	A	BAJ(Nippon Foundation)									1			
396	Rakhine	Kyauktaw	SPS-Mahar Muni	0.1500	Repair	New	UNICEF						1						
397	Rakhine	Kyauktaw	SPS-Yin Dar	0.6300	Repair		J-MOE 4			1									
398	Rakhine	Kyauktaw	SPS-Leik Kan	0.4800	Repair	A													1
399	Rakhine	Kyauktaw	SPS-Wa Pyin	0.1200	Repair	C	UNICEF						1						
400	Rakhine	Kyauktaw	SPS-War Taung	0.6000	Repair	A										1			
401	Rakhine	Kyauktaw	SPS-Thaung Chaung	103.9800	Repair	A	J-MOE 2	1											
402	Rakhine	Pauktaw	SHS(Branch)-Nyaung Pin Chaung	0.1640	Repair	New	UNICEF						1						
403	Rakhine	Pauktaw	SHS(Branch)-Pha Du	1.2700	Repair	B	UNICEF						1						
404	Rakhine	Pauktaw	SHS(Branch)-Myint Gar	362.0600	Repair		J-MOE 2	1											
405	Rakhine	Pauktaw	SHS(Branch)-Thapyae Kan	268.0310	Repair		J-MOE 2	1											
406	Rakhine	Mrauk-U	SHS(Branch)-Kan Sout	0.0600	Repair	C	UNICEF						1						
407	Rakhine	Mrauk-U	SMS(3)-Mrauk-U	152.2100	Repair	L	J-MOE 2	1											
408	Rakhine	Mrauk-U	PPS-Par Taw	214.4800	Repair		J-MOE 2	1											
409	Rakhine	Mrauk-U	SPS(Branch)-Thin Pan Kaing	3.1500	Repair	New	UNICEF						1						
410	Rakhine	Mrauk-U	SPS-Tammara	1.4400	Repair	C	UNICEF						1						
411	Rakhine	Mrauk-U	SPS-Pya Hla	0.2400	Repair	New	UNICEF						1						
412	Rakhine	Mrauk-U	SPS-Payargyi	90.8700	Repair	A	J-MOE 2	1											
413	Rakhine	Maungdaw	SHS(Branch)-(1)	275.2900	Repair	D	J-MOE 2	1											
414	Rakhine	Maungdaw	SHS(Branch)-(1)	7.0000	Repair	X	part of 413										1		
415	Rakhine	Maungdaw	SHS(Branch)-(2)	0.2000	Repair	C	On Hold (security)												1
416	Rakhine	Maungdaw	SHS(Branch)-(2)	0.5500	Repair	X	part of 415										1		
417	Rakhine	Maungdaw	SHS(Branch)-Mingalargyi	25.0000	Repair		On Hold (security)												1
418	Rakhine	Maungdaw	SHS(Branch)-Myaw Taung	12.9600	Repair	A	On Hold (security)												1
419	Rakhine	Maungdaw	SHS(Branch)-Myaw Taung	0.0900	Repair	New	UNICEF						1						
420	Rakhine	Maungdaw	SHS-Kyein Chaung	213.7200	Repair	C	J-MOE 2	1											
421	Rakhine	Maungdaw	SHS-Kyein Chaung	0.0200	Repair	X	part of 420											1	
422	Rakhine	Maungdaw	SHS-Maungdaw	80.0480	Repair		J-MOE 2	1											
423	Rakhine	Maungdaw	SHS-Maungdaw	0.1600	Repair	X	part of 422										1		
424	Rakhine	Maungdaw	SHS-Maungdaw	0.1600	Repair	X	part of 422										1		
425	Rakhine	Maungdaw	SHS-Maungdaw	0.0600	Repair	X	part of 422										1		
426	Rakhine	Maungdaw	SHS-Maungdaw	0.0600	Repair	X	part of 422										1		
427	Rakhine	Maungdaw	SMS(Branch)-Ngar Sar Kyu	0.2400	Repair	C	On Hold (security)												1
428	Rakhine	Maungdaw	SMS(Branch)-Maung Nama	0.0900	Repair	B	On Hold (security)												1
429	Rakhine	Maungdaw	SMS-Myin Hlut	0.9000	Repair	D	UNICEF						1						
430	Rakhine	Maungdaw	PPS-Kyar Kaung Taung	2.0000	Repair	New	On Hold (security)												1
431	Rakhine	Maungdaw	PPS-Du Nyaung Pin Gyi	0.1640	Repair		BAJ(Japan Platform)								1				
432	Rakhine	Maungdaw	PPS-Byuhar Gone	1.0000	Repair		J-MOE 2(Chancel)												1
433	Rakhine	Maungdaw	PPS-Baw Di Gone	109.5500	Repair		confirmed by JICA	1											
434	Rakhine	Maungdaw	PPS-Magyi Chaung	0.5000	Repair		BAJ(Japan Platform)								1				
435	Rakhine	Maungdaw	PPS-Myot Thu Gyi	0.2000	Repair	New	UNICEF						1						
436	Rakhine	Maungdaw	PPS-Maung Ni	0.2500	Repair	New	UNICEF						1						
437	Rakhine	Maungdaw	SPS-Sagar Pin Yin	0.1600	Repair	C	On Hold (security)												1
438	Rakhine	Maungdaw	SPS-Padagar Ywar Thit	0.0150	Repair	A	On Hold (security)												1
439	Rakhine	Maungdaw	SPS-Bagargononar	1.4000	Repair	D	On Hold (security)												1
440	Rakhine	Maungdaw	SPS-Wai Tharli	1.0000	Repair		On Hold (security)												1
441	Yangon	Tantapin	SPS(Ywar Thit)	119.9920	New		J-MOE 1	1											
442	Yangon	North Okkalapa	SPS(16)	115.6150	New		J-MOE 1	1											
443	Yangon	Taikkyi	Ma-A Le Kin	0.4600	Repair		J-MOE 3			1									
444	Yangon	Dala	SHS(Branch)-Rakhine Chaung	0.3500	Repair		J-MOE 3			1									
445	Shan(South)	Yet Sout	SMS-Naung Waing	0.5000	Repair		DBE/President Separate Fund										1		
446	Shan(East)	Tachileik	PPS-Nant Kaine	43.2000	New		GGP(2016)					1							
447	Shan(East)	Tachileik	PPS-Nant Pyan	21.6000	New		GGP(2016)					1							
448	Shan(East)	Tachileik	SPS(Branch)-Want Mee Mai	21.6000	New		GGP(2016)					1							
449	Ayeyarwady	Kangyidaunt	Ma(Branch)-Kan Su	28.8000	New		DBE									1			
450	Ayeyarwady	Ngapudaw	La(Branch)-Dat Taw Gone	47.0480	New		J-MOE 2	1											
451	Ayeyarwady	Zalun	PPS-Yay Le Taung Lay	60.0000	New		Asia World from GGP												1
452	Ayeyarwady	Zalun	SPS-May Done	82.3100	New		J-MOE 2	1											
453	Ayeyarwady	Danuphyu	SPS-Kyar Kyun	107.7500	New		J-MOE 2	1											
454	Ayeyarwady	Pantanaw	SPS-Thehtaygone	60.0000	New		Total Co.Ltd ?												1
455	Ayeyarwady	Maubin	La(Branch) Ngagyi Garat	32.4000	New		ARTIC(Nippon Foundation)												1
456	Ayeyarwady	Maubin	La(Branch)Thone Kwa Sine	43.2000	New		JICS					1							
457	Ayeyarwady	Labutta	Ma(Branch)-Kyauk Kwe	21.6000	New		DBE/President Separate Fund												1
458	Ayeyarwady	Labutta	Ma(Branch)-Shan Gone	21.6000	New		DBE/President Separate Fund												1
459	Ayeyarwady	Thabaung	Ma(Branch)-Lat Kote Ywar Thit	40.0000	New		JICS					1							
460	Ayeyarwady	Thabaung	Ma(Branch)-Thone Eame Su	40.0000	New		DBE									1			
461	Ayeyarwady	Thabaung	SPS-Ka Nyin Gone(Mee)	40.0000	New		JICS					1							
462	Ayeyarwady	Thabaung	SPS-Ngat Pyaw Taw	60.0000	New		GGP (2015-2)						1						
463	Ayeyarwady	Thabaung	SPS-Seit Kyi (2)	40.0000	New		J-MOE 2	1											
464	Ayeyarwady	Thabaung	SPS-Tangun Taing	40.0000	New		JICS					1							

No	State	Township	Name of School	Estimates (Mil.MMK)	Remarks	changed	Scheme	DBE/ JICA	DBE/ JICA 3rd-B	DBE/ JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
465	Ayeyarwady	Thabaung	SPS-Shin Gyi Pyaut	40.0000	New		JICS				1								
466	Ayeyarwady	Thabaung	SPS-Lay Eane Tan	40.0000	New		JICS				1								
467	Ayeyarwady	Hinthada	SMS(2)	46.8000	New		GGP (2015-2)					1							
468	Ayeyarwady	Hinthada	SPS-Tar Ngot	40.0000	New		GGP (2015-1)				1								
469	Ayeyarwady	Hinthada	SPS-Aye Ywar	40.0000	New		J-MOE 2(cancel)												1
470	Ayeyarwady	Ingapu	SPS- Kyan Tan Kwin	21.6000	New		DBE								1				
471	Ayeyarwady	Ingapu	SPS-Gway Taut Kone	40.0000	New		Asia World									1			
472	Ayeyarwady	Ingapu	SPS-Nyaung Gone Gyi	40.0000	New		Asia World									1			
473	Ayeyarwady	Nyaungdon	SPS-Kokkosu	21.6000	New		TOTAL Co.Lid? President Separate Fund									1			
474	Ayeyarwady	Nyaungdon	SPS-Shwe Thuang Yan	40.0000	New		Asia World ?									1			
475	Ayeyarwady	Patheingyi	SPS-Ngway Saung	0.2500	Repair	New	JICS				1								
476	Ayeyarwady	Thabaung	SMS(Branch)-Sit Pin Gyi	0.2500	Repair	New	JICS				1								
477	Ayeyarwady	Thabaung	SPS(Branch)-Mithaungang	47.8900	Repair		J-MOE 2	1											
478	Ayeyarwady	Thabaung	SPS-Kanyingone(Kyar)	0.4600	Repair	New	JICS				1								
479	Ayeyarwady	Thabaung	SPS-Kwin Su	0.5500	Repair	New	JICS				1								
480	Ayeyarwady	Thabaung	SPS-Nyaung Kwin Ale	1.8000	Repair	New	JICS				1								
481	Ayeyarwady	Thabaung	SPS-Tagudaing	0.5000	Repair	X	part of 461										1		
482	Ayeyarwady	Thabaung	SPS-Pan Pin Seit	0.3400	Repair	New	JICS				1								
483	Ayeyarwady	Thabaung	SPS-Mayin Chaung	0.5500	Repair	New	JICS				1								
484	Ayeyarwady	Thabaung	SPS-Mac Wun Chaung	0.5000	Repair	New	JICS				1								
485	Ayeyarwady	Thabaung	SPS-Yaygyaw Lay	0.3000	Repair	New	JICS				1								
486	Ayeyarwady	Thabaung	SPS-Yay Cho	0.3600	Repair		J-MOE 4			1									
487	Ayeyarwady	Thabaung	SPS-Thantpuyar Chaung	0.2400	Repair		DBE								1				
488	Ayeyarwady	Thabaung	SPS-Thabot Chaung	0.4500	Repair	New	JICS				1								
489	Ayeyarwady	Thabaung	SPS-Thabaung	72.8000	Repair		J-MOE 2	1											
490	Ayeyarwady	Kyaunggon	SPS-Yaytar Gyi	0.2000	Repair	New	JICS				1								
491	Ayeyarwady	Yegyi	La(Branch)/Thayetchaung Ale	0.2000	Repair	New	JICS				1								
492	Ayeyarwady	Yegyi	La(Branch)/Aine Zout	0.4000	Repair	New	JICS				1								
493	Ayeyarwady	Yegyi	SPS-Nou Gone	0.3000	Repair		J-MOE 4			1									

others	BAJ: 33schools	A	55	New	65		82	7	14	67	40	79	2	76	28	32	10	56	
	President Separate Fund 29 schools	B	15	X(dpltn)	28		270											493	
		C	36				11			3	2	6						1	5
		D	13	L(arge)	5														

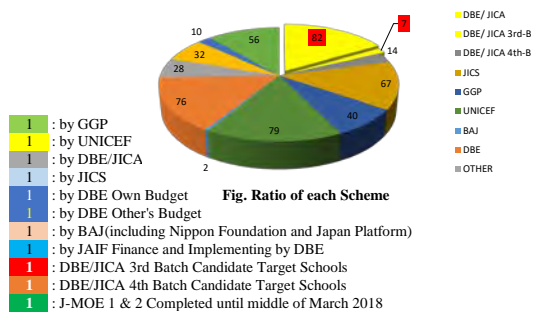


Table. Demarcation of each Scheme

Scheme	DBE/ JICA	DBE/ JICA 3rd-B	DBE/ JICA 4th-B	JICS	GGP	UNICEF	BAJ	DBE	OTHER	Duplication	JAIF	TO BE CONSIDERED
School Number	82	7	14	67	40	79	2	76	28	32	10	56
%	17%	1%	3%	14%	8%	16%	0%	15%	6%	6%	2%	11%

Appendix 3

Completion Status of 1st Batch/2nd Batch 82 schools

Appendix 3 Completion Status of 1st Batch/2nd Batch 82 Shools

List of Programme Schools for 1st Batch

<u>Lot</u>	<u>State/Region</u>	<u>Township</u>	<u>Code</u>	<u>School Name</u>
21	Chin State	Hakha	40	BEMS-Myahaung
			41	
			39	BEMS-Zakhwar
			47	BEPS-Haitalan
			44	BEPS-Mannue
22	Chin State	Hakha	43	BEPS-Beohothae
			42	BEPS-Khwarbe
			45	BEPS-Lonhnan
			38	BEHS-3
			15	BEMS(Branch)-Htan Au
23	Chin State	Falam	25	BEPS-Theeli
			24	BEPS-Tari
26	Chin State	Mindat	29	BEPS-Khuhlu
			28	BEPPS-Chaing
28	Chin State	Paletwa	23	BEPS-Wunchaungwa
			16	BEMS(Branch)-Bohdagama
			22	BEPS-Wehaung
31	Yangon Region	N.Okkalapa	442	SPS-(16)
		Htantabin	441	SPS-Ywar Thit

List of Programme Schools for 2nd Batch

<u>Lot</u>	<u>State/Region</u>	<u>Township</u>	<u>Code</u>	<u>School Name</u>
32	Rakhine State	Sittwe	218	BEHS(6)-Sittwe
			219	BEHS(9)-Mingan
			225	BEHS(Branch)-Thinbonedan
			230	BEPS-Mingan(14)
33	Rakhine State	Ponna gyun	240	BEHS-Poeshepyin
			245	BEMS(Branch)- Kywelanchaung
34	Rakhine State	Ponna gyun	235	BEHS(Branch)-Myoma
			249	PPS-Kyaukseik
			252	PPS-Dparyone
			261	BEPS-Kanhtaungkyi
35	Rakhine State	Pauk Daw	404	BEHS(Branch)-Myint Gar
			405	BEHS(Branch)-Thapyae Kan
36	Rakhine State	Rathedaung	310	BEHS(Branch)-Myot Ma

<u>Lot</u>	<u>State/Region</u>	<u>Township</u>	<u>Code</u>	<u>School Name</u>
37	Rakhine State	Rathedaung	312	BEHS-Ku Taung
			318	BEHS-Rathedaung
38	Rakhine State	Rathedaung	313	BEHS-Satin Pyint
			343	PPS-Oh Phauk
39	Rakhine State	Rathedaung	319	BEHS-Laung Chaung
			349	BEPS-Kyein Tan
			369	BEPS-Thet Pyay Kya
40	Rakhine State	Maruk-U	407	BEMS(3)-Mrauk-U
			408	PPS-Par Taw
			412	BEPS-PayarGyi
41	Rakhine State	Kyauk-Daw	380	BEHS(Branch)-Myot Ma
			381	BEHS-Kan Saut
			388	PPS-Bayawar
			394	BEPS-Tout Ley Min Tan
			401	BEPS-Thaung Chaung
42	Rakhine State	Minbya	283	Ma-Anyun Taung
			293	PPS-Thit Pouk Taung
			297	BEPS-Kywe Naparzue
			301	BEPS-Sakayae
			303	BEPS-Pyaing Chaung
43	Rakhine State	Maung Daw	413	BEHS(Branch)-(1)
			432	PPS-Byuhar Gone
44	Rakhine State	Maung Daw	420	BEHS-Kyein Chaung
			422	BEHS-Maungdaw
45	Rakhine State	Kyauk-Phyu	216	PPS-Kyaukkyipyin
		Man Aung	306	BEMS(Branch)-Pyin Kaw
46	Ayawady Region	Ngapudaw	450	BEMS(Branch) Dat Taw Gone
		Zalun	452	BEPS-May Done
		Danubyu	453	BEPS-Kyar Kyun
		Hinthada	463	BEPS-Aye Ywar
		Thabaung	477	BEPS(Branch)- Mit Chaungaung
			489	BEPS-Thar Baung
			499	BEPS-Thar Baung
47	Chin State	Matupi	30	BEPS(Branch) Shar Taline
			35	BEPS-Kay Lone
			36	BEPS-Ngalar
			37	BEPS-Taung Bu

<u>Lot</u>	<u>State/Region</u>	<u>Township</u>	<u>Code</u>	<u>School Name</u>
48	Magway Region	Sidoktaya	135	PPS-Aout Pone
	Mandalay Region	Naung-U	146	pps-saelan
		Moegyoke	147	SHS(Branch)-Bawpadan
		Naung-U	149	BEPS-Thone gyun
49	Chin State	Tomzan	12	BEMS-(Branch) -Tweekainzan
			13	BEPS- Khantzan
			14	BEPS- Thartzan
50	Chin State	Tidem	4	BEMS-(Branch) -Fire
			5	BEMS-(Branch) -Fire
			11	BEPS- Maunglang
			48	BEPPS- Dainloe
51	Chin State	Tidem	6	BEPPS-Gaungmual
			7	BEPPS-Tweesauk
			9	BEPS-Swaungdot

Lot-21

- 1) Name of Contractor: Htet Arkar
- 2) Date of Contract: 12 August 2016
- 3) Contract Amount: 638.81 million kyats

Code No.40 BEMS-Myohaung Township : Hakha Chin State
 Commencement: 6, September, 2016 Handing over: 23, July, 2017 Const. Period: 10.5 months
 Exist.Facilities: None
 New Facilities: 102'x30' RCC2 (6 Classrooms) (Furniture:62 sets)
 60'x30' RCC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	29	39	27	38	38	71	62	55	54	27	-	440

		
Collapsed School Building due to Landslide February 2016	102'x30' RCC2 (6 Classrooms) August 2017	60'x30' RCC KG (3 Classrooms) August 2017

Code No.41 BEMS-Myohaung Township : Hakha Chin State
 Commencement: 6, September, 2016 Handing over: 23, July, 2017 Const. Period: 10.5 months
 Exist.Facilities: None
 New Facilities: 90'x30' RCC1 (3 Classrooms) (Furniture:62 sets)
 4 booth Toilet

Number of Students;



Same as Code No.40 (Same school)

		
Relocated School Site March 2016	90'x30' RCC1 (3 Classrooms) August 2017	20'x26' Headmaster House August 2017

Code No.39 BEMS-Zakhwar Township : Hakha Chin State
 Commencement: 27, January, 2017 Handing over: November , 2017 Const. Period: 10 months
 Exist.Facilities: None
 New Facilities: 120'x30' RCC1 (6 Classrooms) (Furniture:26 sets)
 60'x30' RCC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;


Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	2	8	7	12	11	8	14	13	12	87

		
Collapsed School Building due to Landslide March 2016	Temporary Classroom during construction December 2016	120'x30' RCC1 (6 Classrooms) November 2017

Code No.47 BEPS-Haitalan Township : Hakha Chin State
 Commencement: 16, September, 2016 Handing over: August, 2017 Const. Period: 10 months
 Exist.Facilities: None
 New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:20 sets)
 2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	8	20	15	12	12	67

		
School site after demolition February 2016	60'x30' RCC1 (3 classrooms) August 2017	60'x30' RCC1 (3 Classrooms) August 2017

Code No.15 **BEMS(Branch)-Htan Au** Township : Htanlang Chin State

Commencement: 22, January, 2017 Handing over: December, 2017 Const. Period: 10 months

Exist.Facilities: None

New Facilities: 90'x30' RCC1 (3 Classrooms) (Furniture:47 sets)

60'x30' RCC KG (3 Classrooms)

4 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	15	28	19	24	22	27	24	30	18	207

		
Site Leveling before construction January 2017	90'x30' RCC1 (3 Classrooms) November 2017	60'x30' RCC KG (3 Classrooms) November 2017




Lot-23

- 1) Name of Contractor: Soe Moe Yadanar Construction
- 2) Date of Contract: 12, August, 2016
- 3) Contract Amount: 122.583 million kyats

Code No.25 BEPS-Theeli Township : Falam Chin State
 Commencement: 30, September, 2016 Handing over: August, 2017 Const. Period: 10 months
 Exist.Facilities:
 New Facilities: 60'x30' RCC1 (3 Classrooms) for KG, G1, G2 (Furniture:20 sets)
 2 booth Toilet

Number of Students;




Grade	KG	G1	G2	G3	G4	Total
Students	4	4	5	4	0	17

		
Site Clearing September 2016	60'x30' RCC1 (3 Classrooms) July 2017	60'x30' RCC1 (3 Classrooms) July 2017

Code No.24 BEPS-Tari Township : Falam Chin State
 Commencement: 3, September, 2016 Handing over: August, 2017 Const. Period: 10 months
 Exist.Facilities:
 New Facilities: 60'x30' RCC1 (3 Classrooms) for KG, G1, G2 (Furniture:20 sets)
 2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	3	5	4	4	2	18

		
Start Construction September 2016	60'x30' RCC1 (3 Classrooms) July 2017	60'x30' RCC1 (3 Classrooms) July 2017

Lot-26

- 1) Name of Contractor: Linn Yaung Htoo
- 2) Date of Contract: 16, August, 2016
- 3) Contract Amount: 252.45 million kyats (Initial: 581.41 million kyats)




Code No.29 BEPS-Khuhlu Township : Mindat Chin State
 Commencement: 5, October, 2016 Handing over: November, 2017 Const. Period: 14 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (3 Classrooms) Not use yet. (Furniture:20 sets)
 60'x30' RC KG (3 Classrooms) Not use yet.
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	4	7	9	11	5	36

		
Start Construction September 2016	60'x30' RCC1 (3 Classrooms) July 2017	60'x30' RC KG (3 Classrooms) July 2017




Code No.28 BEPPS-Chaing Township : Mindat Chin State
 Commencement: 28, October, 2016 Handing over: August, 2017 Const. Period: 12 months

Exist.Facilities:

New Facilities: 90'x30' RCC1 (3 Classrooms) Not use yet. (Furniture:20 sets)
 60'x30' RC KG (3 Classrooms) Not use yet.
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	18	23	12	9	6	0	0	66

		
Start Construction September 2016	90'x30' RCC1 (3 Classrooms) July 2017	60'x30' RC KG (3 Classrooms) September 2017

Lot-28

- 1) Name of Contractor: A Chinn Sit Than
- 2) Date of Contract: 25, August, 2016
- 3) Contract Amount: 450.74 million kyats

Code No.23 BEPS-Wunchaungwa Township : Peletwa Chin State



Commencement: 23, September, 2016 Handing over: Const. Period: months

Exist.Facilities:

New Facilities: 60'x30' RCC PL6' (3 Classrooms) (Furniture:22 sets)
 60'x30' RC KG (3 Classrooms)
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	26	15	16	12	7	76

		Contractor did not submit Monthly Report After September 2017.
Preparation work September 2016	60'x30' RCC PL6' (3 Classrooms) September 2017	

Code No.16 BEMS(Branch)-Bohdagama Township : Peletwa Chin State



Commencement: 1, December, 2016 Handing over: Const. Period: months

Exist.Facilities:

New Facilities: 120'x30' RCC PL6' (4 Classrooms) (Furniture:20 sets)
 60'x30' RC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	25	33	17	29	24	69	26	24	13	260

		Contractor did not submit Monthly Report After September 2017.
Site leveling September 2016	120'x30' RCC PL6' (4 Classrooms) July 2017	

Lot-31

- 1) Name of Contractor: Byar La Thu Kha
- 2) Date of Contract: 12, August, 2016
- 3) Contract Amount: 235.607 million kyats

Code No.442 SPS-(16) Township : North Okkalapa Yangon Region

Commencement: 16, August, 2016 Handing over: 18, May, 2017 Const. Period: 9 months

Exist.Facilities: 120'x30' (6 Classrooms) Old headmaster House

New Facilities: 100'x30' RCC1 (5 Classrooms) G4 (2 room), G3 (2room), Library (Furniture:20 sets)

60'x30' RC KG (3 Classrooms) KG for 2 room and Headmaster 's room

4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	41	40	38	54	45	218

		
Existing Classroom August 2016	100'x30' RCC1 (5 Classrooms) May 2017	60'x30' RC KG (3 Classrooms) May 2017

Code No.441 SPS-Ywar Thit Township : Htantbin Yangon Region

Commencement: 21, August, 2016 Handing over: 18, May, 2017 Const. Period: 9 months

Exist.Facilities: 3 Classroom Buildings (6 classrooms) for G4, G5, G6, Headmaster Room




New Facilities: 120'x30' RCC1 (6 Classrooms) for G1, G2, G3, Library (Furniture:25 sets)

60'x30' RC KG (3 Classrooms) For KG

2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	39	38	55	58	36	31	25	282

		
Existing Classroom August 2016	120'x30' RCC1 (6 Classrooms) May 2017	60'x30' RC KG (3 Classrooms) May 2017

Code No.225 BEHS(Branch)-Thinbonedan Township : Sittwe Rakhaine State

Commencement: 22, January, 2017 Handing over: 12, July, 2017 Const. Period: 7 months




Exist.Facilities: 2 Classroom Buildings (11 Classrooms)

New Facilities: 120'x30' RCC1 (4 Classrooms) (Furniture:H80/P40)

4 booth Toilet 20'x26'Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	25	44	56	64	38	73	73	44	77	70	48	612

		
Existing Classroom Building September 2016	120'x30' RCC1 (4 Classrooms) July 2017	Headmaster House July 2017

Code No.230 BEPS-Mingan(14) Township : Sittwe Rakhaine State

Commencement: 22, January, 2017 Handing over: 12, July, 2017 Const. Period: 7 months

Exist.Facilities: 120'x30' RCC1 (4 Classrooms)

New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture: P60 sets)

2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	22	25	18	16	13	94

		
Existing Classroom Building September 2016	2 booth Toilet under construction June 2017	60'x30' RCC1 (3 Classrooms) July 2017

Lot-33

- 1) Name of Contractor: Shwe La La Win
- 2) Date of Contract: 10, January, 2017
- 3) Contract Amount: 668.620 million kyats

Code No.240 BEHS-Poeshepyin Township : Ponna Gyum Rakhaine State

Commencement: 20, January, 2017 Handing over: 26, Nov, 2017 Const. Period: 11 months

Exist.Facilities:

New Facilities: 204'x30' RCC2 (12 Classrooms) (Furniture:H240/P120)



60'x30' RC KG (3 Classrooms)

4 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	43	44	28	26	37	64	81	205	153	152	119	952

		Contractor did not submit completion photos.
204'x30' RCC2 (12 Classrooms) February 2017	204'x30' RCC2 (12 Classrooms) August 2017	

Code No.245 BEMS(Branch)-Kywelanchaung Township : Ponna Gyun Rakhaine State

Commencement: 20, January, 2017 Handing over: 26, Nov, 2017 Const. Period: 11 months

Exist.Facilities:

New Facilities: 102'x30' RCC2 (6 Classrooms)-1 (Furniture:H240/P120)



102'x30' RCC2 (6 Classrooms)-2

4 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	30	21	19	16	23	17	9	20	26	181

		Contractor did not submit completion photos.
102'x30' RCC2 (6 Classrooms)-1 February 2017	102'x30' RCC2 (6 Classrooms)-1 August 2017	

Lot-34

- 1) Name of Contractor: Yoe Ma Ahla
- 2) Date of Contract: 18 January 2017
- 3) Contract Amount: 532.000 million kyats

Code No.235 BEHS(Branch)-Myoma Township : Ponna Gyun Rakhine State

Commencement: 18, January, 2017 Handing over: 18, Sep,2017 Const. Period: 9 months

Exist.Facilities:

New Facilities: 120'x30' RCC1 (4 Classrooms) (Furniture:H80/P40)
4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	28	40	32	45	32	30	34	74	69	63	53	500

		
120'x30' RCC1 (4 Classrooms) February 2017	120'x30' RCC1 (4 Classrooms) September 2017	120'x30' RCC1 (4 Classrooms) September 2017

Code No.249 PPS-Kyaukseik Township : Ponna Gyun Rakhaine State

Commencement: 18, January, 2017 Handing over: 22, Nov, 2017 Const. Period: 10 months

Exist.Facilities:

New Facilities: 132'x30' RCC2 (8 classrooms) (Furniture:H160/P80)
4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	62	83	87	54	52	40	31	409

		
132'x30' RCC2 (8 classrooms) February 2017	132'x30' RCC2 (8 classrooms) November 2017	132'x30' RCC2 (8 classrooms) November 2017

Code No.252 PPS-Dparyone Township : Ponna Gyun Rakhaine State

Commencement: 18, January, 2017 Handing over: 22, Nov, 2017 Const. Period: 10.5 months

Exist.Facilities:

New Facilities: 92'x30' RCC2 (6 Classrooms) (Furniture:H160/P80)

2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	16	30	22	25	47	36	33	48	17	274

		
92'x30' RCC2 (6 Classrooms) February 2017	92'x30' RCC2 (6 Classrooms) November 2017	20'x26' Headmaster House November 2017

Code No.261 BEPS-Kanhtaungkyi Township : Ponna Gyun Rakhaine State

Commencement: 18, January, 2017 Handing over: 18, Sep, 2017 Const. Period: 9 months



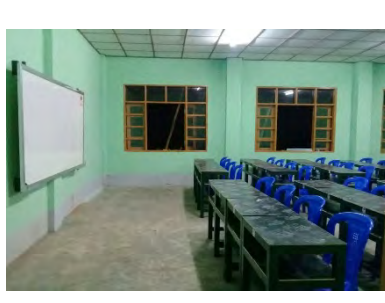
Exist.Facilities:

New Facilities: 120'x30' RCC1 (6 Classrooms) (Furniture: P50 sets)

2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	11	8	10	16	6	51

		
120'x30' RCC1 (6 Classrooms) September 2017	120'x30' RCC1 (6 Classrooms) September 2017	120'x30' RCC1 (6 Classrooms) September 2017

Lot-35

- 1) Name of Contractor: Shwe La La Win
- 2) Date of Contract: 2, January, 2017
- 3) Contract Amount: 630.000 million kyats

Code No.404 BEHS(Branch)-Myint Gar Township : Pauk Taw Rakhaine State

Commencement: 2, January, 2017 Handing over: 16, Nov, 2017 Const. Period: 8.5 months

Exist.Facilities:

New Facilities: 204'x30' RCC2 (12 Classrooms) (Furniture:H240/P120)
 60'x30' RC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	21	17	31	19	22	53	71	65	81	133	203	716



Code No.405 BEHS(Branch)-Thapyae Kan Township : Pauk Taw Rakhaine State

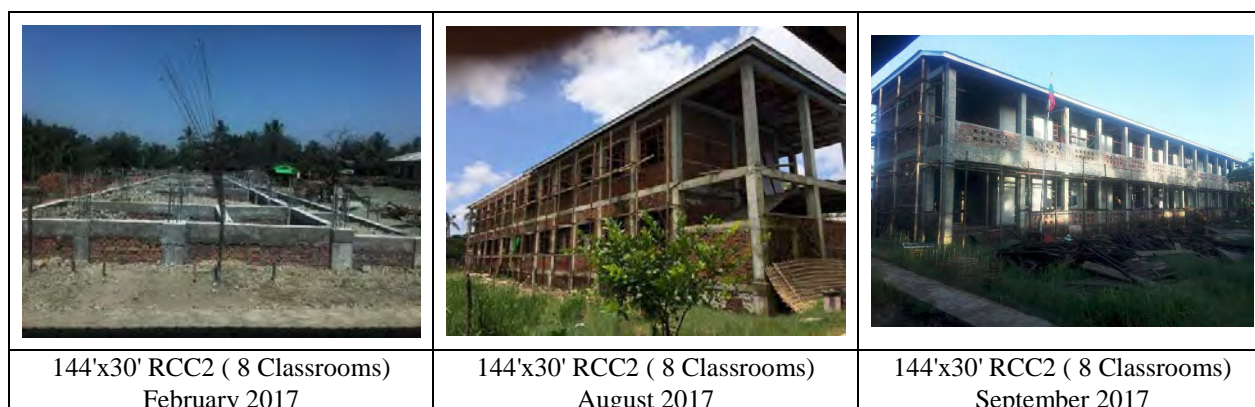
Commencement: 16, January, 2017 Handing over: 16, Nov, 2017 Const. Period: 11 months

Exist.Facilities:

New Facilities: 144'x30' RCC2 (8 Classrooms) (Furniture:H160/P80)
 60'x30' RCC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	20	44	38	26	20	61	62	64	59	37	28	459



Lot-36

- 1) Name of Contractor: Byar La Thu Kha
- 2) Date of Contract: 9, December, 2016
- 3) Contract Amount: 692.900 million kyats

Code No.310 BEHS(Branch)-Myot Ma Township : Rathedaung Rakhaine State

Commencement: 25, January, 2017 Handing over: January, 2018 Const. Period: 11 months

Exist.Facilities:

New Facilities: 144'x30' RCC2 (8 Classrooms)-1 (Furniture:
 144'x30' RCC2 (8 Classrooms)-2 High school:480 sets
 144'x30' RCC2 (8 Classrooms)-3 Primary : 240 sets
 60'x30' RC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

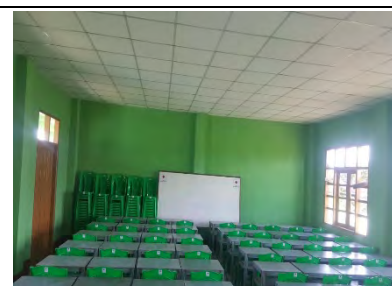
Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	40	61	50	47	42	96	97	104	124	168	164	993



44'x30' RCC2 (8 Classrooms)-1
January 2018



144'x30' RCC2 (8 Classrooms)-2
January 2018



144'x30' RCC2 (8 Classrooms)-3
January 2018



20'x26' Headmaster House
January 2018



4 booth Toilet
January 2018



Water System
January 2018

Lot-37

- 1) Name of Contractor: Saw Lin Htun Construction Co., Ltd.
- 2) Date of Contract: 24, January, 2017
- 3) Contract Amount: 542.750 million kyats

Code No.312 BEHS -Ku Taung Township : Rathedaung Rakhaine State

Commencement: 24, January, 2017 Handing over: January, 2018 Const. Period: 12months

Exist.Facilities:

New Facilities: 144'x30' RCC2 (8 Classrooms) (Furniture:H160/P80)

60'x30' RC KG (3 Classrooms)

4 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	51	79	71	72	83	116	114	109	102	131	137	1065

		
144'x30' RCC2 (8 Classrooms) February 2017	144'x30' RCC2 (8 Classrooms) January 2018	144'x30' RCC2 (8 Classrooms) January 2018

Code No.318 BEHS-Rathedaung Township : Rathedaung Rakhaine State

Commencement: 16, January, 2017 Handing over: January ,2018 Const. Period: 12.5 months

Exist.Facilities:

New Facilities: (Furniture:H160/P80)



60'x30' RCC KG (3 Classrooms)

4 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	38	61	50	48	41	96	97	104	124	168	163	990

		Contractor did not submit completion photos.
144'x30' RCC2 (8 Classrooms) February 2017	144'x30' RCC2 (8 Classrooms) November 2017	
		144'x30' RCC2 (8 Classrooms) January 2018

Lot-38

- 1) Name of Contractor: Byar La Thu Kha.
- 2) Date of Contract: 9, December, 2016
- 3) Contract Amount: 572.300 million kyats

Code No.313 BEHS-Satin Pyint Township : Rathedaung Rakhaine State




Commencement: 9, January, 2017 Handing over: 25, Dec, 2017 Const. Period: 12 months

Exist.Facilities:

New Facilities: 204'x30' RCC2 (12 Classrooms) (Furniture:H240/P120)
 60'x30' RC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	29	45	40	32	46	88	78	95	146	125	111	835

		
204'x30' RCC2 (12 Classrooms) January 2018	204'x30' RCC2 (12 Classrooms) January 2018	60'x30' RC KG (3 Classrooms) January 2018

Code No.343 PPS-Oh Phauk Township : Rathedaung Rakhaine State


Commencement: 9, January, 2017 Handing over: 9, Aug ,2017 Const. Period: 8 months

Exist.Facilities:

New Facilities: 72'x30' RCC2 (6 Classrooms) (Furniture:H160/P80)
 60'x30' RCC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	71	74	62	73	44	40	23	18	15	420

		
72'x30' RCC2 (6 Classrooms) January 2018	72'x30' RCC2 (6 Classrooms) January 2018	4 booth Toilet January 2018

Lot-39

- 1) Name of Contractor: Paing Tun
- 2) Date of Contract: 28, December, 2016
- 3) Contract Amount: 482.190 million kyats

Code No.319 BEHS-Laung Chaung Township : Rathedaung Rakhine State




Commencement: 16, January, 2017 Completion Schedule: End of March, 2018 Const. Period: 14.5 months

Exist.Facilities:

New Facilities: 144'x30' RCC2 (8 Classrooms) (Furniture:H160/P80)
 60'x30' RCC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	81	16	17	19	19	66	76	112	105	168	135	814

		
144'x30' RCC2 (8 Classrooms) March 2017	144'x30' RCC2 (8 Classrooms) September 2017	144'x30' RCC2 (8 Classrooms) March 2018

Code No.349 BEPS-Kyein Tan Township : Rathedaung Rakhaine State




Commencement: 16, January, 2017 Completion Schedule: End of March, 2018 Const. Period: 14.5 months

Exist.Facilities:

New Facilities: 72'x30' RCC2 (6 classrooms) (Furniture: P40 sets)
 2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	4	4	5	3	7	23

		
72'x30' RCC2 (6 classrooms) March 2017	72'x30' RCC2 (6 classrooms) November 2017	72'x30' RCC2 (6 classrooms) March 2018

Lot-40

- 1) Name of Contractor: Max Trust
- 2) Date of Contract: 3, January, 2017
- 3) Contract Amount: 457.560 million kyats

Code No.407 BEMS(3)-Mrauk-U Township : Maruk-U Rakhine State
 Commencement: 3, February, 2017 Handing over: 2, October, 2017 Const. Period: 9 months
 Exist.Facilities: 2 Classroom Buildings (5 Classrooms) Renovated by CB Bank assistance in 2015.
 New Facilities: 120'x30' RCC1 (4 Classrooms) (Furniture:H80/P40)
 60'x30' RCC KG (3 Classrooms)
 4 booth Toilet 20'x26' Headmaster House

Number of Students;




Grade	G5	G6	G7	G8	G9	G10	Total
Students	42	38	77	82	39	37	315

		
Existing Classroom September 2016	120'x30' RCC1 (4 Classrooms) May 2017	120'x30' RCC1 (4 Classrooms) August 2017

Code No.408 PPS-Par Taw Township : Maruk-U Rakhaine State
 Commencement: 18, January, 2017 Handing over: October, 2017 Const. Period: 9.5 months
 Exist.Facilities: 2 Classroom Buildings without partition (New classroom donated by Extend A Helping Hand in 2015)
 New Facilities: 144'x30' RCC2 (8 classrooms) (Furniture: H120/P60)
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	22	24	13	20	18	26	11	5	12	151

		
Existing Classroom (No partition) September 2016	144'x30' RCC2 (8 classrooms) May 2017	144'x30' RCC2 (8 classrooms) October

Lot-41

- 1) Name of Contractor: Arrakha Myar
- 2) Date of Contract: 24, January, 2017
- 3) Contract Amount: 664.000 million kyats

Code No.380 BEHS(Branch)-Myot Ma Township : Kyauk-Daw Rakhine State

Commencement: 24, January, 2017 Handing over: March,2018 Const. Period: 13.5 months

Exist.Facilities:

New Facilities: 144'x30' RCC2 (8 Classrooms) (Furniture:H160/P80)
 60'x30' RCC KG (3 Classrooms)
 4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	36	35	43	42	50	96	101	129	105	112	91	840

		
144'x30' RCC2 (8 Classrooms) February 2017	144'x30' RCC2 (8 Classrooms) June 2017	144'x30' RCC2 (8 Classrooms) March 2018

Code No.381 BEHS-Kan Saut Township : Kyauk-Daw Rakhaine State




Commencement: 10, January, 2017 Handing over: March, 2018 Const. Period: 13.5 months

Exist.Facilities:

New Facilities: 120'x30' RCC1 (4 classrooms) (Furniture: H80/P40)
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	18	38	64	37	61	68	60	103	124	158	104	835

		
Existing Classrooms June 2017	120'x30' RCC1 (4 classrooms) February 2017	120'x30' RCC1 (4 classrooms) March 2018

Code No.388 PPS-Bayawar

Township : Kyauk-Daw

Rakhaine State

Commencement: 20, January, 2017

Handing over: March, 2018

Const. Period: 13.5 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (3 Classrooms)-1

(Furniture: H80 sets

60'x30' RCC1 (3 Classrooms)-2

P40 sets)

60'x30' RCC KG (3 Classrooms)

2 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	8	13	19	20	18	26	19	123



60'x30' RCC1 (3 Classrooms)-1
February 2017



60'x30' RCC1 (3 Classrooms)-1
September 2017



60'x30' RCC1 (3 Classrooms)-1
March 2018

Code No.394 BEPS-Tout Ley Min Tan

Township : Kyauk-Daw

Rakhaine State

Commencement: 25, January, 2017

Handing over: November, 2017

Const. Period: 10 months

Exist.Facilities:

New Facilities: 120'x30' RCC1 (6 Classrooms)

(Furniture: P50 sets)

2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	0	5	7	3	2	17



120'x30' RCC1 (6 Classrooms)
February 2017



120'x30' RCC1 (6 Classrooms)
September 2017



120'x30' RCC1 (6 Classrooms)
November 2017

Code No.401 **BEPS-Thaung Chaung** Township : Kyauk-Daw Rakhaine State

Commencement: 11, January, 2017 Handing over: November, 2017 Const. Period: 10 months

Exist.Facilities:

New Facilities: 120'x30' RCC1 (6 Classrooms)

(Furniture: P60 sets)

2 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	11	10	10	10	15	56



120'x30' RCC1 (6 Classrooms)
February 2017



120'x30' RCC1 (6 Classrooms)
September 2017



120'x30' RCC1 (6 Classrooms)
November 2017




Lot-42

- 1) Name of Contractor: Arrakha Myar
- 2) Date of Contract: 24, January, 2017
- 3) Contract Amount: 678.550 million kyats

Code No.283 Ma-Anyun Taung Township : Minbya Rakhine State
 Commencement: 5, January, 2017 Handing over: 10, November, 2017 Const. Period: 11 months
 Exist.Facilities:
 New Facilities: 120'x30' RCC1 (6 Classrooms) (Furniture:/P30)
 4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	7	11	7	10	12	47

		
120'x30' RCC1 (6 Classrooms) March 2017	120'x30' RCC1 (6 Classrooms) August 2017	120'x30' RCC1 (6 Classrooms) March 2018

Code No.293 PPS-Thit Pouk Taung Township : Kyauk-Daw Rakhaine State
 Commencement: 5, January, 2017 Completion Schedule: End of June,2018 Const. Period: months

Exist.Facilities:

New Facilities: 120'x30' RCC2 (8 classrooms) (Furniture: H160/P80)
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	26	61	72	54	59	47	32	23	20	394

		
122'x30' RCC2 (8 classrooms) August 2017	122'x30' RCC2 (8 classrooms) September 2017	122'x30' RCC2 (8 classrooms) March 2017

Code No.297 BEPS-Kywe Naparzue Township : Kyauk-Daw Rakhaine State
 Commencement: 7, January, 2017 Completion Schedule: End of August, 2018 Const. Period: months

Exist.Facilities:

New Facilities: 120'x30' RCC PL6' (6 Classrooms) (Furniture: P60 sets)
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	14	19	13	12	9	67

		
120'x30' RCC PL6' (6 Classrooms) March 2017	120'x30' RCC PL6' (6 Classrooms) September 2017	120'x30' RCC PL6' (6 Classrooms) March 2017

Code No.301 BEPS-Sakayae Township : Kyauk-Daw Rakhaine State
 Commencement: 7, January, 2017 Completion Schedule: End of June,2018 Const. Period: months

Exist.Facilities:

New Facilities: 60'x30' RCC PL6' (3 Classrooms)-1 (Furniture: P100 sets)
 60'x30' RCC PL6' (3 Classrooms)-2
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	Total
Students	27	15	42	22	26	24	156

		
60'x30' RCC PL6' (3 Classrooms)-1 March 2017	60'x30' RCC PL6' (3 Classrooms)-1 August 2017	60'x30' RCC PL6' (3 Classrooms)-1 March 2017

Code No.303 BEPS-Pyaing Chaung Township : Kyauk-Daw Rakhaine State




Commencement: 10, January, 2017 Completion Schedule: Const. Period: months

Exist.Facilities:

New Facilities: 120'x30' RCC PL6' (6 Classrooms) (Furniture: P100 sets)
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	42	35	21	19	0	18	14	149

		
120'x30' RCC PL6' (6 Classrooms) March 2017	120'x30' RCC PL6' (6 Classrooms) September 2017	Delay due to material delivery problem March 2018

Lot-43

- 1) Name of Contractor: King Thar
- 2) Date of Contract: 13, December, 2016
- 3) Contract Amount: 384.840 million kyats

Code No.413 BEHS(Branch)-(1) Township : Maung Daw Rakhaine State

Commencement: 10, January, 2017 Completion Schedule: End of March, 2018 Const. Period: 14.5 months

Exist.Facilities:


New Facilities: 204'x30' RCC2 (12 Classrooms) (Furniture:H200/P100)

4 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	G5	G6	G7	G8	G9	G10	Total
Students	45	95	314	387	513	258	1612

		Not yet completed.
204'x30' RCC2 (12 Classrooms) February 2017	204'x30' RCC2 (12 Classrooms) February 2018	

Code No.432 PPS-Baw Di Gone

Township : Maung Daw Rakhaine State

Commencement: 26, April, 2017 Completion Schedule: Const. Period: months

Exist.Facilities:

New Facilities: 72'x30' RCC2 (6 Classrooms) (Furniture:H80/P40)

2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	Total
Students	1	5	3	2	7	28	30	26	102

		Not yet completed.
72'x30' RCC2 (6 Classrooms) May 2017	72'x30' RCC2 (6 Classrooms) February 2018	

Lot-44

- 1) Name of Contractor: Royal Aung Hein Kyaw
- 2) Date of Contract: 11, January, 2017
- 3) Contract Amount: 297.768 million kyats

Code No.420 BEHS-Kyein Chaung Township : Maung Daw Rakhaine State




Commencement: 28, January, 2017 Handing over: March, 2018 Const. Period: 13 months

Exist.Facilities:

New Facilities: 144'x30' RCC2 (8 Classrooms) (Furniture:H160/P80)
4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	184	259	147	146	84	162	129	146	201	180	116	1,754

		
144'x30' RCC2 (8 Classrooms) April 2017	144'x30' RCC2 (8 Classrooms) A 2017	144'x30' RCC2 (8 Classrooms) March 2018

Code No.422 BEHS-Maungdaw Township : Maung Daw Rakhaine State

Commencement: 25, Jauary 2017 Handing over: 10, July, 2017 Const. Period: 7 months

Exist.Facilities:

New Facilities: 90'x30' RCC1 (3 Classrooms) (Furniture:H60/P30)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	201	219	176	260	191	183	164	359	341	281	142	2,517

		
90'x30' RCC1 (3 Classrooms) April 2017	90'x30' RCC1 (3 Classrooms) May 2017	90'x30' RCC1 (3 Classrooms) August 2017

Lot-45

- 1) Name of Contractor: Shwe Kyun Thandar
- 2) Date of Contract: 23, January, 2017
- 3) Contract Amount: 235.280 million kyats

Code No.216 PPS-Kyaukkyipyin Township : Kyauk Phyu Rakhaine State




Commencement: 25, February, 2017 Completion Schedule End of April,2018 Const. Period: 14 months

Exist.Facilities:

New Facilities: 72'x30' RCC2 (6 Classrooms) (Furniture:H100/P50)
4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	16	25	18	27	25	22	27	17	25	202

		
Start construction February 2017	72'x30' RCC2 (6 Classrooms) March 2018	72'x30' RCC2 (6 Classrooms) March 2018

Code No.306 BEMS(Branch)-Pyin Kaw Township : Man Aung Rakhaine State


Commencement: 27, February, 2017 Handing over: 3, September, 2017 Const. Period: 7 months

Exist.Facilities:

New Facilities: 120'x30' RCC1 (4 Classrooms) (Furniture:H60/P30)
4 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	11	10	12	9	11	18	12	16	6	105

		
120'x30' RCC1 (4 Classrooms) March 2017	120'x30' RCC1 (4 Classrooms) May 2017	120'x30' RCC1 (4 Classrooms) September 2017

Lot-46

- 1) Name of Contractor: Soe Moe Yandanar
- 2) Date of Contract: 10, February, 2017
- 3) Contract Amount: 357.790 million kyats

Code No.450 BEMS(Branch)Dat Taw Gone Township : Ngapudaw Ayarwaddy

Commencement: 31, January, 2017 Handing over: 31, July, 2017 Const. Period: 6 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (2 Classrooms) for G5,G6 (Furniture:H60/P30)
4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	13	15	6	6	8	9	7	7	6	77

		
60'x30' RCC1 (2 Classrooms) April 2017	60'x30' RCC1 (2 Classrooms) June 2017	60'x30' RCC1 (2 Classrooms) July 2017

Code No.452 BEPS-May Done Township : Zalun Ayarwaddy

Commencement: 5, January, 2017 Handing over: 8, August, 2017 Const. Period: 7 months

Exist.Facilities:

New Facilities: 120'x30' RCC1 (6 Classrooms) for KG,G1,G2,G3,G4 (Furniture: P50)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	9	6	16	9	6	46

		
Existing Classroom Building August 2016	120'x30' RCC1 (6 Classrooms) August 2017	120'x30' RCC1 (6 Classrooms) August 2017

Code No.453 BEPS-Kyar Kyun Township : Danubyu Ayarwaddy

Commencement: 5, January, 2017 Handing over: 8, August, 2017 Const. Period: 7 months

Exist.Facilities:

New Facilities: 120'x30' RCC PL6' (6 Classrooms) for KG,G1,G2,G3,G4, Headmaster (Furniture: P50 sets)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	21	19	8	11	6	65



120'x30' RCC PL6' (6 Classrooms)
April 2017



120'x30' RCC PL6' (6 Classrooms)
August 2017



120'x30' RCC PL6' (6 Classrooms)
August 2017

Code No.463 SPS-Seit Kyi (2) Township : Thabaung Ayarwaddy

Commencement: January, 2018 Completion Schedule: End of July, 2018 Const. Period: months

Exist.Facilities:

New Facilities: 60'x30' RCC PL6' (3 Classrooms) (Furniture: P40 sets)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	4	8	1	7	5	25

						Not yet completed.

Code No.477 BEPS(Branch)-Mit Chaungaung Township : Thabaung Ayarwaddy

Commencement: 15, January, 2017 Handing over: 31, July, 2017 Const. Period: 6.5 months

Exist.Facilities:

New Facilities: 60'x30' RCC PL6'(3 Classrooms) for KG,G4, Headmaster room (Furniture: P40 sets)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	5	7	2	4	1	19

		
60'x30' RCC PL6'(3 Classrooms) April 2017	60'x30' RCC PL6'(3 Classrooms)	60'x30' RCC PL6'(3 Classrooms)

Code No.489 BEPS-Thar Baung Township Thabaung Awarwaddy

Commencement: 10, January, 2017 Handing over: 31, July, 2017 Const. Period: 6.5 months

Exist.Facilities:

New Facilities: 90'x30' RCC PL6'(3 Classrooms) for KG, G2,G4 (Furniture: P100 sets)
2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	45	58	40	37	42	222

		
Existing Classroom Building March 2017	90'x30' RCC PL6'(3 Classrooms) July 2017	90'x30' RCC PL6'(3 Classrooms) July 2017

Lot-47

- 1) Name of Contractor: Royal Aung Hein Kyaw
- 2) Date of Contract: 2, January, 2017
- 3) Contract Amount: 339.720 million kyats

Code No.30 BEHS (Branch) Shar Taline Township : Matupi Chin State



Commencement: 15, January, 2017 Completion Schedule: End of March, 2018 Const. Period: 14.5 months

Exist.Facilities:

New Facilities: 120'x30' RCC1 (6Classrooms) (Furniture:H80/P40)
4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students		21	12	8	7	10	4	4	3	69

		Contractor did not submit Monthly report.
120'x30' RCC1 (6Classrooms) March 2017	120'x30' RCC1 (6Classrooms) November 2017	

Code No.35 BEPS-Kay Lone Township : Matupi Chin State



Commencement: 20, January, 2017 Completion Schedule: End of March, 2018 Const. Period: 14.5 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:P20 sets)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	12	15	14	6	7	3	10	67

		Contractor did not submit Monthly report.
60'x30' RCC1 (3 Classrooms) March 2017	60'x30' RCC1 (3 Classrooms) November 2017	

Code No.36 **BEPS-Ngalar** Township : Matupi Chin State

Commencement: 25, January, 2017 Handing over: December, 2017 Const. Period: 11 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:P50 sets)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	2	3	6	6	4	21

		Contractor did not submit completion photos.
60'x30' RCC1 (3 Classrooms) March 2017	60'x30' RCC1 (3 Classrooms) November 2017	

Code No.37 **BEPS-Taung Bu** Township : Matupi Chin State



Commencement: 10, January, 2017 Completion Schedule: End of April, 2018 Const. Period: 15.5 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:P40 sets)
2booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	0	3	3	5	0	11

		Contractor did not submit Monthly report.
60'x30' RCC1 (3 Classrooms) March 2017	60'x30' RCC1 (3 Classrooms) November 2017	

Lot-48

- 1) Name of Contractor: Sky Wings
- 2) Date of Contract: 6, January, 2017
- 3) Contract Amount: 279.240 million kyats (Initial: 414.840 million kyats)

Code No.135 PPS-Aout Pone Township : Sidoktaya Magway Region

Commencement: 7, March, 2017 Completion Schedule: End of April, 2018 Const. Period: months

Exist. Facilities: 3 old classroom Buildings (7 classroom) + 2 Pre-fabricated buildings donated by China (Flooded during rainy season)

New Facilities: 120'x30' RCC PL6' (4Classrooms) (Furniture:H60/P30)

2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	16	13	10	11	14	18	21	12	12	127

		
Existing School August 2017	Inspection by YEC during suspension May 2017	120'x30' RCC PL6' (4Classrooms) March 2017

Code No.146 PPS-Saelan Township : Naung-U Mandalay Region

Commencement: 10, January, 2017 Completion Schedule: End of April, 2018 Const. Period: months

Exist. Facilities: Old classroom building (5classrooms) relocated from Sealan sandbank + 2 new classrooms

New Facilities: 60'x30' RCC1 (2 Classrooms) (Furniture:H20/P10)




60'x30' RCC KG(3 Classrooms)

2 booth Toilet

20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	25	21	15	23	26	19	19	148

		
Existing Classroom June 2016	Inspection by YEC during suspension August 2017	60'x30' RCC1 (2 Classrooms) & KG March 2018

Code No.147 SHS(Branch)-Bawpadan Township : Moegyoke Mandalay Region

Commencement: 25, January, 2017 Completion Schedule: End of April, 2018 Const. Period: months

Exist. Facilities: 3 classroom buildings (11 classrooms)

New Facilities: 60'x30' RCC1 (2 Classrooms) (Furniture:H20/P10)

60'x30' RCC KG(3 Classrooms)

4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	Total
Students	18	17	11	13	29	76	68	80	57	82	58	509

		
Existing School October 2016	Inspection by YEC during suspension May 2017	60'x30' RCC1 (2 Classrooms) March 2018

Code No.149 BEPS-Thone Gyun Township : Naung-U Mandalay Region

Commencement: 16, January, 2017 Completion Schedule: End of April, 2017 Const. Period: months

Exist. Facilities: 2 old school buildings + 1 pre-fabricated building donated by China (for KG & HM house)

New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:P20 sets)

2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	3	4	3	2	7	19

		
Existing Classroom March 2016	Inspection by YEC during suspension September 2017	60'x30' RCC1 (3 Classrooms) March 2018

Lot-49

- 1) Name of Contractor: Chin Hill Sun
- 2) Date of Contract: 10, January, 2017
- 3) Contract Amount: 200.220 million kyats

Code No.12 **BEMS (Branch)Tweekainzan** Township : Tomzan Chin State




Commencement: 10, January, 2017 Handing over: 16, July, 2017 Const. Period: 7 months

Exist.Facilities:

New Facilities: 60'x30' RCC PL6'(2Classrooms) (Furniture:H33/P17)
4 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	8	23	11	11	7	16	10	11	2	99

		
60'x30' RCC PL6'(2Classrooms) March 2017	60'x30' RCC PL6'(2Classrooms) April 2017	60'x30' RCC PL6'(2Classrooms) July 2017

Code No.13 **BEPS- Khantzan** Township : Tomzan Chin State




Commencement: 10, January, 2017 Handing over: 16, July, 2017 Const. Period: 7 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:P20 sets)
2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	9	15	13	14	4	55

		
60'x30' RCC1 (3 Classrooms) March 2017	60'x30' RCC1 (3 Classrooms) April 2017	60'x30' RCC1 (3 Classrooms) July 2017

Code No.14 **BEPS- Thartzan** Township : Tomzan Chin State

Commencement: 1, February, 2017 Handing over: 16, July, 2017 Const. Period: 5.5 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:P20 sets)

2 booth Toilet

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	9	4	5	4	4	26

		
60'x30' RCC1 (3 Classrooms) March 2017	60'x30' RCC1 (3 Classrooms) April 2017	60'x30' RCC1 (3 Classrooms) July 2017

Lot-50

- 1) Name of Contractor: Soe Moe Yandanar
- 2) Date of Contract: 18, January, 2017
- 3) Contract Amount: 407.220 million kyats

Code No.4 BEMS-(Branch) -Fire Township : Tidem Chin State

Commencement: 25, March, 2017 Handing over: December, 2017 Const. Period: 9 months

Exist.Facilities:




New Facilities: 60'x30' RCC1 (2 Classrooms) For G3, G5 (Furniture:H50/P25)

60'x30' RCC KG (3 Classrooms) for KG, G1, G2

4 booth Toilet 20'x26' Headmaster House

Number of Students; Node No.4 and 5

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	36	21	33	25	20	24	20	6	12	197

		
60'x30' RCC1 (2 Classrooms) March 2017	60'x30' RCC1 (2 Classrooms) November 2017	20'x26' Headmaster House November 2017

Code No.5 BEMS-(Branch) -Fire Township : Tidem Chin State

Commencement: 25, March, 2017 Handing over: December, 2017 Const. Period: 9 months

Exist.Facilities:

New Facilities: 60'x30' RCC1 (2 Classrooms) for G4, G6 (Furniture:H50/P25)

4 booth Toilet

		
60'x30' RCC1 (2 Classrooms) March 2017	60'x30' RCC1 (2 Classrooms) November 2017	60'x30' RCC1 (2 Classrooms) November 2017

Lot-51

- 1) Name of Contractor: Thein Phyu Tun
- 2) Date of Contract: 10, February, 2017
- 3) Contract Amount: 464.880 million kyats

Code No.6 **BEPPS-Gaungmual** Township : Tidem Chin State




Commencement: 23, March, 2017 Handing over: December, 2017 Const. Period: 10 months

Exist.Facilities:

New Facilities: 90'x30' RCC1 (3 Classrooms) Not use yet. (Furniture:H26/P13)
 60'x30' RCC KG (3 Classrooms) Not use yet.
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	Total
Students	16	22	17	13	9	11	8	96

		
Start Construction March 2017	90'x30' RCC1 (3 Classrooms) July 2017	60'x30' RCC KG (3 Classrooms) November 2017

Code No.7 **BEPPS-Tweesauk** Township : Tidem Chin State

Commencement: 16, January, 2017 Handing over: August,2017 Const. Period: 7.5 months

Exist.Facilities:

New Facilities: 90'x30' RCC1 (3 Classrooms) for G3, G4 (Furniture:H25/P13)
 60'x30' RCC KG (3 Classrooms) for KG, G1, G2
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	G5	G6	G7	G8	Total
Students	19	19	14	16	15	12	10	7	5	117

		
90'x30' RCC1 (3 Classrooms) May 2017	90'x30' RCC1 (3 Classrooms) July 2017	60'x30' RCC KG (3 Classrooms) July 2017

Code No.9 **BEPS-Swaungdot** Township : Tidem Chin State
 Commencement: 10, February, 2017 Handing over: 28, February,2018 Const. Period: 12.5 months
 Exist.Facilities:
 New Facilities: 60'x30' RCC1 (3 Classrooms) (Furniture:P20 sets)
 60'x30' RCC KG (3 Classrooms)
 2 booth Toilet 20'x26' Headmaster House

Number of Students;

Grade	KG	G1	G2	G3	G4	Total
Students	6	3	4	4	6	23

		
60'x30' RCC1 (3 Classrooms) February 2018	60'x30' RCC KG (3 Classrooms) February 2018	20'x26' Headmaster House February 2018

Appendix 4
Improvement Suggestion Table to DBE Standard
School Drawings

Appendix 4 Improvement Suggestion Table for DBE Standard School Drawings

First Improvements Advices (March 7, 2016)

No.	Name of Drawing	Issues	Improvement Advices	Reflection
1	Footing Plan • Section	Footings size are same in despite of different ground conditions.	Footing size shall be decided based on soil test result.	×
2	Plinth beams section	Stirrup bar dia is 6 mm and use round bar. Area of stirrup bar is insufficient.	6 mm bar change to 10mm deformed bar	○ ○
3	Footing Plan • Section	There are discrepancy for footing main bar numbers. Pitch and number description.	Indicate only number of rebar.	○
4	Plinth beam Rebar Section	Stirrup bar dia is 6 mm and use round bar. Area of stirrup bar is insufficient.	6 mm bar change to 10mm deformed bar	○
5	Plinth beam Section	Stirrup spacing are 6" at both end of grid 2.	Change to 4" c/c at 3m from end.	○
6	Plinth beam Section List	Main bars number is only 2 each at top and bottom. Area of main bars (16mm) are insufficient.	Number of main bar change From 2no. to 3 no.	○
7	Beam Section	Stirrup bar dia is 6 mm and use round bar. Area of stirrup bar is insufficient.	6 mm bar change to 10mm deformed bar	○
8	Beam Section	Stirrup spacing are 6" at both end of grid 2.	Change to 4" c/c at 3m from end	○
9	Change to 4" c/c at 3m from end	Main bar number described 3 each at top and bottom on the list, however, section is 2 number only.	Revise section drawing. Change to 3 no.	○
10	Change to 4" c/c at 3m from end	No section list for 9"x9" beam for Corridor.	Add 9"x9" Beam list	○
11	PL-6" Type Section	Slab thickness is only 4". Concrete coverage is insufficient.	Slab thickness change from 4" to 6".	○
12	PL-6" Type Section	There are Brick Retaining Wall on the grid 2 and 3.	Brick retaining walls on the grid 2&3 are not necessary from view of structure. Cancel brick wall	○
13	Roof Plan	No detail of steel trusses connection part.	Add connection detail drawing.	○
14	PL-6" Type Stair Detail	Riser height is 7.5". 7.5" is too High for pupil. 4" thickness stair slab is too thin.	Riser height change to less than 6 1/4".	○
15	PL-6" Type Slab Pan/Section	Slab thickness is only 4". Concrete coverage is insufficient.	Slab thickness change from 4" to 6".	○
16	3 Stories Typical Floor Plan	Span Width of Staircase, 10', is too short for minimum width of stair, 6'. (Recommended width)	Span width 10' change to 12' Follow standard width of Myanmar Building Code.	○
17	Column Detail	There are 180° hook to the top of column. But anchorage length to beam is shortage.	Anchorage more than 30d to beam.	△
18	Column Detail	Splice position of column main bar	Mention splice position.	△

No.	Name of Drawing	Issues	Improvement Advices	Reflection
		is not mentioned.		
19	Beam Rebar Detail	Anchorage length of beam main bar is not mentioned.	Anchorage more than 35d to column.	△
20	Beam Rebar Detail	Splice length of beam main bar is not mentioned.	Splice length shall be more than 40d.	△
21	Lintel Section	There are 3 nos. Main bar and triangle stirrup. Concrete coverage is insufficient.	Main bars number change to 2 nos.	○
22	Plinth Beam & Beam Section List	Hook of stirrup is not mentioned.	Mention 135° hook to stirrup	○
23	Column Section List	No X-Y direction on the list.	Mention cutting direction on the list.	△
24	Plinth beam Plan	Plinth beam on the grid 2 is not necessary from view of structure.	Delete grid 2 plinth beam from plan.	○

○ : Finish revision × : No revision △ : Not include in the tender drawing

Second Improvements Advices (April 6, 2016)

No.	Name of Drawing	Issues	Improvement Advice	Reflection
1	60'x30' Plan•Elevation	No stair width dimension. Stair width is too narrow due to wing wall (handrail).	Remove wing wall in order to widen stair width. Mention stair width 19'-3".	△
2	60'x30' Plan	Black board installing position is unclear.	Mention black board and dimension.	△
3	Retaining Wall Section	No dimension of width of Hard Core and lean concrete.	Mention 2'-6"	○
4	Footing Detailed Section	Footing and hard core/lean concrete are same width.	Lean concrete and hard core width become 3" wider than footing.	○
5	Footing Detailed Section	Thickness of sand fill has discrepancy depending on drawings.	Sand fill thickness 6" change to 1'.	○
6	Footing Detailed Section	Symbol of ground written on the plinth beam level.	Delete symbol of ground from section.	○
7	Column Section List	Hoop is written as Stirrup.	Revise name as hoop.	○
8	Plinth Beam Rebar Drawing	Stirrup spacing didn't mention at middle part.	Mention 6"c/c to middle 5'-3" part.	○
9	Plinth Beam Rebar Drawing	Number of main bar didn't revise to 3 no. at top and bottom.	Revise main bar number to each 3.	○
10	Plinth Beam Rebar Drawing	Beam depth and beam level are not Mentioned at corridor.	Add dimension: Beam depth 9" and 1', Level difference 6".	○
11	Beam Rebar Drawing	Stirrup spacing didn't mention at middle part.	Mention 6"c/c to middle 5'-3" part.	○
12	Beam Rebar Drawing	Number of main bar didn't revise to 3 no. at top and bottom.	Revise main bar number to each 3	○
13	Beam Rebar Drawing	Beam depth and beam level are not mentioned at corridor.	Add dimension: Beam depth 9" and 1', Level difference 6".	○
14	60'x30' Section	Thickness of steel member for trusses don't be written.	Wrote all steel member's thickness.	○

No.	Name of Drawing	Issues	Improvement Advice	Reflection
15	60'x30' Section	Ceiling material is written as 'Cement Board'. It is unclear non asbestos or not.	Revise to 'Non-Asbestos Cement Board'.	○
16	60'x30' Section	Mistake height of corridor beam. Finishing is not specified side of ceiling above beam.	Revise beam height. Mention 'Non Cement Board' to side of ceiling.	○
17	Lintel Section	Main bar number is revised. However, Concrete coverage thickness did not mention.	Wrote 1"	○
18	Roof Plan	Spacing of purlin is too wide at corridor part.	Add 1 more purlin to corridor part in order to equal arrangement.	○
19	Roof Plan	Rafter at roof corner is cantilever without support.	This rafter is not necessary. Delete from roof framing plan.	○
20	Gable side Elevation	Number of step is only 4. Riser height 9" is too high for pupil.	Add 2 steps and change 6 steps. Riser height change to 6"	○
21	3 stories Typical Floor Plan	Span Width of Staircase, 10', is too short for minimum width of stair, 6'.(Recommended width)	Span width 10' change to 12' Follow standard width of Myanmar Building Code.	○

Third Improvements (January & February, 2018) YEC revised by ourselves for 3rd Batch Tender

No.	Name of Drawing	Issues	Improvements	Reflection
1	144'x30' RCC2 Plan•Elevation	No floor level is not described on the classroom plan	Described FL-6" to corridor	○
2	144'x30' RCC2 Plan•Elevation	Position of Black Board is not described on the classroom plan	Described Black Board Position on the classroom plan	○
3	144'x30' RCC2 Staircase Section	Beam level on the Grid B is higher than corridor floor level.	Revised Beam level on the grid B.	○
4	144'x30' RCC2 Classroom Section	Level of black Board is not described on the classroom section	Draw Black Board and described bottom height, 2'-6".	○
5	144'x30' RCC2 Classroom Section	No elevation of down spout in the classroom section.	Draw pipe and elbow	○
6	144'x30' RCC2 Gutter•Down Spout Detail	Water sloop of gutter is not described in the detail	Described water slope, 1/200.	○
7	Door & Window Detail	Glass bead material is not described in the detail	Described 'Teak'	○
8	144'x30' RCC2 Staircase Section	Landing width is shorter than stipulated width for school stair in the building code.	Move step position in order to take 6' width (BBB)	○
9	Plinth Beam Detailed Section	Level of Concrete and finishing of Plinth Beam are unclear.	Unify all drawing floor level. 3'high is floor finishing level.	○
10	Footing Detailed Section	Length of rebar for column anchorage in the footing is not described	Described length from hook, 1'-3", in order to get 6d anchorage in the footing. (BBB)	○
11	Footing Detailed Section	No hook to footing rebar end.	Draw hook (BBB)	

No.	Name of Drawing	Issues	Improvements	Reflection
12	Column • Beam Detailed Section	Length of rebar of stirrup hook is not described	Described length from hook, 2", in order to get 6d. (BBB)	○
13	Column Top Detailed Section	No column top rebar detail (panel zone of column and beam) Some contractor did not make hook to column top.	Described length from hook, 2 5/8", for column top in order to get 6d. (BBB)	○
14	Beam Section	Anchorage length and placing position of beam bar are unclear.	Position of beam hook is inside of column main bar. Described length from hook, 8". (BBB)	○
15	Beam Section	Beam level around staircase is hard to understand of contractors.	Add beam section. Level difference location(Grid 2 & 6)	○
16	Beam Section	DBE beam size is not consider beam bar arrangement. Therefore, corridor beam bar cannot go through to class room beam.	Beam depth make 2" bigger in order to main bar go through to next span. (BBB)	○
17	Plinth Beam Plan • Detail	Plinth Beam level is not described in the plan. Therefore, contractors Cannot understand correct level.	Hatching in the plan in order to easy understand for 6" lower portion.	○
18	Plinth Beam Plan • Section	No beam level in the section. Contractor confuse finishing level and concrete level.	Described concrete beam level, GFL-1 1/4"(deduct finishing thickness), in the section.	○
19	First Floor Beam Plan	Beam symbol of landing beam in the plan.	Mention beam symbol and size on the other beam symbol.	○
20	Slab Plan, Section	No length description of slab anchorage portion.	Described 4" from hook for top bar, 6" from beam outside for bottom bar. (BBB)	○
21	Staircase Section	Landing width is shorter than stipulated width for school stair in the building code.	Move step position in order to take 6' width (BBB)	○
22	Steel Truss	Thickness of steel members is not described.	Minimum thickness is specified 4mm in order to proper welding at connection. (BBB)	○
23	Drainage • Apron Section、	Finishing thickness is not considered at corridor Plinth Beam level.	Described concrete beam level, GFL-1 1/4"(deduct finishing thickness), in the section.	○
24	Lighting Fixture Layout	Lighting fixtures quantity of 20' classroom is as same as 30' classroom. Illuminance is lack for 30' classroom.	Add 2 no. lighting fixture to each classroom.	○
25	120x30' PL6' Stair Plan • Section	Stair Step number and dimension of riser and tread are not described in the stair drawing.	Described Stair Step number and dimension of riser and tread.	○
26	Footing Plan	Dimension from grid A to center of footing in not described.	Described dimension, 8'-3", from grid A to center of footing.	○
27	120x30' PL7' Arch • Structure Drawing	No PL7' classroom drawing. DBE standard drawings are 6' type only.	YEC made PL7' type drawing for more than 6' flooding school. (BBB)	○
28	60x30' PL7' Arch • Structure Drawing	No PL7' classroom drawing. DBE standard drawings are 6' type only.	YEC made PL7' type drawing for more than 6' flooding school. (BBB)	○

No.	Name of Drawing	Issues	Improvements	Reflection
29	2 Booth Toilet FL5' Arch· Structure Drawing	DBE standard toilet drawings are 1.5' type only. School cannot use toilet in the flooding season.	YEC made FL5' type drawing for more than 5' flooding school. (BBB)	○
30	4 Booth Toilet FL5' Arch· Structure Drawing	DBE standard toilet drawings are 1.5' type only. School cannot use toilet in the flooding season.	YEC made FL5' type drawing for more than 5' flooding school. (BBB)	○
31	Desk·Bench Low Type	Desk length for 2 pupil are only 3 feet length. (Japanese school desk length is 2 feet per pupil.)	Desk and bench length change to 3'-6". It is maximum size considering passage between desk and desk (BBB)	○
32	Desk·Bench Middle Type	Desk length for 2 pupil are only 3 feet length. (Japanese school desk length is 2 feet per pupil.)	Desk and bench length change to 3'-6". It is maximum size considering passage between desk and desk (BBB)	

Improved types are as follows,

144'x30' RCC2, 120'x30' PL6', 120'x30' PL7', 120'x30' RCC1, 60'x30' PL6', 60'x30' PL7', 60'x30' RCC1, Headmaster House, 2B Toilet, 4B Toilet, Furniture

Improvements for Item of No.1~24 were same in each type classroom building.

|

Appendix 5

Additional particular Structural Specification for DBE Tender

Appendix 5 Additional particular Structural Specification for DBE Tender

April 2016

General Structural Specification

This specification shall apply to all drawings.

1. The contractor shall check relevant topographical, geological and metrological conditions of the construction site and shall design and construct safe and strong structure against all possible loads including dead load, live load, wind load, seismic load etc.
2. The contractor shall check all drawings and verify levels and dimensions in advance of the work and shall report any discrepancies to the Client immediately.
3. Unless otherwise noted all level refer to top surface of structural concrete.
4. The contractor shall obtain the Client's approval for all excavation and back filling as well as before placing any lean concrete and reinforced concrete. The excavation outside the foundation shall be backfilled with soil that is free of organic material, construction debris, cobbles and boulder or a controlled low-strength material (CLSM) Existing and backfill ground under footings, plinth beams, brick walls and slabs shall be compacted inlayers not exceeding 1 foot before applying 6 inches compacted sand layer.
5. The minimum depth of footing s below the undisturbed ground surface shall be 12 inches (305mm)
6. All concrete works shall conform to the Myanmar National Building Code (2016) requirement for reinforced concrete.
7. The Contractor shall determine the design mix proportion of reinforced concrete (RCC) prior to start work and obtain the approval of the Client. Designed mix proportion shall be established through trial mix. When designed mix proportion is being established with the objective of obtaining concrete strength at 28 days
8. Concrete have to be with minimum ultimate compressive strength at 28 days are as follows,

Required concrete compressive strength	
For lean concrete	2,000 psi
For Slab on grade	2,500 psi
For other RCC structure	3,000 psi

9. Water-Cement Ratio

Water-cement ratio shall be establish so as satisfy each of two conditions given below, and shall be approval by the Client.

(1) Proportioning strength must be attainable.

(2) Water-cement ratio shall be lower than the maximum values indicated below table.

Kind of Cement	Maximum Water-Cement Ratio (%)
Ordinary Portland Cement	58

10. Curing

After concrete has been placed the concrete surface shall be kept moist by sprinkling water or by other appropriate method, and shall be protected from direct sunlight, rapid drying and cold.

Kind of Cement	Minimum Periods of Curing and Protection (days)
Ordinary Portland Cement	7

11. Reinforcing steel bar shall be hot rolled or cold-worked deformed bars and conform to ASTM A615 or equivalent and shall have minimum yield stress of 40,000psi.

12. Minimum period before striking formwork

Type of formwork	Minimum period before striking
Vertical formwork to columns	24 h
Vertical formwork to beams	2 days
Soffit formwork to slabs	7 days
Soffit formwork to beam and props to slabs	14 days or shore until achieve design compressive strength
Props to beams	21 days or shore until achieve design compressive strength

13. Concrete cover for Reinforcing Bars

(a)	1 ¹ / ₂ " for Columns and beams
(b)	1 ¹ / ₂ " for pedestals and plinth beams
(c)	3" for footings

14. The dimension of structure and building shall be revised upon requirement and request by the Client.

15. All the building shall be constructed as per designed drawing and modification of partition, change of doors and windows' location shall be upon request by the Client.

16. All timber work shall conform to the Myanmar National Building Code (2016) requirement.

TEST

1. Concrete material

a) Cement

Cement shall be conform ASTM C150 (Ordinary Portland Cement).

The Contractor shall submit mill certificate of cement for Client approval.

b) Aggregate

Fine and coarse aggregate shall be tested in accordance with following standard for Client approval.

ASTM C29 (Method of test for aggregates for concrete)

ASTM 136 (Standard method for sieve analysis of fin and coarse aggregates)

ASTM 127 (Test method for density, relative density (specific gravity), and absorption of coarse aggregate)

ASTM 128 (Test method for density, relative density (specific gravity), and absorption of fine aggregate)

c) Water

As water is not suitable and sufficient for mixing of concrete in construction sites, water shall be brought in to each site from nearest town. At the beginning of site work, water quality of those sources shall be checked by the Client on its cost with testing that water sample at designated laboratories in accordance with ASTM 1602 (Specification for construction water). Then when the result of water quality is met with criteria, will be approved by the Client for construction use at site.

2. Fresh Concrete

a) Concrete Slump Test

The slump test carried out as follows,

Description	slump	tolerance
All reinforcement concrete	5 inches	±1 inch

b) Temperature Test for Concrete

Temperature of mixed concrete shall be checked by the Contractor on the day of each concrete placing with thermometer.

c) Concrete Compressive Strength Test

For all important reinforced concrete works, concrete compressive strength test shall be carried out regularly. For each day of concrete placing, six number of test specimens are to be taken, 3 for 7days strength and 3 for 28 days strength.

3. Tensile Strength Test for Reinforcing Bars

Before delivery of reinforcing bars to the site, tensile strength test shall be carried out at the designated laboratories. When the test result satisfy the criteria of reinforcing bars, those reinforcing bars will be approved by the Client to use them at site. After that this test shall be carried out once in every 15 tons of delivery.

Sign Board of the Programme and Work

Before commencement of temporary and permanent works, the contractor shall provide and erect a temporary name board that inform the public all general configurations of the construction works including Japan's national flag and the national flag of the Republic of the Union of Myanmar and the project name showing support from Japan, in English and Myanmar language.

Commemorative plate

The Contractor shall provide and install at each project site commemorative plates shown Japan's national flag and the national flag of the Republic of the Union of Myanmar, the project name and year of taking-over shall be written.

The Commemorative Plate will be installed outside; therefore the plate shall be Stainless Plate which will be withstood able to exposing sunshine and weather-beaten.

The Commemorative plate shall be embedded or fixed firmly to the concrete pedestal, the dimension and location of the pedestal shall be approved by the Engineer.

The Contractor shall provide the plates and/or stickers of Japan's national flag of which outline is shown as below.

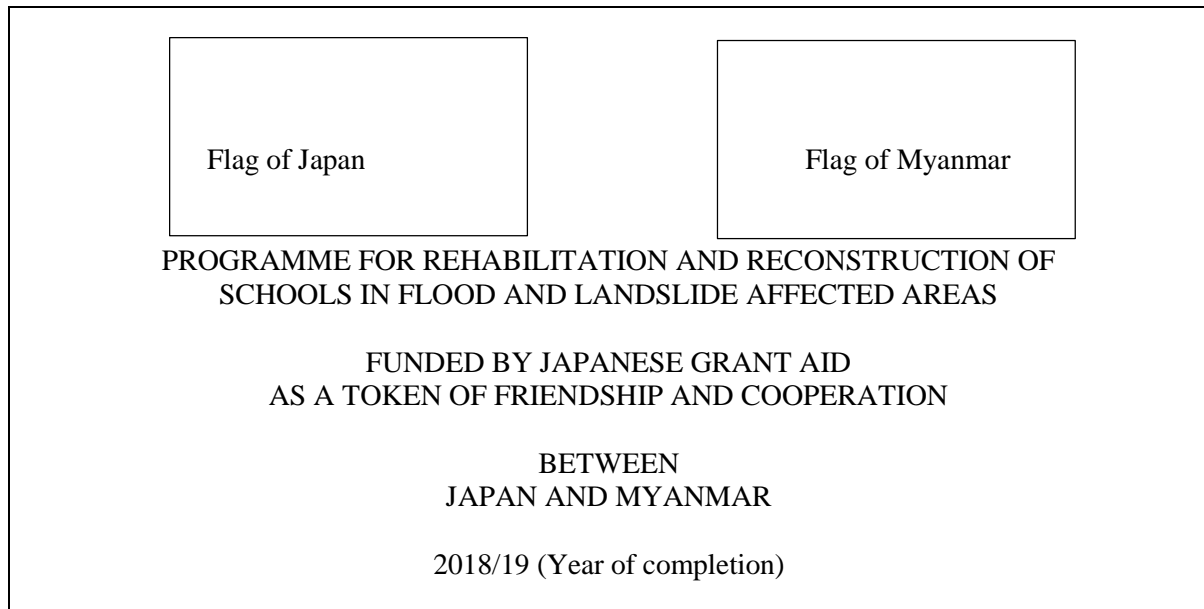
1) Color System

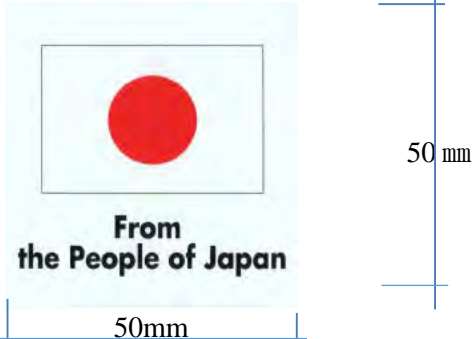
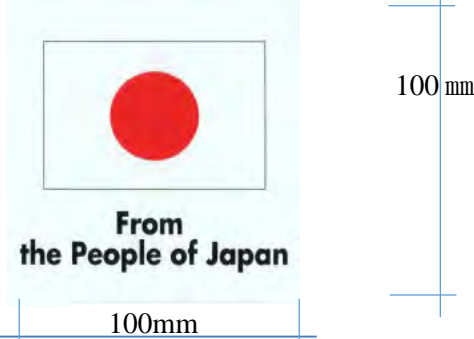
The Contractor shall be required to render the full-color, not black-and-white, of the flag only.

2) Red

"Red" is the color of the national flag of Japan, a symbolic color of Japanese harmony, and a color which evokes passionate images. Based on these associations, red color has been chosen to represent the nation of Japan.

- DIC156.
- PANTONE185 (approx. decimal fraction).
- Four-color resolution M100% +Y90% (approx. decimal fraction).



 <p>50mm</p> <p>50mm</p>	 <p>100mm</p> <p>100mm</p>
Sticker for each Desk & Chair	Sticker for Blackboard

Safety, health and environmental consideration

Protection of the Works and Adjoining Properties, Anti Pollution Measures

The Contractor shall provide all things necessary for the protection of the Works and all unfixed materials and goods delivered upon the Site of the Works, whether delivered by the Contractor, nominated Contractors, and direct Contractors for use upon the Works. The Contractor shall assume full responsibility for any cost and damage sustained to the foregoing from whatever cause arising, throughout the duration of the Contract.

The Contractor shall carry out the Works in such a manner so as to avoid noise and environmental pollution and causing damage to the existing houses, adjoining, and adjacent and subjacent properties.

The Contractor shall make adequate provisions, by the suitable methods as directed by the Engineer or required by the Authorities, against any nuisance or damage by dust or other pollution for work under this Contract and to persons or properties in the vicinity, and he will be held solely responsible for any complaint, damage or claim in this connection.

Consideration of Environment and No Use of Asbestos

The Contractor shall care about the environmental matters including noise, vibration, water contamination, air pollution etc. The Contractor shall properly handle and dispose of toxic materials including asbestos if any would be found in the site. Toxic materials including asbestos shall not be used in any case.

Removal of Refuse from Site

Refuse and waste shall be removed from the worksites to the designated disposal site.

Appendix 6

Tender Evaluation Result for 1st Batch Tender

1st Batch Tender Evaluation

from 23rd April 2016 to July 2017.

Lot No.	Name of Tenderer	Bid Price (mil.MMK)	Rank	Evaluation Price by Consultant	Final Price (mil.MMK)	Issues of Tender Proposal
21	Htet Arkar	643.360	5	578.370	638.810	Mistake of slab concrete quantity. (Slab thickness 1.5" - 1.5') Mistake of brick wall quantity. Confirm rafter steel member thickness. 6nos of footing F1 cancel. Add 2nos of F2 for 2story building. Htet and Su Htoo(Lot-22) are partner companies.
22	Su Htoo San	881.440	5	796.180	740.320	Mistake of slab concrete quantity. (Slab thickness 1.5" - 1.5') Mistake of brick wall quantity. Confirm rafter steel member thickness. 8nos footing cancel front 140'x30' 3story building Htet(Lot-21) and Su Htoo used same estimator.
23	Soe Moe Yadanar	126.860	1	Consultant instructed missing cost in the bid.	122.538	Not include Electrical work cost. No breakdown sheets for WC and water system. Confirm rafter steel member thickness.
24	Nawarat Thitsar	582.130	1	586.330	Tenderer failed due to their cost increasing after quality request.	Misunderstood number of classrooms. 3 to 2 Not include electrical work cost. Rafter steel member is too thin. (3mm thk.?)
25	Nawarat Thitsar	339.290	1	342.440	Tenderer failed due to their cost increasing after quality request.	Misunderstood number of classrooms. 3 to 2 Not include electrical work cost. Rafter steel member is too thin. (3mm thk.?)
26	Linn Yaung Htoo	563.680	4	Consultant instructed missing cost in the bid.	581.410	Not include Electrical work cost. Rebar quantity is lack.(50% shortage) Refer comparison table No splice, no anchorage, Stirrup dia mistake Lintel main bar 10mm change to 12mm. Confirm rafter steel member thickness. Not necessary hardcore under slab.
27	No qualified Tenderer in this lot.				Tenderer dropped after bidding due to estimation mistake.	Lowest tenderer dropped, 2nd and 3rd tenderer' s price were higher than DBE budget.

Lot No.	Name of Tenderer	Bid Price (mil.MMK)	Rank	Evaluation Price by Consultant	Final Price (mil.MMK)	Issues of Tender Proposal
28	A Chinn Sit Than	578.800	3	Consultant instructed missing cost in the bid.	450.740	Rebar quantity calculation mistake. Main bar too much, Stirrup is lack. Plaster and paint quantity is lack.(forgot column)
29	Thiha Yarzar Soe	488.237	1	478.267	This lot was canceled due to land and security issue.	Misunderstood number of classrooms. 3 to 2 Mistake roof beam form quantity. Eaves quantity mistake. Apply 120' Q'ty for 60'
30	Myanmar Shwe Taung	249.000	3	No issue in the estimation.	Tenderer dropped because of no submission of additional Information.	Attached schedule is too poor consideration. (How can construct building complete structure within 1 month.) Myanmar Shwe and Byar(Lot-31) use same estimator.
31	Byar La Thu Kha	224.955	4	No issue in the estimation.	235.607	Attached schedule is too poor consideration. (How can construct building complete structure within 1 month.) Myanmar Shwe(Lot-30) and Byar use same estimator.

Appendix 7

Tender Evaluation Result for 2nd Batch Tender

Summary Sheet for Technical Evaluation of Second Batch

			Lot 32			Lot 33			Lot 34			Lot 35			Lot 36			Lot 37			Lot 38			Lot 39			Lot 40			Lot 41		
			(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)
Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
Omission of Estimation (Electrical Work, Lightning Arrestor, Drainage etc.)	No omission	10																														
	1 omission	5	10	5	10	10	10	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	More than 2 omissions	0																														
Accuracy of Quantity Measurement for Reinforcing bar	Q'ty difference ±10%	10																														
	Q'ty difference ±20%	5	5	5	5	5	10	5	5	10	5	10	0	0	5	10	0	5	5	0	5	5	0	0	0	0	5	0	0	5	10	0
	Q'ty difference more than 20%	0																														
Accuracy of Quantity Measurement for Steel Structure	Q'ty difference ±20%	5	5	0	5	5	0	5	5	5	5	5	0	0	5	5	5	5	0	0	5	0	0	0	0	0	5	5	0	5	0	5
	Q'ty difference more than 20%	0																														
	subtotal (25)		20	10	20	20	20	15	20	25	20	25	10	10	20	25	15	20	15	10	20	15	10	10	10	10	20	15	10	20	10	15

B. Proposed Construction Schedule

Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
Appropriateness of proposed period of the Master Construction Schedule	Proper proposed period for overall project	5	5	5	0	5	5	5	5	5	5	5	0	5	5	5	0	5	5	5	5	5	5	5	0	5	0	0	5	0	0	0
	Improper proposed period for overall project	0																														
Appropriateness of proposed period of each building on the Master Schedule	Proper proposed period for each building	5	3	3	0	0	5	5	3	3	3	2	0	3	3	0	3	3	3	3	3	3	3	3	2	5	5	3	3	0	3	5
	Improper proposed period for each building	0																														
Appropriateness of Preparation Time after starting on the Detailed Schedule	Proper mobilization time after starting	5	0	2	3	0	0	0	3	3	0	3	0	3	2	2	2	2	0	3	2	2	5	3	3	3	3	5	5	0	3	5
	Improper mobilization time after starting	0																														
Appropriateness of proposed duration of each activity on the Detailed Schedule	Proper proposed duration for each activity	5	3	5	5	0	5	2	3	5	0	3	0	0	5	5	3	5	3	3	5	2	0	3	3	5	0	3	2	0	2	3
	Improper proposed duration for each activity	0																														
Comprehension for quality assurance on the Detail Schedule	Take account of concrete curing and drying before paint	5	0	3	3	0	0	0	5	5	0	2	5	3	5	5	5	5	5	5	5	5	5	5	5	0	0	3	5	0	5	3
	No take account of concrete curing and drying before paint	0																														
subtotal (25)			11	18	11	5	15	12	19	21	8	15	5	14	20	17	13	20	16	19	20	16	20	21	14	16	3	14	22	5	15	14

C. Work Experience and Financial Background of Tenderer

Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
Experience of Similar Work (New construction of school building)	More than 3 similar works in the past 3 years	10	5	0	0	0	10	10	10	10	0	10	5	0	10	10	10	10	10	0	10	10	0	0	5	5	0	0	0	10	0	0
	More than 2 similar works	5																														
	Less than 1 similar work	0																														
Annual Turnover in the past 3 years (Builder's firm only)	More than 1,000,000,000 MMK per year	10	0	10	10	0	5	10	10	0	0	5	0	5	0	10	5	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0
	More than 500,000,000 MMK per year	5																														
	Less than 500,000,000 MMK per year	0																														
Financial Report (Blanca sheets, profit and loss statement)	Attached evidence	5	5	5	5	0	5	5	0	5	0	5	0	5	0	5	5	0	0	0	0	0	0	0	5	0	0	5	0	0	5	5
	No evidence	0																														
subtotal (25)			10	15	15	0	20	25	20	15	0	20	5	10	10	25	20	10	10	0	10	10	0	0	10	5	0	5	5	15	5	5

D. Employed Engineer, Proposed Site Manager and Own Equipment

Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
Number of Engineer (Employee)	More than 3 experienced engineers	5																														
	2 experienced engineers	3	5	5	5	0	5	5	5	5	0	5	1	5	5	5	5	5	0	1	5	1	0	0	5	5	1	5	0	3	5	5
	1 experienced engineer	1																														
	No experienced engineer	0																														
Plan to dispatch eligible site manager in the Organization Chart	Dispatch eligible site manager to every sites	10																														
	Dispatch SM every sites but few experience	5	10	5	0	0	5	5	10	10	0	5	5	5	5	10	5	5	5	5	5	5	5	0	5	5	0	5	5	5	5	5
	Number not enough or no organization chart	0																														
Own Equipment	Owens enough concrete mixers and vibrators	10																														
	Owens mixer etc. but less than site number	5	10	10	5	0	10	0	5	5	0	10	10	10	10	10	10	10	0	10	10	0	10	10	10	0	5	10	10	5	10	10
	No Tender's Equipment list	0																														
subtotal (25)		25	20	10	0	20	10	20	20	0	20	16	20	20	25	20	20	5	16	20	6	15	10	20	10	6	20	15	13	20	20	

Total Point

66 63 56 25 75 62 79 81 28 80 36 54 70 92 68 70 46 45 70 47 45 41 54 41 29 54 52 53 50 54

Summary Sheet for Technical Evaluation of Second Tender

			Lot 42			Lot 43			Lot 44			Lot 45			Lot 46			Lot 47			Lot 48			Lot 49			Lot 50			Lot 51		
			(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	
Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	
Omission of Estimation (Electrical Work, Lightning Arrestor, Drainage etc.)	No omission	10																														
	1 omission	5	0	10	5	10	10	10	10	10	10	0	5	10	10	10	10	10	10	10	10	10	10	0	10	10	0	0	10	10	0	
	More than 2 omissions	0																														
Accuracy of Quantity Measurement for Reinforcing bar	Qty difference ±10%	10																														
	Qty difference ±20%	5	10	0	0	10	10	10	5	10	10	0	5	5	5	5	5	5	10	5	5	10	5	10	10	10	0	10	10	10	10	10
	Qty difference more than 20%	0																														
Accuracy of Quantity Measurement for Steel Structure	Qty difference ±20%	5	0	0	0	0	5	5	5	5	0	5	5	5	0	5	0	5	0	5	0	0	0	0	5	0	0	5	0	0	0	
	Qty difference more than 20%	0																														
	subtotal (25)		10	10	5	20	25	25	20	25	20	5	15	20	15	20	15	20	20	20	15	20	15	10	25	20	5	10	20	10		

B. Proposed Construction Schedule

Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
Appropriateness of proposed period of the Master Construction Schedule	Proper proposed period for overall project	5	0	0	5	0	0	5	0	5	5	0	0	0	5	5	0	0	0	5	3	5	0	5	3	5	5	5	5	5	5
	Improper proposed period for overall project	0																													
Appropriateness of proposed period of each building on the Master Schedule	Proper proposed period for each building	5	5	3	3	3	3	3	3	3	2	5	5	0	3	3	3	0	3	5	2	3	0	5	3	3	5	3	3	3	3
	Improper proposed period for each building	0																													
Appropriateness of Preparation Time after starting on the Detailed Schedule	Proper mobilization time after starting	5	3	2	2	2	3	2	3	3	0	3	2	0	3	3	3	0	2	3	0	3	3	0	5	3	5	0	3	0	0
	Improper mobilization time after starting	0																													
Appropriateness of proposed duration of each activity on the Detailed Schedule	Proper proposed duration for each activity	5	5	2	3	5	2	5	3	3	0	2	3	0	3	0	3	0	2	5	3	0	3	0	3	0	5	0	0	0	0
	Improper proposed duration for each activity	0																													
Comprehension for quality assurance on the Detail Schedule	Take account of concrete curing and drying before paint	5	5	5	5	0	0	3	5	0	5	5	5	0	0	2	5	0	0	5	0	2	2	0	3	2	0	0	2	0	0
	No take account of concrete curing and drying before paint	0																													
subtotal (25)			18	12	18	10	8	18	14	14	12	15	15	0	14	13	14	0	7	23	8	13	8	10	17	13	20	8	13	8	

C. Work Experience and Financial Background of Tenderer

Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
Experience of Similar Work (New construction of school building)	More than 3 similar works in the past 3 years	10	0	0	0	10	10	10	0	10	10	0	0	0	0	5	10	0	0	10	10	0	10	10	5	5	10	10	0	10	
	More than 2 similar works	5																													
	Less than 1 similar work	0																													
Annual Turnover in the past 3 years (Builder's firm only)	More than 1,000,000,000 MMK per year	10	0	0	0	5	0	0	0	0	10	0	0	0	10	0	0	0	5	0	0	0	0	0	10	0	10	0	0	0	0
	More than 500,000,000 MMK per year	5																													
	Less than 500,000,000 MMK per year	0																													
Financial Report (Blanca sheets, profit and loss statement)	Attached evidence	5	5	0	0	5	5	0	0	5	5	0	0	0	5	5	0	0	5	5	0	5	5	0	5	5	5	5	0	5	0
	No evidence	0																													
subtotal (25)			5	0	0	20	15	10	0	15	25	0	0	0	15	10	10	0	10	15	10	5	15	10	20	10	25	10	5	10	

D. Employed Engineer, Proposed Site Manager and Own Equipment

Item	Evaluation Criteria	Point Allocatio	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point	Point
Number of Engineer (Employee)	More than 3 experienced engineers	5																													
	2 experienced engineers	3	5	0	3	5	1	5	0	1	5	1	5	0	3	5	5	0	3	0	5	5	0	5	5	5	0	5	5	5	
	1 experienced engineer	1																													
	No experienced engineer	0																													
Plan to dispatch eligible site manager in the Organization Chart	Dispatch eligible site manager to every sites	10																													
	Dispatch SM every sites but few experience	5	5	5	5	10	5	10	5	5	5	5	5	5	5	0	5	0	5	0	5	0	5	10	5	0	5	10	0	10	
	Number not enough or no organization chart	0																													
Own Equipment	Owens enough concrete mixers and vibrators	10																													
	Owens mixer etc. but less than site number	5	10	5	10	10	10	10	0	10	10	10	10	10	5	10	10	0	10	0	10	10	10	10	10	10	10	10	10	10	
	No Tender's Equipment list	0																													
subtotal (25)		20	10	18	25	16	25	5	16	20	16	20	15	13	15	20	0	18	0	20	15	15	25	20	15	15	25	15	25		

Average

Total Point	53	32	41	75	64	78	39	70	77	36	50	35	57	58	59	20	55	58	53	53	53	55	82	58	65	53	53	53	55.5
--------------------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-------------

Check Sheet for Submission of 2nd Batch Tender Form

Oct. 2016

Rank	Lot 32 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	269	Young Sin Arr	✓	✓	✓	✓	✓	✓	✓
2	221	Hlaing Myint Moe Tun	✓	✓	✓	✓	✓	✓	✓
3	272	Ngwe Tun Toe Kyew	✗	✓	✓	✓	✓	✓	✓
4	068	Future Golden Land Rakhine	✓	✓	✓	✓	✓	✓	✓
5	255	Shwe La La Win	✓	✓	✓	✓	✓	✓	✓
6	276	Shwe Pha Khin Myae	✓	✓	✓	✓	✓	✓	✓
7	278	Rakhine Development	✓	✓	✓	✓	✓	✓	✓
8	013	Royal Zin Yew	✓	✓	✓	✓	✓	△	✓
9	086	Thiha Yazar Soe Lot-29(Lot-28)	✓	✓	✓	✓	✓	✓	✓
10	097	Unico Myanmar	✓	✓	✓	✓	✓	✓	✓
11	006	Moe Kyaw International	✓	✓	△	✗	△	△	✓
12	312	HT-9	✓	✗	✓	✓	✓	✓	✓
13	336	Zew Compny	✓	✓	✓	✓	✓	✓	✓
14	153	Golden Gate Int'l Development	✓	✓	✓	✓	✓	△	✓
15	211	Yoe Ma Man Dine	✓	✓	✓	✓	△	△	✗
16	184	Latt Kaung Thaw Yadana Shwe Myae	✓	✓	✓	✓	△	✗	✓
17	260	Brave Man International	✓	✓	✓	✓	✓	✓	✓
18	264	Ma Har Bi Thu Kar	✓	✓	△	✓	✓	✓	✓
19	252	Myanmar Ariyam	✓	✓	✓	✓	△	△	✓
20	207	Pyae Sanna	✓	✓	✓	✓	✓	✓	✓
21	200	National Steel & Construction	✗	✓	△	✓	△	✓	✓
22	019	Thapar	✓	✓	✓	✓	✓	✓	✓

Rank	Lot 33 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	306	See Ban Ni	△	△	✓	✗	✗	✗	✗
2	256	Shwe La La Win Lot-31	✓	✓	△	✓	✓	✓	✓
3	171	Thiha Yazar Soe Lot-29(Lot-28)	✓	✓	✓	✓	✓	△	✓
4	190	Ko Doung Group	✓	✓	✓	✓	✓	△	✓
5	054	Zest Co., Ltd	✓	✓	✓	✓	✓	△	✓
6	182	Git Sa Payee Kying	✓	✓	✓	✓	✗	✗	✓
7	198	Rakhine Yadana	✗	✓	✓	✓	✗	✓	✓
8	168	Thiri Shwe Eain	✓	✓	✓	✓	△	△	✗

Rank	Lot 34 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	069	Future Golden Land Rakhine	✓	✓	✓	✓	✓	△	✓
2	083	Yoe Ma Ahla	✓	✓	✓	✓	✓	△	✓
3	287	Pyae Nan San	△	△	✓	✗	✗	✗	✗
4	223	Hlaing Myint Moe Tun	✓	✓	✓	✓	✓	✓	✓
5	087	Thiha Yazar Soe Lot-29(Lot-28)	✓	✓	✓	✓	✓	△	✓
6	281	GMG	✓	✓	✓	✓	✓	△	✓
7	077	Asia Myanmar Dragon	✓	✓	✓	✓	✓	△	✓
8	277	Shwe Pha Khin Myae	✓	✓	✓	✓	✓	△	✓
9	199	Swem Yee Gabar	✓	✓	✓	✓	✓	✓	✓
10	183	Git Sa Payee Kying	✓	✓	✓	✓	✗	✗	✓
11	039	Htet Akar Lot-21	✓	✓	✓	✓	△	△	✗
12	241	Taw Wan La Chan Myae	✓	✓	✓	✓	✓	△	✓
13	138	Sinma Construction Group	✓	✓	✓	✗	✓	△	✓

1st Batch Tenderer (successful)

1st Batch Tenderer (unsuccessful)

✓ ok

1st Batch Tenderer (Negotiated)

Recommended Contractor by Education office Rakhaine

△ incomplete

Rank	Lot 35 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	319	Shwe La La win	✓	✓	△	✓	✓	△	✓
2	324	Sun Glow	×	✓	✓	✓	✓	△	△
3	196	A.K.B	✓	✓	✓	✓	✓	✓	✓
4	275	Zew	✓	✓	✓	✓	✓	✓	✓
5	090	Thar Gi Swe	✓	✓	✓	✓	✓	✓	✓
6	130	Eain Gyi Rakhine	×	✓	△	✓	✓	△	△

Rank	Lot 36 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	323	Byar La Thukha Lot-31	✓	✓	✓	✓	✓	△	✓
2	257	Myanma Eain Yer	✓	✓	✓	✓	✓	△	✓
3	229	Kein Thar	✓	✓	✓	×	✓	△	✓
4	326	Rakhine Yadana	×	✓	✓	✓	×	✓	✓
5	091	Thar Gi Swe	✓	✓	✓	✓	✓	✓	✓
6	214	Rathaedaung Next Generation	✓	✓	✓	✓	△	×	△
7	191	Khine Rakhine	✓	✓	✓	✓	✓	✓	✓
8	018	Man Ayar Widi	✓	✓	✓	✓	✓	△	△
9	337	Thara Par	✓	✓	✓	✓	✓	✓	✓
10	041	Htet Akar	✓	✓	✓	✓	✓	△	×

Rank	Lot 37 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	037	Byar La Thukha Lot-31	✓	✓	✓	✓	✓	△	✓
2	169	Saw Lin Tun	✓	✓	✓	✓	✓	×	✓
3	302	Naing Htet Khing	✓	✓	✓	✓	✓	△	✓
4	258	Myanmar Eain yar	✓	✓	✓	✓	✓	△	✓
5	092	Thar Gi Swe	✓	✓	✓	✓	✓	△	✓
6	215	Rathaedaung Next Generation	✓	✓	✓	✓	△	×	△
7	187	Yoma Link Co., Ltd	✓	✓	✓	✓	△	✓	✓
8	205	Aung Thukha Aye	✓	✓	✓	✓	✓	△	✓
9	301	Myat Ning Tun	✓	✓	✓	✓	✓	×	✓

Rank	Lot 38 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	036	Byar La Thukha Lot-31	✓	✓	✓	✓	✓	△	✓
2	170	Aung Swem Htet	✓	✓	✓	✓	×	×	×
3	327	King Chaung Wa	✓	✓	△	✓	✓	×	×
4	259	Myanmar Eain yar	✓	✓	✓	✓	✓	△	✓
5	224	Hlaing Myint Mo Tun	✓	✓	✓	✓	✓	✓	✓
6	338	Myint Yoe Ma	✓	✓	✓	✓	✓	△	✓
7	216	Rathaedaung Next Generation	✓	✓	✓	✓	×	×	△

Rank	Lot 39 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	328	king Chaung Wa	✓	✓	×	✓	✓	×	×
2	268	Paing Tun	✓	✓	✓	✓	✓	△	✓
3	217	Rathaedaung Next Generation	✓	✓	✓	✓	×	×	△

Lot 40 Rakhine			Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
Rank	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar consturction work
1	307	Bone Hein Htet	△	△	△	×	×	×	×
2	098	Max Trust	✓	✓	✓	✓	✓	✓	✓
3	329	Zee Kyun Thar	✓	✓	✓	✓	✓	△	✓
4	038	Wati Shwe Myae	✓	✓	✓	✓	✓	✓	✓
5	303	Dathuwadi Ngwe Tin Pyae	✓	✓	✓	✓	△	✓	△
6	228	Rakhida Man Dine	✓	✓	✓	✓	✓	△	△
7	320	Shwe Ooe Shwe Eain	✓	✓	✓	✓	✓	△	△
8	179	Shwe Sate International	✓	✓	△	×	✓	△	△
9	279	Rakhine Development	✓	✓	✓	✓	✓	✓	✓
10	093	Wai Tharli Star	✓	✓	✓	✓	✓	✓	✓
11	139	Shwe nan shin	△	✓	✓	✓	△	△	✓
12	265	Five Diamond	✓	✓	✓	✓	×	×	×
13	044	Su Htoo San Lot-22	✓	✓	✓	✓	✓	✓	✓

Lot 41 Rakhine			Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
Rank	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar consturction work
1	317	Rakha Thit sar	✓	×	✓	✓	✓	△	✓
2	296	Arr Rakha Myae	✓	✓	✓	✓	✓	✓	✓
3	099	Max Trust	✓	✓	✓	✓	✓	✓	✓
4	273	Zew	✓	✓	✓	✓	✓	✓	✓
5	094	Wai Tharli Star	✓	✓	✓	✓	✓	✓	✓
6	309	Kissapa Arr Man	✓	✓	✓	✓	✓	△	✓
7	053	A Nouk Yoe Ma Man Dine	✓	✓	✓	✓	✓	✓	✓
8	339	Min Bar Gyi	✓	✓	✓	✓	△	△	✓
9	188	Hein Thu Aung	✓	×	×	✓	×	×	×

Lot 42 Rakhine			Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
Rank	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar consturction work
1	146	Arr Rakha Myae	✓	✓	✓	✓	✓	✓	✓
2	210	Aye Chin Sit Than Lot-28	✓	✓	✓	✓	✓	△	✓
3	298	Kyaw Kyar Htun Tauk	✓	✓	✓	✓	✓	△	✓
4	079	Asia Myanmar Dragon	✓	✓	✓	✓	✓	✓	✓
5	325	Htet Aung Asia	×	×	×	✓	×	×	×

Lot 43 Rakhine			Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
Rank	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar consturction work
1	230	Kein Thar	✓	×	✓	✓	✓	△	✓
2	095	Sai Din Arr Man	✓	✓	✓	✓	✓	△	✓
3	250	Blue& Green	✓	✓	✓	✓	✓	×	✓
4	177	Khin Aye Myat Phyu	✓	✓	✓	✓	✓	✓	✓
5	088	Thiha Yazar Soe Lot-29(Lot-28)	✓	✓	✓	✓	✓	✓	✓
6	180	Golden State	✓	✓	△	×	✓	△	△
7	206	Tharapa	✓	✓	✓	✓	✓	✓	✓

Rank	Lot 44 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	293	Pyae Sone Kyaw	×	×	△	△	×	×	×
2	096	Sai Din Arr Man	✓	✓	✓	✓	✓	△	✓
3	178	Khin Aye Myat Phyu	✓	✓	✓	✓	✓	✓	✓
4	181	Golden State International	✓	✓	△	×	△	△	△
5	231	Kein Thar	✓	✓	✓	✓	✓	△	✓
6	251	Blue & Green	✓	✓	✓	✓	✓	×	✓
7	213	Nann Htike Thazin	✓	✓	△	△	△	×	×
8	227	Man Ayar Wadi	✓	✓	✓	✓	✓	△	✓
9	089	Thiha Yazar Soe Lot-29(Lot-28)	✓	✓	✓	✓	✓	✓	✓
10	020	Tharapa	✓	✓	✓	✓	✓	✓	✓

Rank	Lot 45 Rakhine		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	151	Shwe Kyun Thandar	✓	✓	✓	✓	✓	×	×
2	148	Myanma Swem Yee	✓	✓	✓	✓	✓	×	×
3	240	Man Aung	×	×	✓	✓	△	×	✓

Rank	Lot 46 Ayawady		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	010	Ayeyarta Gon Group	✓	✓	✓	✓	△	✓	✓
2	219	Soe Moe Yadana Lot-23	✓	✓	△	×	△	△	△
3	012	Malikha Ayar	✓	✓	✓	✓	✓	△	✓
4	143	Kyaw Winner Co., Ltd	×	×	✓	△	✓	×	×
5	280	Hail Stone	✓	✓	✓	✓	✓	×	✓
6	123	Myanmar Hlwin Moe	✓	✓	✓	✓	✓	△	✓
7	102	Grand Glory	×	△	✓	✓	✓	✓	✓
8	165	DTMS	×	✓	✓	×	×	×	×
9	047	Zaw Htet Paing	✓	✓	✓	✓	△	△	✓
10	121	Shwe Pa Doe	✓	✓	✓	✓	✓	△	✓
11	024	Nile Industries	✓	✓	✓	✓	✓	△	✓

Rank	Lot 47 Chin		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	267	Her Yee Mone	×	×	×	×	×	×	×
2	175	Royal Aung Hein Kyaw	✓	✓	✓	✓	✓	✓	✓
3	046	Kai Sea Taung Zalut	✓	✓	×	✓	×	△	✓
4	007	Kai Sea Green Hill	×	✓	△	×	×	×	✓

Rank	Lot 48 Bago(N), Magway, Mandalay		Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	152	Sky Wings	✓	✓	✓	✓	✓	✓	×
2	220	Thein Phyu Tun Lot-23,24	✓	✓	×	×	△	△	×
3	263	Silver Wall	△	✓	△	✓	✓	△	✓
4	051	Than Hein Kyaw	✓	✓	×	✓	△	✓	×
5	166	DTMS	×	✓	✓	×	×	×	×
6	048	Zaw Htet Paing	✓	✓	✓	✓	✓	△	✓
7	066	Khant & Family	✓	✓	✓	✓	×	△	✓
		Lot 49 Chin	Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5

Rank	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	242	Chin Hill Sun Lot-24,25	✓	✓	✓	✓	✓	✓	✓
2	167	Su too sanLot-22	✓	✓	✓	✓	✓	✓	✓
Lot 50 Chin			Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
Rank	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	334	Soe Moe Yadanar Lot-21,22,23,24	✓	✓	△	×	△	△	△
2	128	Ma naw ayar	✓	✓	✓	✓	✓	✓	✓
3	243	Chin Hill Sun Lot-24,25	✓	✓	✓	✓	✓	✓	✓
Lot 51 Chin			Form-A1	Form-A2	Form-B1	Form-B2	Form-B3	Form-B4	Form-B5
Rank	Sr.No	Tenderer Name	Muster Construction Schedule	Detail Construction Schedule	List of Engineer	Organization Chart	Tenderer's Equipment	Annual Tuenover and Finance Report	List of Work Experience for similar construction work
1	335	Thein Phyu Tun Lot-23,24	✓	✓	×	×	△	△	×
2	244	Chin Hill Sun Lot-24,25	✓	✓	✓	✓	✓	✓	✓

Appendix 8 Workshop

တည်ဆောက်ခြင်းဆိုင်ရာလုပ်ငန်း
ဆွေးနွေးပွဲ

JICA Project Team

29 July 2016

How do we maintain the facilities of the school ?



yec Yachlyo Engineering Co., Ltd.

Objective of this introducing

1. All facilities (classrooms, toilets, desk & chairs and other facilities) provided from the people of Japan and expected to be properly used so that it will last longer.
2. To make the school environment cleaner.
3. To make pupils healthier.
4. To make maintenance culture takes root in the community.
5. The Japanese people will be pleased because the facilities will last long

Building and Facilities Maintenance Control Activities

I. Duties of Local Task Force

Local Task Force (should be established) is:

- To purchase/ prepare cleaning tools and keep them properly. (brooms, brushes, dust clothes, buckets, dustbins, detergent, etc.)
- To teach pupils cleaning methods.
- To instruct pupils to clean classrooms, toilets and school premise every day.

- To instruct pupils to take good care of cleaning tools. (to be kept in the store)
- To include daily cleaning into the timetable and give pupils clear instructions.
- To organize monthly general cleaning.
- To make any minor repairs to all facilities.
- To teach pupils proper use and handling of all facilities.
- To report to the State/Region Task Force any Major Damages which is beyond local task force budget.

II. Building

A) Local Task Force to take good care of maintenance tools (keep inside store).

◆ Local Task Force to teach pupils the following items.



B) Local Task Force to maintain the facilities.

◆ **Local Task Force is expected to carry out any necessary repair or replacement work before the resumption of the next term. Instructions of repair works are described as following table.**

Name of part	Probable Damage	Repair Works for Damage
A) Roof	Small hole or crack in aluminum sheet Big hole or splitting in aluminum sheet	Fill it with putty silicon sealant or flash band Change the sheet
B) Concrete structure	foundations, floors and corridor get damage	Using mortar (mixture of sand, cement and water)
C) Wooden parts	Decay or remove Rust or affected by light corrosion	Spray anti-termites and replace Repair by using gloss paint
D) Steel parts	Rust or broken or affected by serious corrosion	Weld the affected parts and coat using gloss paint
E) Glasses	Broken	Replace with new glasses
F) Desks & Chairs	Decayed or broken	Replace timbers and paint them
G) Walls	Any part of brick on wall is chopped off or broken	Use cement and sand mortar to patch it and paint the affected part of the wall to match

Recommended Maintenance Plan

Name of Part	How to Maintenance
A) Wooden part	Spray anti-termites to wooden parts once in 5 years.
B) Steel parts	Paint and coast steel parts using gloss paint once in 5 years
C) Desks & Chairs	Spray desks and chairs using stain paint once in 5 years
D) Blackboards	Paint and coating blackboards using emulsion paint once every term

III. Control Activity Duties of Local Task Force

A) Duties of Local Task Force

Local Task Force is;

- To construct garbage dumping pits and treat garbage.
- To teach pupils cleaning methods.
- To instruct pupils to clean classrooms, toilets and school premise everyday.
- To instruct pupils to use garbage cans and pits always.
- To instruct pupils to wash their hands after using toilet, before eating meals and after cleaning facilities.
- To instruct pupils use different brooms for cleaning toilets and classrooms.
- To organize monthly general cleaning.

B) Cleaning Activities

a. Classrooms Cleaning

Pupils are to clean their classrooms every morning.

Wipe out dust from furniture (desks and chairs) using dust clothes.



Wipe out dust from doors and windows using dusting clothes.



Sweep the classrooms floor using small brooms.



Wipe out the black board using duster.

b. Cleaning of Toilets
Pupils to clean their toilets every day.

Keep water in the toilet room.

c) Sewage Treatment

- Local Task Force to maintain sanitary condition of the toilets pit once in 3 months, by spraying disinfectant to the toilets pit.

- Secure manhole covers (slab) using chain and lock or mortar to avoid an accident.
- Remove waste from toilets pit when it is filled to capacity.

D) Garbage Treatment

- Local Task Force to teach pupils how to dispose garbage into the garbage can.

- Place garbage cans (trash boxes or trash baskets or dust bins) in each classroom.

- Pupils to pick pease of paper and other dust in the class room and the school compound every day, 5 minutes before the close of school.

E) General Good Practice

- Place dustbins (or boxes, baskets) in each classroom and school premises.
- Always use dustbins and not to throw garbage on the floor or ground.
- Wash hands after using toilet, before eating meals and after cleaning activities.

- To wet
- To soap
- To wash palms
- To wash backs, lapping with palms
- To wash webs between fingers
- To wash fingers as well
- To wash thumbs
- To wash tips and nails
- To wash wrist as well
- To wash out with flowing water
- To wipe with towel

Fury of Natural Disasters !!



Typical Japanese Primary Schools



Programme Concept by the BBB

1. Resilient to future disasters in line with appropriate standards.

- Resilient buildings with safe and adequately sized staircases.
- Necessary elevation for schools in delta area.
- Improved WASH facilities.

2. Ensuring better leaning environment under on-going educational reform.

- Additional classrooms for KG in primary schools.
- Additional classrooms for post-primary schools to upgrade to middle schools.
- Teacher's room.
- Houses for head teacher, teachers and security where necessary.
- "Good Quality" classroom furniture such as Desk/Chairs, Black/Whiteboard, shelf for teaching leaning materials, etc.

What should we do ?

1. An accurate request for the tenderer. (by Tender Documents)
2. Properly to review/check the proposal of the bidders.
3. Should maintain a minimum of knowledge to review and evaluate for tenderer proposal.
4. If there is a doubt about the contents of the proposal, to clarify perform the bidders and interviews. In this case, the idea for the construction of the bidders, such as a general matter, it is effective as an opportunity to hear directly.

Children is a treasure for the future of Myanmar, It's also the expected human resources !!



Thank You Very Much !
To be continued afternoon session !!

Tender (Bid) Documents

CONTENTS

Volume-I		
Part I	Bid Invitation Requirements	
Chapter 1	Technical Schedule	1C-1
	A. General Information	1C-1-1
	B. Project Details	1C-1-2
	C. Bid Opening and Evaluation	1C-1-3
	D. Award of Contract	1C-1-4
Chapter 2	Bid Data Sheet	1C-2-1
Chapter 3	Evaluation Evaluation Criteria	1C-3-1
Chapter 4	Bid Forms	1C-4-1
	• Bid Forms to be included in the ENVELOPE	
	Form-A1 Label for "ENVELOPE" Documents	1C-4-1-1
	Form-A2 Bidder Information	1C-4-1-2
	Form-A3 Bid Security	1C-4-1-3
	Form-A4 Letter of Authority	1C-4-1-4
	Form-A5 General Execution Plan, Safety Work and Method of Work	1C-4-1-5
	Form-A6 General Execution Plan, Quality Control	1C-4-1-6
	Form-A7 General Execution Plan, Bid Environmental Consideration	1C-4-1-7
	Form-A8 Manpower Schedule	1C-4-1-8
	Form-A9 List of Key Staff	1C-4-1-9
	Form-A10 Form of Checklist View (CV)	1C-4-1-10
	Form-A11 Bidder's Equipment	1C-4-1-11
	• Bid Forms to be included in the Bid Envelope	
	Form-B1 Label for "ENVELOPE" Documents	1C-4-2-1
	Form-B2 Bid Price	1C-4-2-2
	Form-B3 Cost Estimate Calculation Sheet (Summary)	1C-4-2-3
	Form-B4 Cost Estimate Calculation Sheet (Detail Breakdown)	1C-4-2-4
Volume-II		
Part II	Contract Conditions	
Chapter 1	General Conditions	1C-5-1
Chapter 2	Technical Specifications	1C-5-2
Chapter 3	Conditions of Contract	1C-5-3
Chapter 4	Contract Form	1C-5-4
Chapter 5	Contract Agreement	1C-5-5
Volume-III		
Drawings		

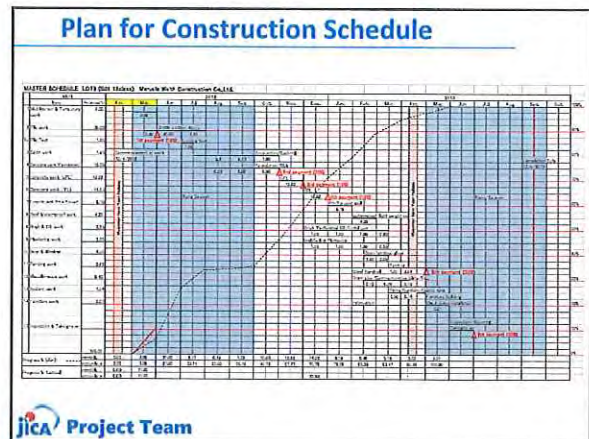
Chapter 4. Bid Forms

• Bid Forms to be included in the ENVELOPE

The Bid Forms to be included in the "ENVELOPE" marked below shall be enclosed in General Envelope

Form-A1	Label for "ENVELOPE" Documents
Form-A2	Bidder Information
Form-A3	Bid Security
Form-A4	Letter of Authority
Form-A5	General Execution Plan, Safety Work and Method of Work
Form-A6	General Execution Plan, Quality Control
Form-A7	General Execution Plan, Bid Environmental Consideration
Form-A8	Manpower Schedule
Form-A9	List of Key Staff
Form-A10	Form of Checklist View (CV)
Form-A11	Bidder's Equipment

JICA Project Team



Tender Evaluation

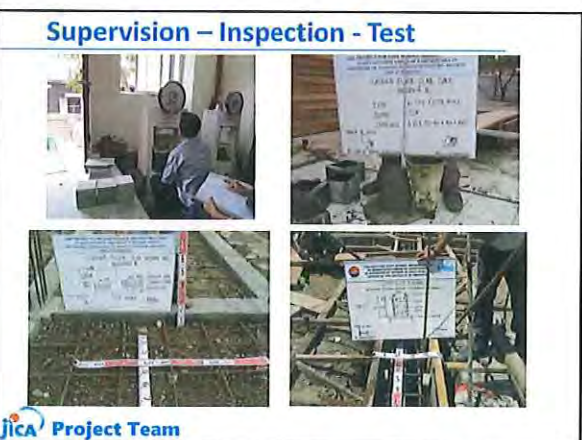
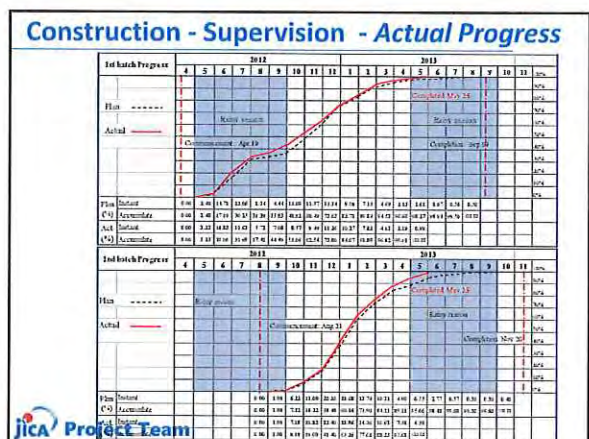
Eligible Criteria of Bidders

- Construction License issued by a competent national entity under the law of Myanmar
- Experience of construction for more than XX years.
- The total of the annual turnover of construction work of the last xxx years.
- XX experiences / Projects of similar nature to the Project
- Assign qualified personnel: One (1) Project manager, XX Site manager and XX Foreman assigned at each site all the time.
- The minimum total amount of liquid assets, credit facilities, and/or net of other contractual commitments of the Bidder shall be equivalent to USD XXX.

Criteria of Technical Evaluation

No.	Technical Evaluation Aspects	Form	Points
1	Construction Plan	A5-1 to A5-4	20
2	Construction Schedule	A6	30
3	Key Staff with CV	A7-1 and A7-2	25
4	Equipment	A8	25
	Total		100

JICA Project Team



Construction - Supervision - Piling

JICA Project Team June - July 2012 Loading Test of Pile

Construction - Supervision - Column, Floor

JICA Project Team September 2012

Construction - Supervision - Piling - Foundation

JICA Project Team July - August 2012 Loading test of pile Pile head Pile head treatment

Construction - Supervision - Column, Floor

JICA Project Team October 2012 First Floor

Construction - Supervision - Foundation

JICA Project Team August - September 2012

Construction - Supervision - Column, Floor

JICA Project Team November 2012 Foundation - Later starting site Compaction of ground floor base - Later starting site Roof Slab First Floor

Construction - Supervision – Column, Floor, Wall



Manufacturing concrete blocks



Ground Floor Column



JICA Project Team December 2012

Construction - Supervision –Wall, Finishing



Repairing of blocks



Roof covering mortar



JICA Project Team March 2013

Construction - Supervision –Wall, Finishing



Toilet pit



JICA Project Team January 2013

Construction - Supervision – Finishing



JICA Project Team April 2013

Construction - Supervision –Wall, Finishing



Curing of Ground Floor



Frame of doors and windows



Waterproofing test

JICA Project Team February 2013

Construction - Supervision – Completion



Refuge at time of cyclone

JICA Project Team May 2013


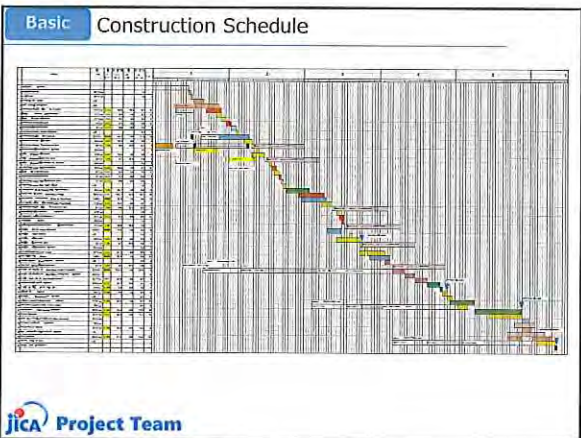
တည်ဆောက်ရေးဆဲလုပ်ငန်း
 ဝေးဆေးရေးခြင်းပြု
 JICA Project Team



ယေနဲ့ဆေးရေးခြင်းမညီအေ

ဟနကင်းအရာ


- အေပျခခံအုတုမရွှံ့ခင်း(Spread Foundation)
 - Step1. ဝေပျမအေအထားကိုစမ်းသပ်မှု
 - Step2. Foundationပုံစံရေးဆွဲမှု
 - Step3. Footing ရေယာသတ္တု
 - Step4. ဥပမာ လုပ်ငန်းဆောင်ရွက်ပုံ (Working)
- ကြွေရေအေးခြင်း
 - Step1. ဝေရေနှုတ်လုပ်ပေးအေးခြင်း(Water and Cement Ratio)
 - Step2. ကြွေရေညှိညှိအေးအေး(Concrete Curing)

1. 直接基礎



၁. အေပျခခံအုတုမရွှံ့ခင်း



Step1 ဝေပျမအေအထားစမ်းသပ်မှုခြင်း | ဝေပျမအေးအေး

<p>၁. ဝေပျမအေအထားစမ်းသပ်မှုခြင်း</p> 	<p>၂. ဝေပျမအေးအေး</p> 
<p>၃. ဝေပျမအေးအေး</p> 	<p>၄. ဝေပျမအေးအေး</p> 



Step2 施工 | コンクリート養生(Concrete Curing)

標準養生 (standard curing)



- ・供試体の養生
- ・水中、又は、湿度が100%近くに保たれた空気中で、その温度が常に21±3℃に保たれる

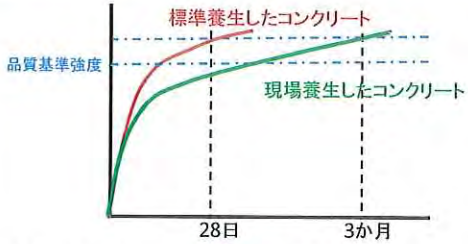
現場養生 (curing on site)



- ・工事現場での養生
- ・湿度や温度管理を一定に保つことが難しい

JICA Project Team

Step2 施工 | コンクリート養生(Concrete Curing)



品質基準強度

標準養生したコンクリート

現場養生したコンクリート

28日 3か月

★コンクリートの強度は、**材齢28日**で表す。
 ※コンクリートの圧縮強度は、28日（4週間）程度まで急上昇するため
 ★現場養生では、標準養生に比べ**強度が劣る**傾向にある。

JICA Project Team

3. 行程管理

JICA Project Team

Step1

項目	内容	実施時期	実施場所	実施者
1. 現場調査	1.1 現場踏査	2017年3月10日	現場	調査員
	1.2 現場踏査結果の整理	2017年3月15日	現場	調査員
2. 設計	2.1 設計書の作成	2017年3月20日	設計室	設計士
	2.2 設計書の確認	2017年3月25日	設計室	設計士
3. 施工	3.1 工事の発注	2017年4月5日	現場	施工員
	3.2 工事の完了	2017年4月20日	現場	施工員

JICA Project Team

項目	内容	実施時期	実施場所	実施者
1. 現場調査	1.1 現場踏査	2017年3月10日	現場	調査員
	1.2 現場踏査結果の整理	2017年3月15日	現場	調査員
2. 設計	2.1 設計書の作成	2017年3月20日	設計室	設計士
	2.2 設計書の確認	2017年3月25日	設計室	設計士
3. 施工	3.1 工事の発注	2017年4月5日	現場	施工員
	3.2 工事の完了	2017年4月20日	現場	施工員

JICA Project Team

項目	内容	実施時期	実施場所	実施者
1. 現場調査	1.1 現場踏査	2017年3月10日	現場	調査員
	1.2 現場踏査結果の整理	2017年3月15日	現場	調査員
2. 設計	2.1 設計書の作成	2017年3月20日	設計室	設計士
	2.2 設計書の確認	2017年3月25日	設計室	設計士
3. 施工	3.1 工事の発注	2017年4月5日	現場	施工員
	3.2 工事の完了	2017年4月20日	現場	施工員

JICA Project Team

**THE PROGRAMME FOR THE PROJECT FOR THE RECONSTRUCTION FLOOD
AFFECTED SCHOOLS
WORKSHOP ATTENDANCE**

DATE: 29-7-2016

Sr.No	NAME	Organization	Phone
1.	Daw Shwe Mya Kyaw	JICA Myanmar Office	09-5126537
2.	Mr. Bhakta Gurung	UNICEFF	09-253346584
3.	U Zin Min Than	SDC/ Swiss Embassy	09-791323800
4.	Daw Phyu Phyu Myint	Consultant of SDC	09-421075276
5.	Ms. Yumiko YAMAKAWA	JICA Myanmar Office	
6.	U Phyo Wai Min	JICS	09-421118931
7.	Mr. Hiromitsu MUTA	MOE	09-254298079
8.	Mr. Kenji OHARA	YEC	09-779837028
9.	Mr. Naoyuki MINAMI	YEC	09-779837041
10.	Mr. Tetsuo Yatsu	YEC	09-428151360
11.	Ma Let Yin Htun	YEC	09-250367013
12.	Ma Poh Poh Kyi	YEC	09-421110476

Sr.No	NAME	Organization	Phone
1.	Daw Kyain Lan Nyaung	Township Education Officer (Tonzang, Chin State)	09-455115760
2.	Daw Kon Par Lan	Deputy Director (Education Office) (Hakha, Chin State)	09-262440693
3.	Daw Khaing Mar Lar	Township Education Officer (Min Bu, Magway Region)	09-400425606
4.	Daw Khin Si	District Education Officer (Sittwe, Rakhine State)	09-49662337
5.	Daw May Thet Nwe	Township Education Officer (Lat Pan Tan, Bago West Region)	09-428150030
6.	Daw Myint Myint Thein	Deputy Director (Education Finance Department) (Ayeyawady Region)	09-422462365

7.	Daw Khin Win	Deputy Director (Ma U Pin, Ayeyawady Region)	09-793380467
8.	Daw Nyo Nyo San	Deputy Director (Ayeyawady Region)	09-422561665
9.	Daw Win Win Tin	District Education Officer (Ayeyawady Region)	09-440786964
10.	U Myint Thu	Township Education Officer (Ayeyawady Region)	09-8587785
11.	U Toe Naing	Chief Officer (Ayeyawady Region)	09-451234456
12.	Daw Thein Yi	Township Education Officer (Ponnagyan, Rakhine State)	09-421727588
13.	Daw Ma Kyi	Headmaster of Middle School	-
14.	U Ye Min Htun	Headmaster of Primary School (Yangon Region)	09-799527091
15.	Daw Khan Mtwe	Township Education Officer (Chin State)	09-403749106
16.	Daw Shwe Ngin	Headmaster of Primary School (Chin State)	09-400311333
17.	Daw Ma Hla Shwe	Township Education Officer (Min Pyar, Rakhine Township)	09-250997215
18.	U Thein Hlaing	Deputy Township Education Officer (Mandalay Region)	09-402557103
19.	U Aye Ko	Deputy Township Education Officer (Magway Region)	09-457585369
20.	U Khin Zaw	Staff Officer (Bago West Region)	09-793410912
21.	Daw May Thet Nwe	Township Education Officer (Bago West Region)	09-791803275
22.	Daw San San Htay	Chief Officer (Bago West Region)	09-791803275
23.	Daw Ma Than Yee	Township Education Officer (Yathaetaung, Rakhine Region)	09-421769222
24.	U Than Zin	Deputy Director (Mandalay Region)	09-2056787
25.	U Than Zaw Aung	Headmaster of Primary School (Yangon Region)	09-448050025
26.	Daw Thouk Lew	Headmaster of Primary School (Htan Lang, Chin State)	09-258060603
27.	U Aung Kyaing	Deputy Director (Finance Department, Chin State)	09-258325949
28.	U Nyunt Saung	Deputy Director (Finance Department, Magway State)	09-258593677

29.	Daw Tin Tin Myint	Education Officer (Rakhine State)	09-454034165
30.	U Sein Phay	Headmaster of Middle School (Chin State)	09-33237543
31.	U Shwe Lain	Deputy Director (Phalam, Chin State)	09-33348918
32.	U Myint Oo	Deputy Director (Nyaung Oo, Mandalay Region)	09-33006197
33.	U Htun Aung Kyaw	Deputy Township Education Officer (Nyaung Oo, Mandalay Region)	09-420706217
34.	U Chuan El	Teacher (BEHS-3)(Chin State)	09-33348146
35.	U Kwar Naung	Headmaster of Primary School (Chin State)	09-32623938
36.	U Htar Kone	Headmaster of Primary School (Chin State)	-
37.	U Htet Naung	Headmaster of Primary School (Chin State)	09-259587253
38.	U Nyein Ko Ko	Headmaster of Primary School (Chin State)	09-259045313
39.	U Mwahr Kone	Headmaster of Primary School (Chin State)	09-47177218
40.	U Ngo Stun	Township Education Officer (Chin State)	09-452911096
41.	U Myint Aung	Deputy Township Education Officer (Ayeyawady Region)	09-401544682
42.	U Ohn Khin	Deputy Township Education Officer (Ayeyawady Region)	09-422492419
43.	U Tin Thein	District Education Officer (Kyauk Phyu, Rakhine State)	09-263010755
44.	U Tin Ko	Deputy Township Education Officer (Man Aung, Rakhine State)	09-49580274
45.	U San Kyaw	District Education Officer (Rakhine State)	09-49641122
46.	U Aung Soe	Deputy Township Education Officer (Hinthada, Ayeyawady Region)	09-25022272
47.	U Thet Swe	Deputy Township Education Officer (Zalon, Ayeyawady Region)	09-49766120
48.	U Thein Ko	Deputy Township Officer, General Administration Office (Thar Paung, Ayeyawady Region)	09-428130862
49.	U Aung Win	Assistant Director (District Education Office) (Minn Tat, Ayeyawady Region)	09-264506885

50.	U Htun Win	Deputy Director (State Education Office) (Rakhine Region)	09-421714884
51.	U Than Htun	Township Education Officer (Pauk Taw, Rakhine State)	09-421713914
52.	U Win Hlaing	Deputy Township Education Officer (Bu Thu Taung, Rakhine State)	09-49678309
53.	U Oo Than Maung	Staff Officer (Maung Taw, Rakhine State)	09-250610743
54.	U Shwe Ni Maung	Headmaster of Middle School (Chin State)	09-33145322
55.	U Aung Khin	Headmaster of Primary School (Chin State)	09-49674515
56.	U Laing Kone	Teacher (BEMS) (Chin State)	09-49660202
57.	U Lain Ayun Har	Headmaster of Middle School (Chin State)	09-265940191
58.	U San Bal	Headmaster of Primary School (Chin State)	09-265941319
59.	U Han Winn Soe	Deputy Township Officer (Nga Pu Taw, Ayeyawady Region)	09-420720333
60.	U San Thein	Staff Officer (Bago West Region)	09-43006429
61.	U Win Zaw Oo	Deputy Staff Officer, General Administration State Office (Hinthata, Ayeyawady Region)	09-451230917
62.	U Aung Myat Phyo	Deputy Staff Officer, General Administration State Office (Inngapu, Ayeyawady Region)	09-422524334
63.	U Aung Than Oo	Deputy Director (Department of Basic Education)	-

Appendix 9

Sample of Tender Form for Evaluation of 3rd Tender

Appendix 9 GUIDELINE FOR CONSTRUCTION SUPERVISION LIST OF CHECK ITEMS AND METHOD OF CHECKING

WORK ITEM			CHECK ITEM BY INSPECTOR	
Work Item	Description		Check Item	Method of Checking
1. General	1.1 Material		Standard of production Quality of product Efficiency Formaldehyde emission rate etc.	- Visual examination - Material test before delivery -Acceptance test before unloading -Quality control record In-house inspection sheet Statement of delivery Test record or certificate 1) Confirmation of Standard product 2) Confirmation of quality certificate 3) Confirmation material test report
	1.2 Execution		Execute work by approved construction method	
2. Temporary Work	2.1 Execution	1) Site condition & Setting out	Site condition Location of boundary mark(stone) Difference in elevation Building position (site layout)	- Visual examination -Attendance to site survey -Quality control record In-house inspection sheet Site survey record
		2) Bench mark	Existence Location Level (height from design ground level)	- Visual examination -Attendance to site survey -Quality control record In-house inspection sheet Site survey record Record photo for present condition
3. Earth Work	3.1 Material	1) Backfilling material & filling material	Kind of backfilling (filling)soil	- Visual examination -Quality control record In-house inspection sheet Statement of delivery
	3.2 Execution	1) Excavation	Level of subgrade and condition Bearing layer condition	- Visual examination -Attendance check of compaction -Quality control record In-house inspection sheet Execution report Record photo of construction
		2) Backfilling & Filling	Method of compaction, Thickness of each compacted layer Extra fill for settlement	
3. Foundation Work	4.1 Material	1) Hard core, Sand & Lean concrete	Hard core (Standard, kind, grain size) Sand (kind, grain size) Compression strength and slump of (1:3:6) concrete	- Visual examination -Attendance check of compaction -Quality control record In-house inspection sheet

WORK ITEM		CHECK ITEM BY INSPECTOR		
Work Item	Description		Check Item	Method of Checking
				Statement of delivery Record photo of construction
	4.2 Execution	1) Hard core, Sand fill & Lean concrete	Hard core and sand fill laying and compaction Type of compactor, Thickness of each layer, Number of compaction Crack free Level and thickness Flatness	-Visual examination -Attendance check for filling level & compaction -Quality control record In-house inspection sheet Statement of delivery Record photo of construction
			Lean concrete Level and thickness Flatness	-Attendance check for level and flatness -Quality control record In-house inspection sheet Execution report Record photo of construction
4. Reinforcing Bar Work	5.1 Material		Reinforcing bar (product code, kind, diameter, material certificate or tension test) Spacer block or chair (material, size)	- Visual examination -Quality control record In-house inspection sheet Statement of delivery Tension test result
	5.2 Execution	1) Fabrication & placing	-Fabrication (Kind, diameter, length, bending) -Shape of stirrups(Consider main bar) -Placing (binding, bar position, numbers, concrete cover, space between adjacent bars, spacing of stirrup, alignment) -Splice joint(splice position, rap length) -Anchorage(position, anchoring length, hook) -Reinforcement for void and opening) -Spacer block or chair(figure, position, spacing) -Length of dowel bar	- Visual examination -Attendance check of re-bar placing -Quality control record In-house inspection sheet Execution report Record photo of construction
6. Concrete Work	6.1 Material		-Cement (Standard, kind of cement) -Aggregate(Standard, kind, water absorption rate, alkali silica reaction, chloride content, size of coarse aggregate) -Mixing water	- Visual examination -Attendance of material laboratory test (Sieve test, specific gravity etc.) -Quality control record In-house inspection sheet

WORK ITEM		CHECK ITEM BY INSPECTOR	
Work Item	Description	Check Item	Method of Checking
		-Concrete admixture(AE agent, Retarder) -Form material(wood, plywood ,metal)	Laboratory test report
6.2 Execution	1) Formwork	Shop drawing for structure Floor marking. Design of forms, alignment Construction joint(location) Embedded metal (Anchor bolt etc.)	- Visual examination -Attendance check prior to concrete pouring -Quality control record In-house inspection sheet Execution report Record photo of construction
	2) Concrete pouring	Concrete mixing Approved mix design Approved water content Mixing time	- Visual examination -Attendance of trial mixing and compression test -Quality control record In-house inspection sheet Laboratory test report Statement of delivery
		Concrete pouring Cleaning of form, wetting of form surface, Height of discharge, sequence of pouring, avoid cold joint Vibrations Construction joint	- Visual examination -Quality control record In-house inspection sheet Execution report Record photo of construction
		Curing Initial curing,(keep moisture by water spraying under cold weather and hot weather	
		After concrete pouring Period of removal of forms and shores Dimension of element Cracking, honeycomb, cold joint (proper repairing)	- Visual examination - Dimensional measurement of each element -Quality control record In-house inspection sheet Execution report Record photo of construction
6.3 Test	1) Fresh concrete	Type of concrete, slump, air content, chloride content, concrete temperature, test specimen	-Attendance of field test -Attendance of laboratory test
	2) Compression test	Compression strength Weight	-Quality control record Test record

WORK ITEM		CHECK ITEM BY INSPECTOR		
Work Item	Description	Check Item	Method of Checking	
		Concrete age(7days, 28days)	Record photo of test	
7. Steel Structure Work	7.1 Material	Steel member(Standard, kind, dimension, certificate) Bolt & nut, anchor bolt(Standard, kind, size) Welding rod(Kind, proper stock)	- Visual examination -Quality control record In-house inspection sheet Statement of delivery Certificate	
	7.2 Execution	1) Qualification	License of welder License of nondestructive test engineer	-Quality control record Copy of license
		2) Fabrication	workshop (capacity, facility) Shop drawings/ full scale drawing on the floor Product Cutting dimension, Position and diameter of bolt hole drilling	- Visual examination -Attendance to dimensional measurement of each element -Quality control record In-house inspection sheet Daily work report
		3)Erection	Anchor bolt setting(position, anchorage length, grout thickness) Accuracy of frame alignment	- Visual examination - Attendance to alignment check -Quality control record In-house inspection sheet Execution report Record photo of construction
		4) anti-corrosive paint	Non paint portion Touch up paint to damaged portion	- Visual examination -Quality control record In-house inspection sheet Execution report Record photo of construction
7.3 Test	1) Welding joint	Visual inspection(Undercutting, pit, lock for overlap, cracks, crater, bead shape, slag, fillet leg size,) Inside fault(blowhole, poor penetration, cracks, slag)	- Visual examination -Attendance to welding quality test -Quality control record In-house inspection sheet Test report Record photo of construction	
8. Brick Masonry Work	8.1 Material	Brick (standard, kind, compression strength, size) Mortar(1:3)	- Visual examination -Quality control record In-house inspection sheet Statement of delivery Record photo of construction	
	8.2 Execution	Marking and guide post Dowel bar Lintel (Size, re-bar, concrete)		
9. Carpentry Work	9.1 Material	Timber(standard, kind of wood, size, water content) Joining and fixing metal(shape, size ,rust proof)	- Visual examination -Attendance to water content test	

WORK ITEM			CHECK ITEM BY INSPECTOR	
Work Item	Description		Check Item	Method of Checking
				-Quality control record In-house inspection sheet Statement of delivery Record photo of construction
	9.2 Execution		Finishing of surface Anti-septic and termite proofing(application quantity)	- Visual examination -Attendance to water content test -Quality control record In-house inspection sheet Record photo of construction
10. Roofing Work	10.1 Material	1) 4-angle Color Sheet Roofing Ridge cover	Standard, kind of sheet, dimension, thickness Fixing screw and washer	- Visual examination -Quality control record In-house inspection sheet Statement of delivery
		2) Fascia (eaves)board	Timber(standard, kind of wood, size, water content Joining and fixing metal(shape, size ,rust proof)	- Visual examination -Attendance to water content test -Quality control record In-house inspection sheet Statement of delivery
	10.2 Execution	1) 4-angle Color Sheet Roofing Ridge cover	Lapping of roofing sheet Spacing of fixing screw	- Visual examination -Quality control record In-house inspection sheet Record photo of construction
11. Metal Work	11.1 Material	1) LGS ceiling suspension system	Standard, kind, shape, size	- Visual examination -Quality control record In-house inspection sheet Statement of delivery
	11.2 Execution	1) LGS ceiling suspension system	Ceiling height, alignment Reinforcement around opening Spacing of suspension wire(bolt)	- Visual examination -Quality control record In-house inspection sheet Record photo of construction
12. Plaster Work	12.1 Material		Mix proportion of cement mortar (1:3)	- Visual examination -Quality control record In-house inspection sheet
12. Plaster Work (Cont'd)	12.2 Execution	1) Wall plaster	Backing preparation (washing, surface roughness) Finishing (Flatness, thickness)	-Visual examination -Quality control record In-house inspection sheet Record photo of construction
		2)Floor screed	Backing preparation (washing, surface roughness) Finishing (Flatness, thickness)	

WORK ITEM			CHECK ITEM BY INSPECTOR	
Work Item	Description		Check Item	Method of Checking
13. Door and Window Work	13.1 Material		Wood(wood kind, water content) Glass(standard, type, thickness) Hardware(standard, type, durability)	- Visual examination -Quality control record In-house inspection sheet Statement of delivery
	13.2 Execution		Product Function, shape Surface finishing condition, flatness Assembling, door operating, Installation Anchor to wall Grouting around door jamb	- Visual examination -Quality control record In-house inspection sheet Execution report Record photo of construction
14. Painting Work	14.1 Material		Standard Kind of paint Color	- Visual examination -Quality control record In-house inspection sheet Statement of delivery
	14.2 Execution		Surface preparation (Water content, dirt, flatness) Kind of paint, number of coats Workmanship(tone, even color)	- Visual examination -Quality control record In-house inspection sheet Execution report Record photo of construction
15. Finishing Work	15.1 Material	1) False ceiling	Standard Kind of material(Non asbestos containing) Thickness	- Visual examination -Quality control record In-house inspection sheet Statement of delivery
	15.2 Execution	1) False ceiling	Alignment Flatness	- Visual examination -Quality control record In-house inspection sheet Execution report Record photo of construction

Appendix 10

Inspection sheet for school building



INSPECTION SHEET for SCHOOL BUILDING

May 2017

Yachiyo Engineering Co., Ltd

INSPECTION SHEET for SCHOOL BUILDING (1)

Up to First Payment

No.	Work Item (Work Sequence)	Check Item	Criteria	Judge		Remarks
				Ok	NG	
1-1	Confirmation of planned construction site	Select safety area from disaster	Check past disaster record			
1-2	Confirmation of bearing capacity of soil	Execute penetration test or test digging	Enough capacity to support building load			
1-3	Levelling and clearing of construction site	Building has been constructed on landfill site	Footings shall be on undisturbed ground			
1-4	Setting out/Staking out	Check batter board level (ground floor level)	Ground floor level as per drawing (3')			
1-5	Excavation for footings	Check excavated level and subgrade soil condition	As per drwg. Level measurement			
1-6	9"thk. Hard core laying for footings	Quality of filling material	Well graded granular subbase material			
		Compaction of hardcore	Well compacted by proper equipment			
1-7	3"thk. Lean concrete for footings	Top level of lean concrete	As per drwg. Level measurement			
1-8	Formwork for footings	Dimension, position of footing form	As per drwg. Size measurement			
		Striking period of footing form	Min. Period before striking 24h \leq			
1-9	Rebar placing for footings and columns	Diameter and number of footing rebar	16mm dia. Number as per drwg			
		Concrete coverage of footing rebar	Concrete cover 3" \leq			
1-10	Concrete(3,000psi) pouring for footings	Mix proportion and mixing	As per approved mix proportion			
		Concrete pouring and vibration	Avoid to segregate. Well vibrated			
		Concrete curing after concreting	Moist condition for at least 7 days			
1-11	Rebar placing for columns	Diameter of rebar, end hook and tie spacing	8mm dia, 135°hook, L=2" \leq , tie 6" c/c,			
		Concrete coverage	Conc coverage 1½" \leq			
1-12	Formwork for columns up to plinth	Dimension, plumb of column form	Size as per drwg. Plumb check			
		Striking period of column form	Min. Period before striking 24h \leq			
1-13	Concrete(3,000psi) pouring for columns up to plinth	Mix proportion and mixing	As per approved mix proportion			
		Concrete pouring and vibration	Avoid to segregate. Well vibrated			
		Concrete curing after concreting	Moist condition for at least 7 days			
1-14	Excavation for retaining walls	Check excavated level and subgrade soil condition	As per drwg. Level measurement			
1-15	3"thk. Hard core laying for retaining walls	Quality of filling material	Well graded granular subbase material			
		Compaction of hardcore	Well compacted by proper equipment			
1-16	3"thk. Lean concrete for retaining walls	Top level of lean concrete	As per drwg. Level measurement			
1-17	Stepped brick retaining walls laying	Brick quality, mortar mix proportion	Brick isn't soft and shaky. Cement:Sand=1:3			
		Lay brick properly	All joint shall be filled by mortar			
1-18	Back filling with compaction	Quality of filling material	No use unsuitable material (clay etc.)			
		Compaction method	Compact every 1 foot layer by compactor			

No.	Work Item (Work Sequence)	Check Item	Criteria	Judge		Remarks
				Ok	NG	
1-19	Rebar placing for plinth beams	Diameter, number and stirrup spacing	As per drwg.			
		Anchorage and lap splice length	As per drwg. Splice $26.5" \leq$			
		Concrete coverage	Concrete cover $1\frac{1}{2}" \leq$			
1-20	Formwork for plinth beams	Dimension, alignment	As per drwg. Check alignment by string			
		Striking period of plinth beam form	Min. Period before striking $24h \leq$			
1-21	Concrete(3,000psi) pouring for plinth beams	Mix proportion and mixing	As per approved mix proportion			
		Concrete pouring and vibration	Avoid to segregate. Well vibrated			
		Concrete curing after concreting	Moist condition for at least 7 days			
Inspection for 1st payment						
	- Progress check	Activities up to No.1-21 have been completed.				
	- Concrete columns and plinth beams	Dimensional accuracy of structural member	as per drawing S-2			
		Plinth beam top level	as per drawing S-1,2			
		Free from wide cracking on the concrete surface				
		Free from honeycomb on the concrete surface				
	- Brick retaining wall	Free from hole on the brick joint				

Photos for Reference up to First Payment



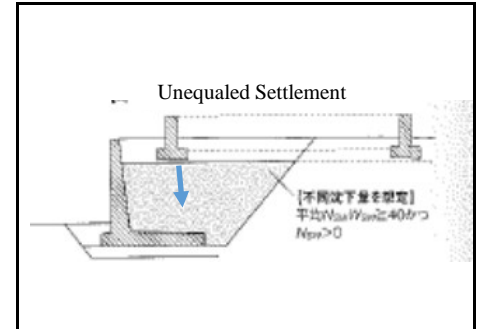
1-1 Affected school by landslide disaster



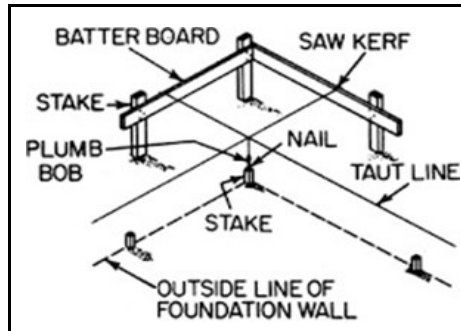
1-2a Standard Penetration Test



1-2b Cone Penetration Test



1-3 Foundation on the filling ground



1-4 Staking out



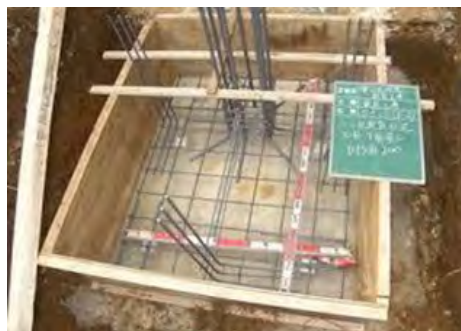
1-5 Check excavated level



1-6 Compaction of hardcore by rammer



1-7 Lean concrete pouring



1-8,9 Formwork and rebar placing for footing



1-10a Fresh concrete test

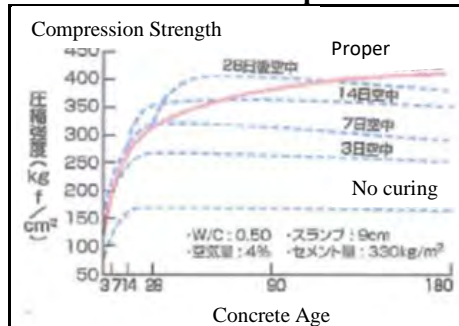


1-10b Concrete compression test



1-10c Concrete curing by plastic sheet

Photos for Reference up to First Payment



1-10d Effect of concrete curing

質量証明書
MILL TEST CERTIFICATE

Item	Specification	Test Results
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

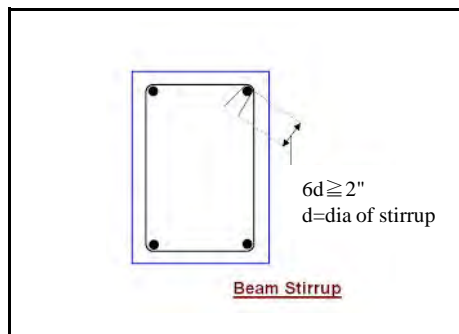
1-11 Mill Certificate for reinforcing bar



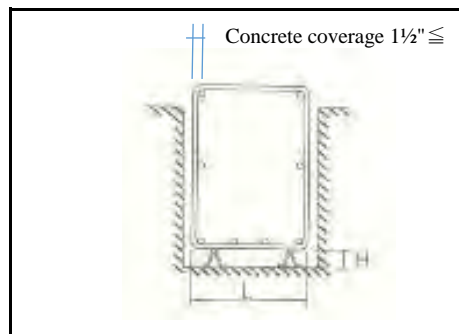
1-17 All joint of brick shall be filled mortar



1-18 Compaction during backfilling



1-19a Stirrup of plinth beam



1-19b Concrete coverage of re-bar



1-20 Formwork for plinth beam



1-21 Concrete pouring for plinth beam has been completed

INSPECTION SHEET for SCHOOL BUILDING (2)

Up to Second Payment

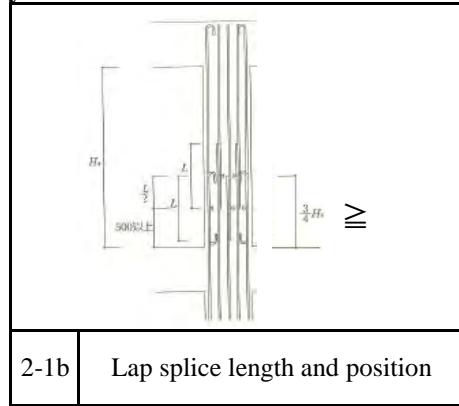
No.	Work Item (Work Sequence)	Check Item	Criteria	Judge		Remarks
				Ok	NG	
2-1	Rebar placing for G/F columns	Lap splice length and hook of main bar	16mm dia, splice $26.5" \leq$, 180° hook			
		Diameter of rebar, end hook and tie spacing	8mm dia, 135° hook, L=2" \leq , tie 6" c/c,			
		Tie spacing, concrete coverage and top hook	Tie 6" c/c, Cover $1\frac{1}{2}" \leq$, 180° hook			
2-2	Formwork for G/F columns	Dimension, plumb of column form	Size as per drwg. Plumb check			
		Striking period of column form	Min. Period before striking 2days \leq			
2-3	Concrete(3,000psi) pouring for G/FL columns	Mix proportion	As per approved mix proportion			
		Concrete pouring and vibration	Avoid to segregate. Well vibrated			
		Concrete curing after concreting	Moist condition for at least 7 days			
2-4	Formwork for roof beams	Soffit level, alignment	As per drwg.			
		Minimum period before striking props	21 days or shore until achieve strength			
2-5	Rebar placing for roof beams	Diameter, number and stirrup spacing	As per drwg. 8mm dia, 135° hook			
		Anchorage and lap splice length	As per drwg. Splice $26.5" \leq$			
		Concrete coverage	Concrete cover $1\frac{1}{2}" \leq$			
2-6	Concrete(3,000psi) pouring for roof beams	Mix proportion and mixing	As per approved mix proportion			
		Cleaning form and water spreading before pouring	No debris and wet on the form			
		Concrete pouring and vibration	Avoid to segregate. Well vibrated			
		Concrete curing after concreting	Moist condition for at least 7 days			
2-7	Steel trusses and purlins erection	Size of steel member(section)	Steel member as per drwg			
		Welding joint of steel truss	No defect (Crack, under cut etc.)			
		Alignment of roof trusses and purlins	Straight and equal level			
		Fixing to anchor plate on the roof beam	Fixed firmly by bolt/nut or welding			
		Rust proof paint	All joint portion shall be touch-up			
2-8	0.42mm thk, 4 angle color sheet roofing	Proper roofing material	Check thickness by caliper. 0.42mm			
		Proper sheet lapping, proper fixing	Fixed firmly by roof nail, no leakage			
		Ridge cover and hip cover	Fixed firmly by roof nail, no leakage			
2-9	"8x1" Fascia board with 1"x1"Hollow frame	Quality of fascia board	Smooth surface, no cracking			
		Board fixing	Fixed firmly, alignment and no gap			

No.	Work Item (Work Sequence)	Check Item	Criteria	Judge		Remarks
				Ok	NG	
Inspection for 2nd payment						
	- Progress check	Activities up to No.2-9 have been completed.				
	- Concrete columns and roof beams	Dimensional accuracy of structural member	as per drawing S2,S4			
		Free from wide cracking on the concrete surface				
		Free from honeycomb on the concrete surface				
	- Steel roof trusses (Rafter)	Specified size steel rafter	4"x2" MS channel thick 4.5mm \leq t			
		Specified size steel strut	2"x2" MS angle thickness 4mm \leq t			
		Rafter & post strut joint	as per drawing S5 joint detail			
	- Steel purlin	Specified size steel rafter	3"x2" GI-C-channel			
		Installation of purlin	Alignment and equal spacing			
	- Roofing	Specified thickness sheet	0.42mm \leq t			
		Installation of roofing	Free from gap or hole			

Photos for Reference up to Second Payment



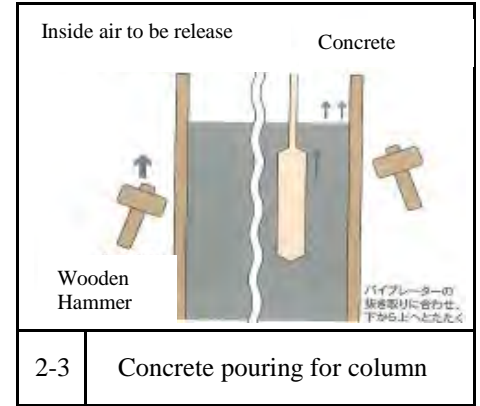
2-1a Hook of column main bar



2-1b Lap splice length and position



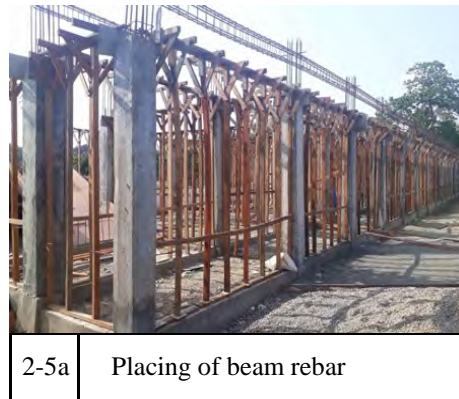
2-2 Formwork for column



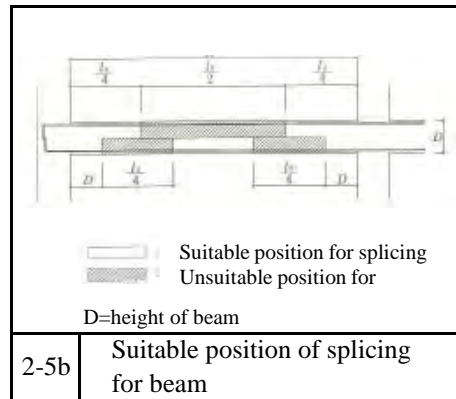
2-3 Concrete pouring for column



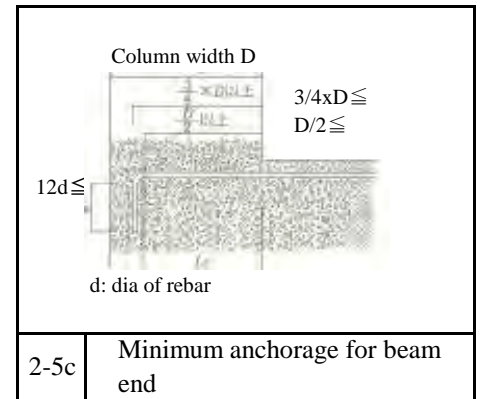
2-4 Form and prop of beam form



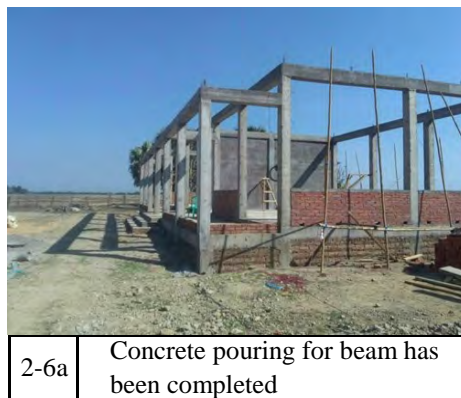
2-5a Placing of beam rebar



2-5b Suitable position of splicing for beam



2-5c Minimum anchorage for beam end



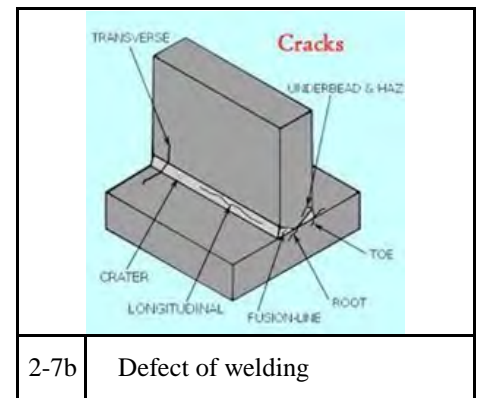
2-6a Concrete pouring for beam has been completed



2-6b Water spreading before concrete pouring

**-3"x2" GI-C-Channel Purlin
 -4"x2" MS U Rafter(5mm)
 -2"x2" MS Angle Strut(4mm)
 (RO. PAINTING TWO COATS FOR ALL STEEL TRUSS)**

2-7a Steel section



2-7b Defect of welding

Photos for Reference up to Second Payment



2-7c	No rust proof paint to steel trusses
------	--------------------------------------



2-8	Roofing damage by wind due to fixing defect
-----	---

INSPECTION SHEET for SCHOOL BUILDING (3)

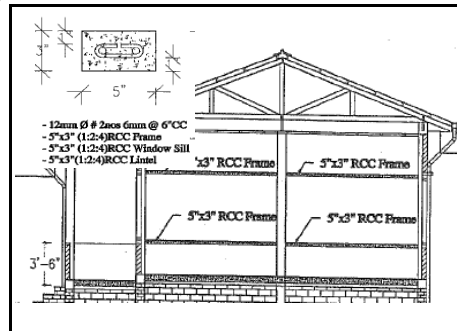
Up to Third Payment

No.	Work Item (Work Sequence)	Check Item	Criteria	Judge		Remarks
				Ok	NG	
3-1	4½"Brick walls laying with	Brick quality, mortar mix proportion	Brick isn't soft and shaky. Cement:Sand=1:3			
		Lay brick properly	All joint shall be filled by mortar			
3-2	5"x3"RCC frame, window sill and lintel	RCC frame shall be casted every 4' brick layer	As per drwg. A5 Section C-C			
3-3	5"x2"Door & window frame installation	Check material quality	Structurally sound, free from bent			
		Check water content of wood	Wood moisture content 18% \geq			
		Check surface condition	Smooth, free of cracks, splits, and knots			
		Check fixing condition	Plumb, square and flush			
3-4	½" Plastering to walls	Check ratio of cement and sand	First coat 1:3, second coat 1:4			
		Concrete surface preparation	Making clean and wash the surface			
		Check finishing surface	Smooth, plumb and free of cracks			
		Check joint (corner) of plaster	Joint must be in right angle			
3-5	12"thk. Sand filling under floor	Check sand quality for filling	Well-gravity without silt			
		Check sand layer thickness	Sand layer 12" thick			
3-6	Polyethylene sheet (0.15mm thk.) laying	Check Lapping joint width, if any	More than 6" lapping			
3-7	4½"thk. 1:3:6 Concrete (2500psi)floor	Check concrete pouring work	Well vibrating and tamping			
		Curing after concrete pouring	Keep moist condition for at least 7 days			
Inspection for 3rd payment						
	- Progress check	Activities up to No.3-7 have been completed.				
	- Wall plaster	Surface condition of wall plaster	Free from cracking			
			Free from un-bonding portion			
			Smooth, flat and plumb			
	- Wooden door & window frame	Surface condition of wood	Smooth, free of cracks, splits, and knots			
	- Concrete floor	Surface condition of floor concrete	Free from cracking on the concrete			

Photos for Reference up to Third Payment



3-1 Fill mortar to brick joint without gap



3-2 5"x3" RCC frame is necessary for brick wall



3-3a Check water content before installation



3-3b Check quality of material



3-3c Scaffolding fixed to window/door frame by long nail



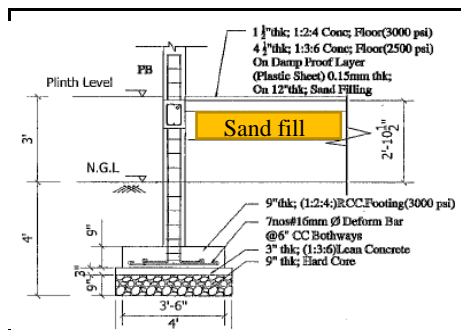
3-4a Scratch coat of wall plaster mortar mix Cement:Sand=1:3



3-4b Finishing coat of wall plaster mortar mix Cement:Sand=1:4



3-4c Defect of plaster cracking to corner of window



3-5 Sand filling 12" thick



3-6 Polyethylene sheet (0.15mm thk.) laying



3-7 Curing after floor concrete

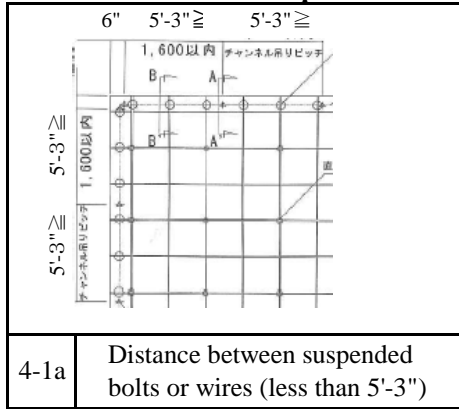
INSPECTION SHEET for SCHOOL BUILDING (4)

Up to Fourth Payment

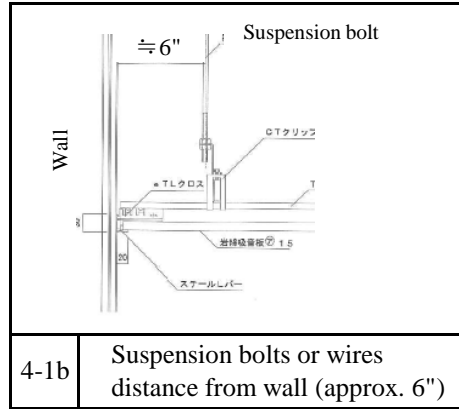
No.	Work Item (Work Sequence)	Check Item	Criteria	Judge		Remarks
				Ok	NG	
4-1	Ceiling joist(C-channel) or T-bar frame	Distance between suspended bolts or wires	5'-3" c/c \geq both ways			
		Suspended bolts or wires distance from wall	Approx. 6" from wall			
		Alignment of frame	Level and even			
4-2	Ceiling mold	Sequence of work	Install after wall painting			
4-3	2'x2' Cement board ceiling	Board surface condition	Free from damage and stain			
		Board cutting size adjacent wall	Don't use small piece			
4-4	Window and door leaves	Check material quality	Structurally sound, free from bent			
		Check water content of wood	Wood moisture content 15% \geq			
		Check surface condition	Smooth, free of cracks, splits, and knots			
		Check size and quality of butt hinges	Door: 5" hinge, window: 4" hinge			
4-5	5"x5" PVC Gutter & 3"φPVC drain pipe	Movement check for door/window leaf	Close and open smoothly			
		Proper gutter slope to drain pipe.	Gutter slope 1/300			
4-6	Wall painting	Check fixing condition	Fix gutter/pipe firmly with proper bracket			
		Decision of color scheme and kind of paint	Sample shall be approved before order			
		Check dry condition of mortar surface	Water content of wall 10% \geq			
4-7	Doors and windows painting	Ceiling mold	Mold is not to be painted			
		Number of coats and film thickness	Apply coats getting even color			
		Decision of color scheme and kind of paint	Sample shall be approved before order			
		Surface preparation for wood	Remove dirt and oil and well sanding			
4-8	1½"thk.1:2:4 Concrete(3000psi) floor topin	Border of wall and door/window frame	Make straight and to be in right angle			
		Hardware and glass	Hardware and glass are not to be painted			
		Surface preparation on the base	Remove laitance and water washing			
		Level and flat surface	Make reference point before screeding			
4-9	3mm Glass installation with teak beading	Curing after screeding	Moist condition for at least 7 days			
		Glass installation timing	After painting of window frame			
4-10	White board installation	Surface condition	No scratch, no damage, no stain			
		Check surface condition of aluminum frame	No burr on cutting edge for safety			
4-11	2"φSteel handrail installation	Check board fixing (hanging) condition	Fixed to wall by adequate hanging hardware			
		Check top height of steel pipe handrail	Height from corridor floor 3'-7" \leq			
4-12	Step to corridor	Check handrail fixing condition	No shaky if shaking by hand			
		Check height of riser and width of tread	As per drwg. A5 Riser:6", Tread:11"			
4-13	Furniture	Up and down stair safety	All steps are even in height			
		Check size of furniture	As per drwg			

No.	Work Item (Work Sequence)	Check Item	Criteria	Judge		Remarks
				Ok	NG	
		Check quality of furniture	Steady frame and desk top edge is smooth			
E-1	Main distribution board 30A 2 pole breaker	Check insulation resistance (megger test)	$5M\Omega \geq$			
E-2	Electrical cable wiring /switch installation	Check wiring condition	Not expose (covered or embedded)			
		Check level of switch and outlet	Switch: 3'-6" Outlet : 10" from floor level			
E-3	40w fluorescent lighting fixture installation	Check quality and numbers	As per drawing			
		Check direction of fluorescent light	Pararrel with white board			
		Check lighting switch	Lighting switch on and off			
		Check outlet	Outlet is working or not (Use light)			
E-4	Lightning system	Check fixing condition of rods and wire	Fix tighten with roof			
		Check earth resistance	$10\Omega \geq$			
Inspection for 4th payment						
	- Progress check	All work in the contract have been completed.				
	- Ceiling	Level and flat				
		No damage, no dirt				
	- Wall	Even color and no dirt				
		Border of different color is straight				
		Free from crack and unbond portion				
	- Floor	Level and flat				
		No damage, no cracking and no unbonding				
	- Door and window	Smooth opening and closing				
		Smooth locking				
		No damage on the glass				
	- Step	Equal size of tread and riser	Tread: 11", Riser: 6"			
	- Furniture	Durable and no damage				
	- Light	Checking light switch on and off				

Photos for Reference up to Forth Payment



4-1a Distance between suspended bolts or wires (less than 5'-3")



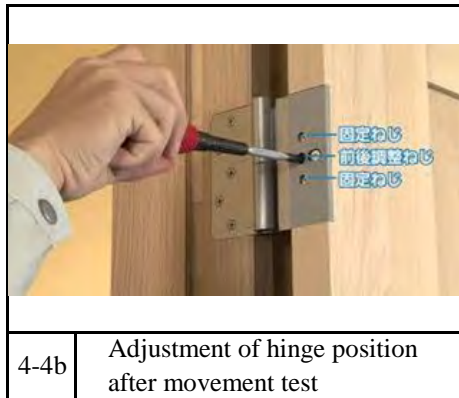
4-1b Suspension bolts or wires distance from wall (approx. 6")



4-2 Ceiling shall be installed after wall painting



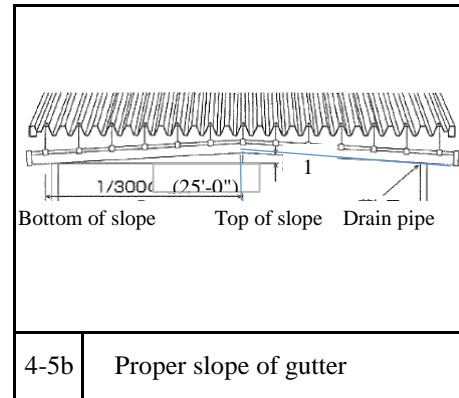
4-4a Check surface condition



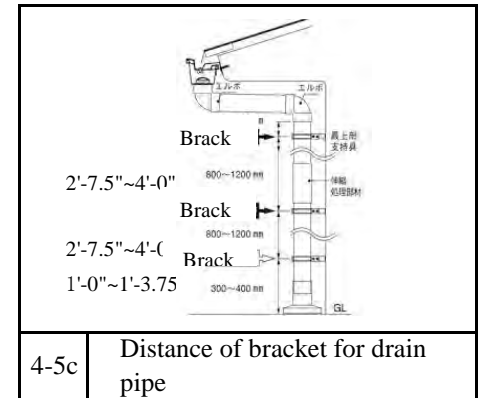
4-4b Adjustment of hinge position after movement test



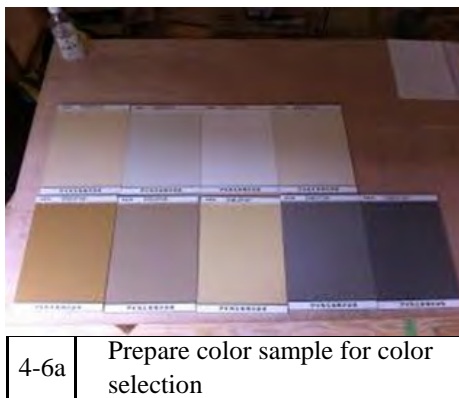
4-5a Improper slope of gutter



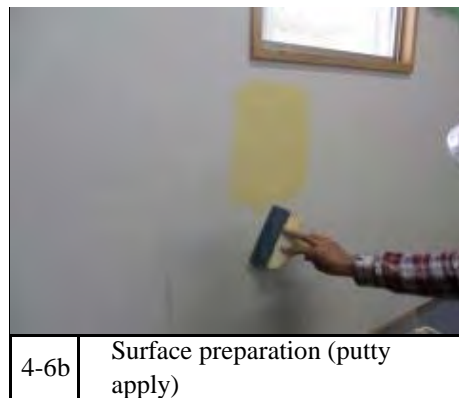
4-5b Proper slope of gutter



4-5c Distance of bracket for drain pipe



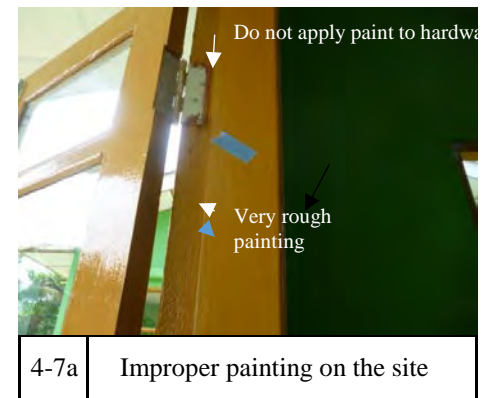
4-6a Prepare color sample for color selection



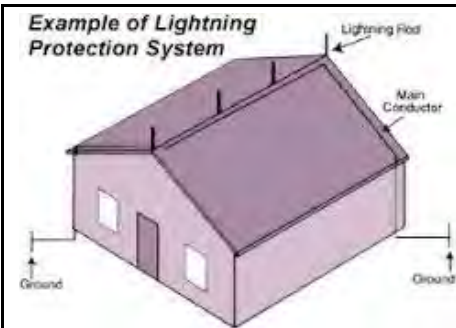
4-6b Surface preparation (putty apply)



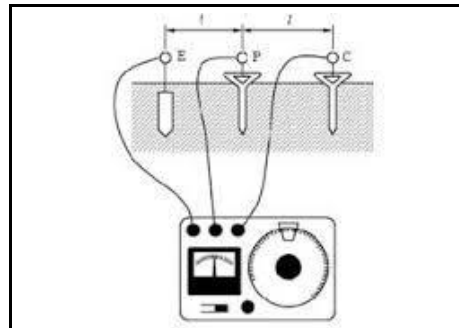
4-6c Uneven color wall paint



4-7a Improper painting on the site



E-5	Lightning protection system
-----	-----------------------------



E-6	Check earth resistance
-----	------------------------

Appendix 11

Programme Pamphlet for Public Relations

Appendix 11

Material's Submittal for Approval

Material's Approval

Prior to use, The Contractor shall notify to the School and Township Education Office of all proposed material to be incorporated in to the project in accordance with the Contract.

No.	Work Item	Material or Product	Check Item for Approval
1	Earth Work	Hard Core under Lean Concrete	To be sufficiently hard as well as being compressed
		Backfilling Material	Choice well graded soils (Coarse-grained soils include gravelly and sandy soils)
		Sand for Filling under Concrete Flooring	No contain any silty and organic matter
		Plastic Sheet for Dump Proof	Polyethylene film, thickness more than 0.15mm
2	Concrete Work	Cement	Ordinary Portland Cement produced conforming to ASTM C150 or equivalent.
		Fine Aggregate	Source of Aggregate, No contain any silty and organic matter
		Coarse Aggregate	Source of aggregate, Maximum size:(25mm for super structure, 40mm for footing)
		Mixing Water for Concrete	Confirm source of Concrete Mixing Water
3	Formwork	Concrete	Confirm concrete mix design Execute concrete compression test and confirm compression strength (Min 3,000psi)
		Sheathing Materials	Confirm sheathing material (Plywood, Moisture-resistant Particleboard, Metal etc.)
4	Rebar Work	Joist, Stringer and Shore Materials	Confirm supporting material (Timber, Steel Pipe etc.)
		Deformed Reinforcing Steel bars	Confirm Mill Certificate (16mm, 12mm, 10mm diameter)
5	Brick/Block Masonry Work	Round Steel bars	Confirm Mill Certificate (8mm diameter)
		Common Burnt Clay Bricks	Min. compressive strength:1500psi, Max.water absorption:20%
		Concrete Hollow Block (If any)	Alternative material for clay brick.(If brick is not available)
		8"x8"x3" Concrete Screen Block	Confirm sample (surface condition)
6	Steel Structure Work	Mortar for Brick/Block Laying	Confirm Mortar Mix Ratio, Cement, Sand, Water
		Steel Roof Trusses	Confirm steel member size ([-4"x2"x5mm, L-2"x2"X4mm)
			Confirm bolts & nuts size) (5/5"dia 1.5" long)
		Rust Proof Paint (Steel surface)	Confirm kind of paint (Red Oxide Primer), number of coat and thickness.
7	Roof Work	Purlin	Confirm steel member size (C-3"x1 1/2"x2.3mm)
		0.42mm thickness 4 Angle Color Sheet	Confirm sheet thickness and color (green)
		0.42mm thickness Color Plain Sheet	Confirm sheet thickness and color (green)
		2.5"Long EVA Screw with Washer	Confirm sample (length, free from rusting)
		"8x1 Fascia Board (Pyinkado)	Confirm sample (kind of wood, surface condition, Max. moisture content:18%)
		5"x5" PVC Gutter	Confirm sample (size)
MS Bracket for Gutter	Confirm sample (free from rusting)		
	3" dia 1.35mm thk. PVC Drain Pipe	Confirm sample (inner diameter:3", thickness:1.35mm)	

No.	Work Item	Material or Product	Check Item for Approval
8	Doors & Windows Work	Double Swing Door 4'(W)x7'(H)	Confirm mock-up sample (Max. moisture content:18%)
		-5"x2" Jamb and Header (Pyinkado)	kind of wood, size, free from damage, dirt, bent and harmful knot on the surface
		-4"x1.5" Stiles, Rails and Mentions (Teak)	kind of wood, size, free from damage, dirt, bent and harmful knot on the surface
		-Door Panel Plank Tongue & Groove (PTG)	Confirm sample (free from damage)
		-5"Hinge (stainless steel)	Confirm sample (durability, free from rusting)
		-Slide Bolt (stainless steel)	Confirm sample (durability, free from rusting)
		-Pull Handle (stainless steel)	Confirm sample (durability, free from rusting)
		-Door Bolt (stainless steel)	Confirm sample (durability, free from rusting)
		Double Swing Window 3'(W)x4'(H)	Confirm mock-up sample before fabrication (Max. moisture content:18%)
		-5"x2" Jamb, Header & Sill (Pyinkado)	kind of wood, size, free from damage, dirt, bent and harmful knot on the surface
		-4"x1.5" Stiles and Rails (Teak)	kind of wood, size, free from damage, dirt, bent and harmful knot on the surface
		-2"x2" Mentions (Teak)	kind of wood, size, free from damage, dirt, bent and harmful knot on the surface
		-4"Hinge (stainless steel)	Confirm sample (durability, free from rusting)
		-Window Bolt (stainless steel)	Confirm sample (durability, free from rusting)
		-Hook and Eye (stainless steel)	Confirm sample (durability, free from rusting)
		9	Plaster Work
3mm Clear Glass	Confirm sample (thickness, free from scratches, dirt)		
Glass Bead (Glass Stop) (Teak)	kind of wood, size, free from damage on the surface		
Painting for Door & Window (Oil Paint)	Confirm mock-up sample (color, surface preparation, even color)		
Mortar for Plaster	Confirm Mortar Mix Ratio (Cement: Sand=1:3)		
10	Metal Work	2"dia Stainless Steel Pipe Handrail (Corridor)	Confirm sample (durability, free from rusting)
		3"dia Stainless Steel Pipe Handrail (Staircase, if any)	Confirm sample (height=3', durable, free from rusting)
11	Ceiling Work	Ceiling Joist (Light gauge steel suspension system)	Confirm sample (durability, free from rusting)
		T-bar suspension system	Confirm sample (durability, free from rusting)
		2"x2" or 2"x1" Cement Board for Ceiling	Confirm sample (non-asbestos, thickness \geq 6mm)
12	Painting Work	Selection of paint color	Confirm mock-up sample (color)
		Exterior Wall Paint (Mortar surface)	Confirm kind of paint (Exterior Gloss Emulsion Paint, Weathershield)
		Interior Wall Paint (Mortar surface)	Confirm kind of paint (Synthetic Resin Emulsion Paint, Vinyl Silk etc.)
		Door & Window Frame Paint (Wood surface)	Confirm kind of paint (Synthetic Resin Oil Paint, Gloss Enamel etc.)
		Ceiling Paint (Cement Board Surface)	Confirm kind of paint (Synthetic Resin Emulsion Paint, etc.)
		Patty for mortar surface	Confirm kind of putty (Cementations Skim Coat)
		Patty for wood surface	Confirm kind of putty (Synthetic Resin Emulsion Putty)

No.	Work Item	Material or Product	Check Item for Approval
13	Furniture	Wooden Table for primary school pupils	Confirm sample (durability, stability, dimension, surface condition)
		Wooden Bench for primary school pupils	Confirm sample (durability, stability, dimension, surface condition)
		Wooden Desk for high school student	Confirm sample (durability, stability, dimension, surface condition)
		Plastic Chair for high school student	Confirm sample (durability, stability, dimension, surface condition)
		Black board (White Board)	Confirm sample (dimension, surface condition, Ironmongery for fixing)
14	Plumbing Work	Water Closet (Squat Type)	Confirm sample or Catalogue
		PVC Drain Pipe	Confirm sample or Catalogue
		PVC Water Supply Pipe	Confirm sample or Catalogue
		Water Faucet	Confirm sample or Catalogue
15	Electrical Work	Fluorescent Light 40w	Confirm sample or Catalogue
		Lighting Switch	Confirm sample or Catalogue
		PVC Insulated Cable 3029	Confirm sample or Catalogue
		Distribution Board incl. Breaker	Confirm sample or Catalogue
16	Lightning Arrester	Lightning Rod	Confirm sample or Catalogue
		Lightning Conductor	Confirm sample or Catalogue
		Earth Rod	Confirm sample or Catalogue

Appendix 12 Tender Form

DBE & JICA

Tender Form

Third Tender

Form-A1	Master Construction Schedule
Form-A2	Detail Construction Schedule
Form-B1	List of Engineer
Form-B2	Proposed Site Organization Chart
Form-B3	List of Tenderer's Equipment
Form-B4	Annual Turnover and Financial Report
Form-B5	List of Work Experience for Similar Construction Work

Master Construction Schedule

Tenderer's Name:

Lot 52

Tenderer shall submit the Proposed Master Construction Schedule

Code	Year															Remarks	
	Calendar Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
443	School Building 120'X30' RCC PL7'																
	KG 60'x30' RCC PL7'																
	WC4 FL5'																
444	School Building 144'X30' RCC2																
	KG 60'x30' RCC1																
	WC2 FL1.5'																

(Signature)

(Name of Signatory)

(Title of Signatory)

(Name of Tenderer) & (Seal)

Detailed Construction Schedule for 144'x30' RCC2 Building

Tenderer's Name:

Lot-52

Tenderer shall submit the Proposed Detailed Construction Schedule

Month	1	2	3	4	5	6	7	8	9	10	11	12	Remarks
Mobilization/Demobilization													
Temporary Work													
Earth Work													
Footing RCC Work													
Retaining Wall & Printh Beam RCC Work													
Slab on grade													
GF Column, Floor Beam & Slab RCC Work													
1stF Column & Roof Beam RCC Work													
Brick Walls													
Wall Plaster													
Roof Work													
Door & Window Installation													
Ceiling Work													
Painting Work													
Electrical Work													
Blackboard and Furniture													
Drainage and Apron													

(Signature)

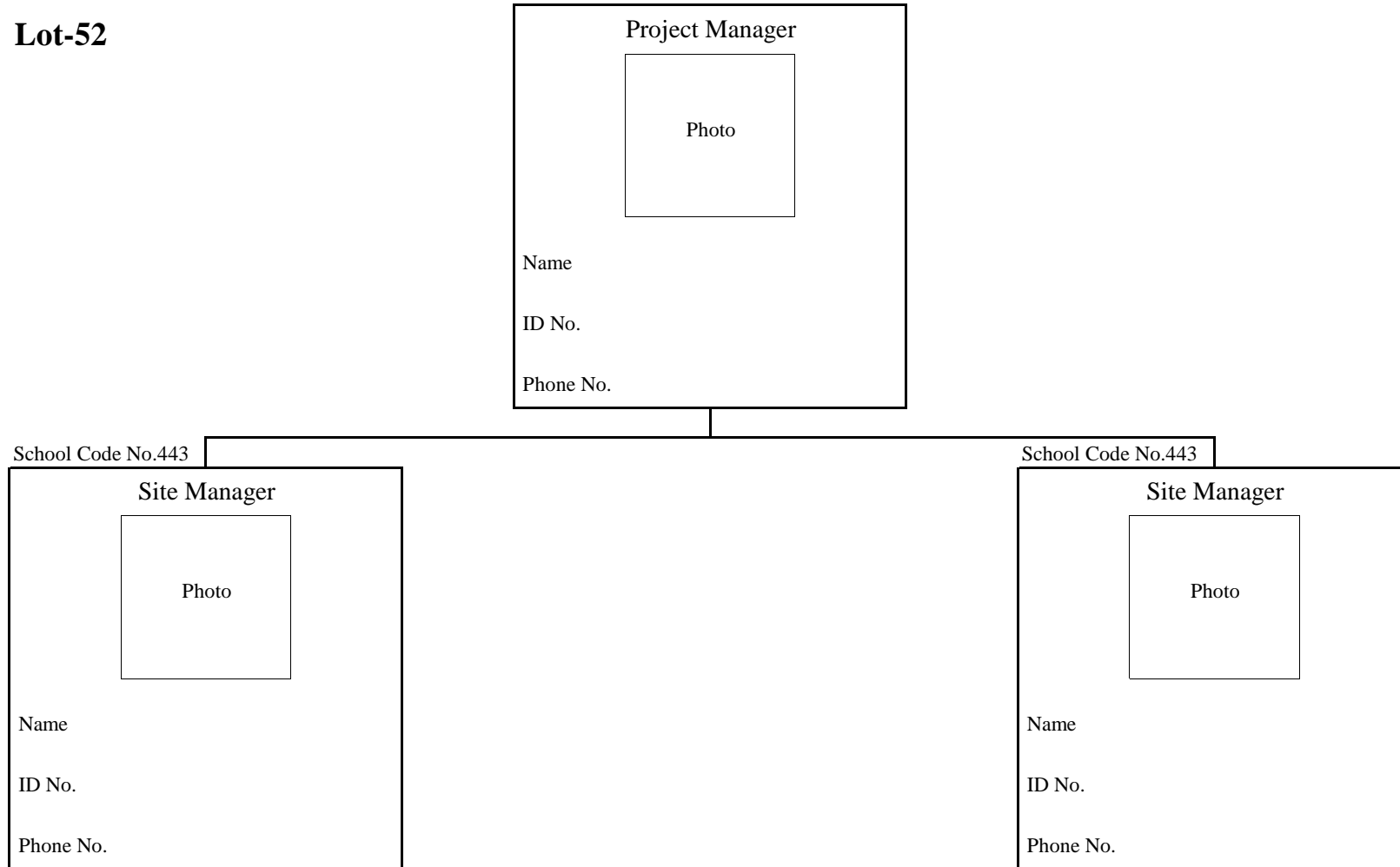
(Name of Signatory)

(Title of Signatory)

(Name od Tenderer) & (Seal)

Proposed Site Organization Chart

Lot-52



(Signature)

Name of Signatory

Title of signatory

Name of Tenderer

List of Tenderer's Equipment

[Tenderer's Name: _____]

Lot-52

No.	Name of Equipment	Quantity	Capacity	Model/Type	Country of Origin	Own/Rent	Remarks
1	Survey Equipment (Level, Theodolite, Long Measuring Tape)						
2	Excavator						
3	Water Pump						
4	Engine Generator						
5	Welding machine						
6	Concrete Mixer						
7	Concrete Vibrator						
8	Quality Testing Tools (Slum Cone, Concrete Sample Molds etc.)						

(Signature)

(Name of Signatory)

(Title of Signatory)

(Name of Tenderer) & (Seal)

Annual Turnover and Financial Report

1. Annual Turnover of Construction Works during the last *three (3)* years [insert amount in **MMK**]

Year	Turnover (MMK)
2017	
2016	
2015	

2. **Financial reports for the last *five (5)* years: Balance sheets, profit and loss statements, auditors' reports, etc. [List below and attach copies.**

Name of Financial Reports	Year
1.	
2.	
3.	
4.	
5.	

List of Work Experience for Similar Construction Work

Name of Project	Client	Const. Period	Location of the Project	Contract Amount	Remarks

(Signature) _____

(Name of Signatory) _____

(Title of Signatory) _____

(Name of Tenderer) _____ *(Seal)* _____

Appendix 13

Bill of Quantities for Evaluation of 3rd Tender

Appendix 13

Bill of Quantities for Evaluation of 3rd Tender

March-18

No.	Item	Unit	144'x30' RCC2 8 CR	120'x30' RCC1 PL7' 4 CR	120'x30' RCC1 PL6' 4 CR	120'x30' RCC1 4 CR
1	Site Clearance Work	sft	5,587.0	4,699.0	4,699.0	4,699.0
2	Excavation for Foundation & Drainage	cft	15,628.1	13,253.1	13,253.1	7,477.4
3	Backfilling & Filling	cft	12,388.7	4,984.8	4,984.8	7,909.5
4	Disposal of Surplus Soil	cft	3,239.4	8,268.3	8,268.3	-
	Imported Soil	cft				432.1
5	Hard Core Laying	cft	1,579.6	1,329.9	1,329.9	747.2
6	Sand filling 12" thk. under Slab on Grade	cft	3,975.8	3,334.5	3,334.5	3,334.5
7	Plastic Sheet Laying 0.15 thk.	sft	3,975.8	3,334.5	3,334.5	3,334.5
8	Lean Concrete 2,000psi (footing, RW, Drain)	cft	962.0	811.2	811.2	572.7
9	4½" thk. Slab on Grade Concrete 2,500psi	cft	1,433.8	1,217.5	1,217.5	937.8
10	R.C.Concrete 3,000psi					
	For Footing	cft	1,363.0	1,102.0	1,102.0	404.3
	For Column	cft	1,980.1	949.8	903.5	434.1
	For Grade Beam	cft	-	433.9	433.9	-
	For Plinth Beam	cft	441.9	-	-	451.8
	For Floor beam	cft	880.9	557.4	557.4	-
	For Roof Beam	cft	272.3	321.4	321.4	328.1
	For Slab	cft	1,213.8	1,168.1	1,168.1	-
	For Stair & Step	cft	321.9	122.7	102.3	-
	For Others(Frame, Window Sill & Lintel)	cft	131.3	68.0	68.0	62.0
	Sub-total	cft	6,605.2	4,723.3	4,656.6	1,680.3
11	Reinforcement work					
	16mmφDeformed bar	t	20.825	11.427	11.227	6.167
	12mmφDeformed bar	t	1.462	0.610	0.579	0.323
	10mmφDeformed bar	t	6.332	5.527	5.527	0.000
	8mmφDeformed bar	t	3.788	3.041	2.994	1.660
	6mmφDeformed bar	t	0.178	0.085	0.085	0.079
	Sub-total	t	32.585	20.690	20.412	8.229
12	Formwork					
	For Footing	sft	1,212.0	992.0	992.0	462.0
	For Column	sft	6,556.2	3,989.9	3,794.9	2,183.4
	For Grade Beam	sft	-	1,157.0	1,157.0	-
	For Plinth Beam	sft	1,174.4	-	-	1,204.9
	For Floor beam	sft	2,505.7	2,077.2	2,077.2	-
	For Roof Beam	sft	1,592.3	1,166.5	1,166.5	1,190.3
	For Slab	sft	3,236.9	3,115.0	3,115.0	-
	For Stair & Step	sft	835.7	261.1	226.9	-
	For Others(Frame, Window Sill & Lintel)	sft	819.1	389.4	389.4	325.0
	Sub-total	sft	17,932.3	13,148.0	12,918.8	5,365.6
13	Steel structure Work					
	4"x2"x5mm thk. U Rafter(MS) Channel with Paint	t	2.887	2.539	2.539	2.539
	2"x2"x4mm thk. Strut(MS) Angle with Paint	t	0.526	0.447	0.447	0.447
	2"x2"x3mm thk. (MS) Angle Cleat with Paint	t	0.407	0.357	0.357	0.357
	5mm thk.Flat Bar with Paint	t	0.056	0.045	0.045	0.045
	Sub-total	t	3.876	3.388	3.388	3.388
	3"x1½x2.3mm thk. Lip Channel	t	2.190	1.834	1.834	1.833
14	Brick & Block Work					
	For Retaining Wall 9",15", 21" width	cft	1,144.0	948.0	948.0	1,194.1
	For Wall 4½" thk.(half brick wall)	sft	6,938.1	2,709.0	2,709.0	2,709.0

No.	Item	Unit	144'x30' RCC2 8 CR	120'x30' RCC1 PL7' 4 CR	120'x30' RCC1 PL6' 4 CR	120'x30' RCC1 4 CR
	For Drainage 4½" thk.(half brick wall)	sft	945.0	825.0	825.0	825.0
	8"x8"x3" Concrete Screen Block	ea	274.0	240.0	240.0	240.0
	Brick Sunshade	Rft	72.0	96.0	96.0	96.0
15	Cement & Sand Plaster(1:3) ½" thk.					
	For Interior Wall and Column	sft	7,675.1	4,011.9	4,011.9	4,011.9
	For Exterior Wall and Column	sft	9,614.2	2,783.0	2,783.0	4,023.0
	For Exterior Column under Floor	sft		1,115.8	920.8	-
	For Exterior Beam & Soffit under Floor	sft		4,826.2	4,794.7	-
16	Cement & Sand Screed to Tread & Riser (1:3)1½" thk.	sft	191.2	257.6	219.4	101.1
17	1½" thk. Concrete Floor Topping 3,000psi	sft	8,166.0	3,555.2	3,555.2	3,556.7
	1½" thk. Concrete Floor Topping 3,001psi(Under Ground Floor)	sft		3,704.7	3,704.7	-
18	0.42mm thk. 4 Angle Color Sheet Roofing	sft	5,616.6	4,711.9	4,711.9	4,711.9
19	0.42mm thk. Color Paitng Sheet Ridge	Rft	205.2	181.2	181.2	181.2
20	8"x1" Fascia Board (Pyinkado)	Rft	368.4	320.4	320.4	320.4
	Wooden Sun Shade 1'-6"high (Pyinkado) to G/F Corridor	sft	210.0			
21	Chowket & Rail					
	For Door 5"x2" (Pyinkado)	Rft	410.7	205.4	205.4	205.4
	For Window 5"x2" (Pyinkado)	Rft	1,561.1	796.6	796.6	796.6
	For Window 2"x2" (Pyinkado)	Rft	256.0	160.0	160.0	160.0
22	1½" thk. Teak Door Panel W4'xH7' incl. Hardware	set	16.0	8.0	8.0	8.0
	1½" thk. Teak Door Panel W2"-6" xH7' incl. Hardware	set				
23	1½" thk. Teak Window Panel W3'xH4' incl Hardware	set	32.0	20.0	20.0	20.0
24	Clear Float Glass 3mm thk. With Teak Beading					
	For Door (Transom)	sft	61.3	30.7	30.7	30.7
	For Window	sft	667.6	417.3	417.3	417.3
25	2'x2' Cement Board Ceiling with Suspension System					
	For Classroom	sft	5,539.3	2,888.8	2,888.8	2,888.8
	For Corridor and Eaves with Beading	sft	2,035.6	1,339.0	1,339.0	1,339.0
26	2"φStainless Steel Pipe Handrail for Corridor	Rft	249.0	106.0	106.0	103.0
27	Stainless Steel stair Baluster and Balustrade H=3feet	Rft	43.0	37.6	29.2	
	Stainless Steel stair Baluster and Balustrade H=3'-7"	Rft	12.0			
28	5"x5" PVC Gutter with MS Bracket 2'c/c	Rft	368.4	320.4	320.4	320.4
29	3"φPVC Drain Pipe with Elbow incl. Bracket	Rft	288.4	166.7	156.7	134.7
30	Interior Wall Painting(Synthetic Resin Emulsion Paint)	sft	7,675.1	4,011.9	4,011.9	4,011.9
31	Exterior Painting(Gloss Emulsion Paint, Weather shield))	sft	9,614.2	8,725.0	8,498.5	4,023.0
32	Door, Window & Fascia Board Paint(Synthetic Oil Paint)	sft	4,223.0	2,167.3	2,167.3	2,167.3
33	Black Board L8'xH4'	ea	8.0	4.0	4.0	4.0
34	3" thk. Concrete Floor to Apron	sft	734.0	604.0	604.0	604.0
35	3" thk. Concrete Drainage Cover	sft	692.0	638.0	638.0	638.0
36	40w Fluorescent Light with Switch and Wiring	ea	62.0	29.0	29.0	29.0
	20w Fluorescent Light with Switch and Wiring	ea				
37	Distribution Board 30A 2 Pole Breaker with Box	ea	-	1.0	1.0	1.0
	Distribution Board 60A 2 Pole Breaker with Box	ea	1.0	-	-	-
38	Lightning Areastor with Wiring and Ground Rod	set	5.0	4.0	4.0	4.0
39	Exterior Scaffolding	sft	9,790.0	5,927.0	5,599.0	4,943.0
40	Interior Scaffolding	sft	8,640.0	7,200.0	7,200.0	3,600.0

No.	Item	Unit	60'x30' RCC1 PL7' 3 CR	60'x30' RCC1 PL6' 3 CR	60'x30' RCC1 3 CR	20x26' RCC1 HM House
1	Site Clearance Work	sft	2,479.0	2,479.0	2,479.0	720.0
2	Excavation for Foundation & Drainage	cft	7,447.8	7,447.8	4,324.4	1,260.0
3	Backfilling & Filling	cft	2,932.6	2,932.6	4,713.7	916.6
4	Disposal of Surplus Soil	cft	4,515.2	4,515.2	-	343.4
	Imported Soil	cft	-		389.3	
5	Hard Core Laying	cft	758.3	758.3	468.4	133.0
6	Sand filling 12" thk. under Slab on Grade	cft	1,645.9	1,645.9	1,645.9	446.3
7	Plastic Sheet Laying 0.15 thk.	sft	1,645.9	1,645.9	1,645.9	446.3
8	Lean Concrete 2,000psi (footing, RW, Drain)	cft	478.1	478.1	395.6	133.0
9	4½" thk. Slab on Grade Concrete 2,500psi	cft	601.0	601.0	617.2	167.4
10	R.C.Concrete 3,000psi					
	For Footing	cft	616.0	616.0	229.7	110.3
	For Column	cft	528.4	503.6	247.2	102.3
	For Grade Beam	cft	250.4	250.4	-	-
	For Plinth Beam	cft	-	-	193.8	76.5
	For Floor beam	cft	288.4	288.4	-	-
	For Roof Beam	cft	189.8	189.8	193.8	76.5
	For Slab	cft	585.4	585.4	-	
	For Stair & Step	cft	122.7	102.3	-	
	For Others(Frame, Window Sill & Lintel)	cft	38.1	38.1	39.0	23.0
	Sub-total	cft	2,619.2	2,574.0	903.5	388.6
11	Reinforcement work					
	16mmφDeformed bar	t	7.778	7.670	3.673	1.063
	12mmφDeformed bar	t	0.423	0.423	0.203	0.120
	10mmφDeformed bar	t	2.805	2.805	0.000	0.000
	8mmφDeformed bar	t	1.711	1.686	0.961	0.369
	6mmφDeformed bar	t	0.048	0.048	0.050	0.030
	Sub-total	t	12.765	12.632	4.887	1.582
12	Formwork					
	For Footing	sft	560.0	560.0	262.5	126.0
	For Column	sft	2,214.6	2,109.6	1,243.4	529.4
	For Grade Beam	sft	667.8	667.8	-	
	For Plinth Beam	sft	-	-	516.8	206.0
	For Floor beam	sft	1,074.6	1,074.6	-	
	For Roof Beam	sft	680.3	680.3	694.4	306.0
	For Slab	sft	1,561.0	1,561.0	-	
	For Stair & Step	sft	261.1	226.9	-	
	For Others(Frame, Window Sill & Lintel)	sft	220.0	220.0	214.7	131.3
	Sub-total	sft	7,239.4	7,100.2	2,931.8	1,298.7
13	Steel structure Work					
	4"x2"x5mm thk. U Rafter(MS) Channel with Paint	t	1.478	1.478	1.478	0.448
	2"x2"x4mm thk. Strut(MS) Angle with Paint	t	0.231	0.231	0.231	0.065
	2"x2"x3mm thk. (MS) Angle Cleat with Paint	t	0.195	0.195	0.195	0.068
	5mm thk.Flat Bar with Paint	t	0.027	0.027	0.027	0.013
	Sub-total	t	1.931	1.931	1.931	0.594
	3"x1½"x2.3mm thk. Lip Channel	t	0.941	0.941	0.941	0.336
14	Brick & Block Work					
	For Retaining Wall 9",15", 21" width	cft	557.9	557.9	702.4	196.3
	For Wall 4½" thk.(half brick wall)	sft	1,622.6	1,622.6	1,622.6	962.2
	For Drainage 4½" thk.(half brick wall)	sft	525.0	525.0	527.6	

No.	Item	Unit	60'x30' RCC1 PL7' 3 CR	60'x30' RCC1 PL6' 3 CR	60'x30' RCC1 3 CR	20x26' RCC1 HM House
	8"x8"x3" Concrete Screen Block	ea	142.0	142.0	142.0	
	Brick Sunshade	Rft	60.0	60.0	60.0	36.0
15	Cement & Sand Plaster(1:3) ½" thk.					
	For Interior Wall and Column	sft	2,457.4	2,457.4	2,457.4	1,482.7
	For Exterior Wall and Column	sft	1,583.5	1,583.5	2,302.8	995.0
	For Exterior Column under Floor	sft	601.7	477.6	-	
	For Exterior Beam & Soffit under Floor	sft	2,543.6	2,511.3	-	
16	Cement & Sand Screed to Tread & Riser (1:3)½" thk.	sft	257.6	219.4		31.8
17	1½" thk. Concrete Floor Topping 3,000psi	sft	1,772.0	1,772.0	1,766.7	482.5
	1½" thk. Concrete Floor Topping 3,001psi(Under Ground Floor)	sft	1,866.1	1,866.1	-	
18	0.42mm thk. 4 Angle Color Sheet Roofing	sft	2,450.2	2,450.2	2,450.2	775.4
19	0.42mm thk. Color Paing Sheet Ridge	Rft	121.2	121.2	121.2	24.0
20	8"x1" Fascia Board (Pyinkado)	Rft	200.9	200.9	200.9	112.6
	Wooden Sun Shade 1'-6"high (Pyinkado) to G/F Corridor	sft				
21	Chowket & Rail					
	For Door 5"x2" (Pyinkado)	Rft	77.0	77.0	77.0	110.4
	For Window 5"x2" (Pyinkado)	Rft	517.8	517.8	517.8	239.0
	For Window 2"x2" (Pyinkado)	Rft	104.0	104.0	104.0	48.0
22	1½" thk. Teak Door Panel W4'xH7' incl. Hardware	set	3.0	3.0	3.0	1.0
	1½" thk. Teak Door Panel W2'-6" xH7' incl. Hardware	set				5.0
23	1½" thk. Teak Window Panel W3'xH4' incl Hardware	set	13.0	13.0	13.0	6.0
24	Clear Float Glass 3mm thk. With Teak Beading					
	For Door (Transom)	sft	11.5	11.5	11.5	3.8
	For Window	sft	271.2	271.2	271.2	125.2
25	2'x2' Cement Board Ceiling with Suspension System					
	For Classroom	sft	1,442.9	1,442.9	1,442.9	
	For Corridor and Eaves with Beading	sft	739.0	739.0	739.0	
						446.3
26	2"φStainless Steel Pipe Handrail for Corridor	Rft	52.0	52.0	47.5	
27	Stainless Steel stair Baluster and Balustrade H=3feet	Rft	37.6	29.2		
	Stainless Steel stair Baluster and Balustrade H=3'-7"	Rft				
28	5"x5" PVC Gutter with MS Bracket 2'c/c	Rft	200.9	200.9	200.9	48.0
29	3"φPVC Drain Pipe with Elbow incl. Bracket	Rft	83.3	79.3	66.9	27.4
30	Interior Wall Painting(Synthetic Resin Emulsion Paint)	sft	2,457.4	2,457.4	2,457.4	1,482.7
31	Exterior Painting(Gloss Emulsion Paint, Weather shield))	sft	4,728.8	4,572.4	2,302.8	995.0
32	Door, Window & Fascia Board Paint(Synthetic Oil Paint)	sft	1,293.6	1,293.6	1,293.6	979.5
33	Black Board L8'xH4'	ea	3.0	3.0	3.0	
34	3" thk. Concrete Floor to Apron	sft	398.0	398.0	398.0	
35	3" thk. Concrete Drainage Cover	sft	374.0	374.0	374.0	
36	40w Fluorescent Light with Switch and Wiring	ea	14.0	14.0	14.0	5.0
	20w Fluorescent Light with Switch and Wiring	ea				1.0
37	Distribution Board 30A 2 Pole Breaker with Box	ea	1.0	1.0	1.0	1.0
	Distribution Board 60A 2 Pole Breaker with Box	ea	-	-		
38	Lightning Areastor with Wiring and Ground Rod	set	2.0	2.0	2.0	1.0
39	Exterior Scaffolding	sft	3,538.0	3,538.0	3,167.0	1,534.0
40	Interior Scaffolding	sft	3,600.0	3,600.0	1,800.0	520.0

Appendix 14 Public Relations Pamphlet



From the people of Japan

The Programme for Rehabilitation and Reconstruction of Flood and Landslide Affected Areas in the Union of Myanmar



Build Back Better

Programme backdrop

The Cyclone Komen, which passed by western Myanmar in 2015, caused massive flood and lands. In respond to a request from the Government of the Republic of the Union of Myanmar, the Government of Japan decided to execute the Programme for Rehabilitation and Reconstruction of Flood and Landslide Affected Areas under the Japanese Grant Aid with assistance by Japan International Cooperation Agency (JICA) as 1.5 billion yen Grant, which is a part of the whole Japanese Grant that Government of Japan aim to rehabilitate and reconstruct 493 schools in all.

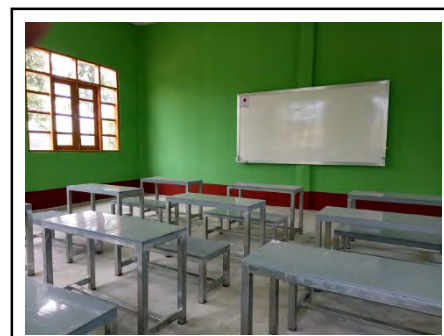
Programme goal

The goal of the Programme is reconstruction and rehabilitation of the schools in flood and landslide affected areas, as stated in the Recovery and Reconstruction Strategy in Post Flood and Landslide Needs Assessment (PFLNA), and with the “Build Back Better” called BBB principles. The BBB principles contain following two concepts; (i) Resilient to future disasters with safe and adequately sized staircases, necessary elevation for schools in delta areas and improved wash facilities, (ii) Ensuring a better learning environment under on-going educational reforms with additional classrooms for KG and post-primary schools, teachers’ room, houses for head teacher and teachers and security where necessary and good-quality classroom furniture.

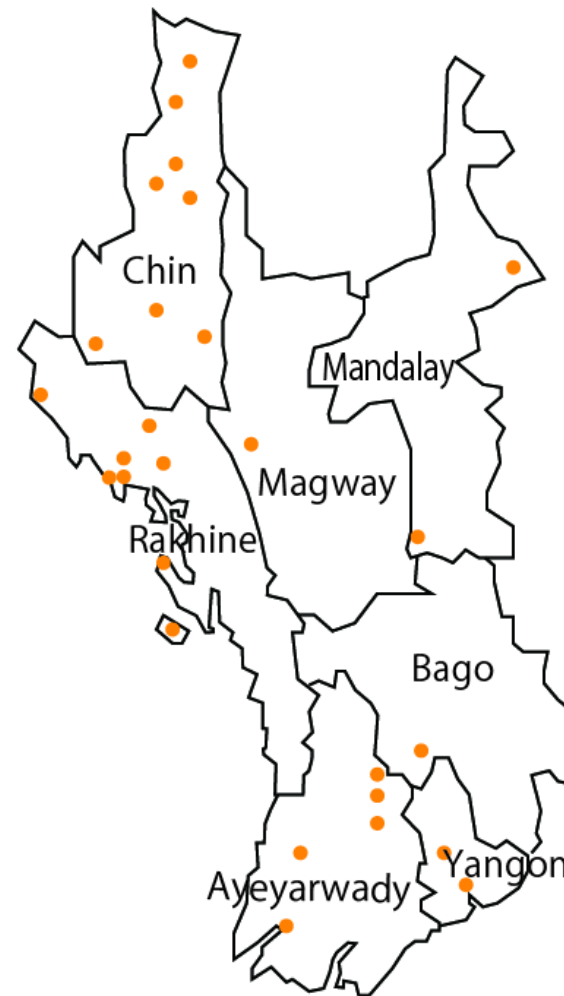
Cyclone Komen destroyed hundreds of school buildings..



Reconstructed school with Build Back Better principle



Project sites



Code	Location	Township	School Name	No. of classroom	KG	Furniture (sets)	H/M Home	No. of students
27	Chin	Mindat	BEMS-Ro	4	0	36	0	143
28	Chin	Mindat	BEPPS-Chaing	3	0	20	0	69
29	Chin	Mindat	BEPS-Khuhlu	3	0	20	0	38
30	Chine	Matupi	BEPS(Branch) Shar Taline	4	-	80	-	204
35	Chine	Matupi	BEPS-Kay Lone	3	-	40	-	47
36	Chine	Matupi	BEPS-Ngalat	3	-	50	-	71
37	Chine	Matupi	BEPS-Taung Bu	3	-	40	-	93
38	Chin	Hakha	BEHS-3	12	0	501	0	1,704
39	Chin	Hakha	BEMS-Zakhar	4	0	26	0	101
40	Chin	Hakha	BEMS-Myohaung	3	0	62	0	286
41	Chin	Hakha	BEMS-Myohaung	3	-	62	-	-
42	Chin	Hakha	BEPS-Kharbe	3	-	20	-	42
43	Chin	Hakha	BEPS-Beothae	3	-	20	-	73
44	Chin	Hakha	BEPS-Mannue	3	-	20	-	3
45	Chin	Hakha	BEPS-Lonnan	3	-	20	-	4
46	Chin	Hakha	BEPS-Lonhauk	3	0	20	0	52
47	Chin	Hakha	BEPS-Haitan	3	-	20	-	53
48	Chin	Tidem	BEPPS- Dainloe	3	-	20	-	180
103	Bago(N)	Latpadan	PPS-Kyauk Aine	4	-	80	0	253
135	Magway	Sidoktaya	PPS-Aout Pone	3	-	60	-	115
146	Mandalay	Naung-U	pps-saelan	2	0	20	0	117
147	Mandalay	Moegyoke	SHS(Branch)-Bawpadan	2	0	20	0	549
148	Mandalay	Moegyoke	BEPS- Nartesan	3	-	20	-	1,153
149	Mandalay	Naung-U	BEPS-Thone gyun	3	-	20	-	33
162	Rakhine	Butheadaung	PPS-Chinthamapalaetaung	2	-	60	-	376
170	Rakhine	Butheadaung	BEMS(Branch)-Shwethee village	5	-	50	-	153
180	Rakhine	Minbya	BEPS-Katpaepalaetaung	3	-	60	-	58
181	Rakhine	Minbya	BEPS-Kyweytat	6	-	80	-	108
216	Rakhine	Kyauk-Phyu	PPS-Kyaukpyipin	4	-	100	-	176
218	Rakhine	Sittwe	BEHS(6)-Sittwe	8	-	160	-	937
219	Rakhine	Sittwe	BEHS(9)-Mingan	12	-	240	-	1,833
225	Rakhine	Sittwe	BEHS(Branch)-Thinbonedan	4	-	80	0	638
230	Rakhine	Sittwe	BEPS-Mingan(14)	3	-	60	-	85
235	Rakhine	Ponna gyun	BEHS(Branch)-Myoma	4	-	80	-	578
240	Rakhine	Ponna gyun	BEHS-Poeshepyin	12	0	240	0	902
245	Rakhine	Ponna gyun	BEMS(Branch)-Kywelanchaung	12	-	240	0	252
249	Rakhine	Ponna gyun	PPS-Kyaukseik	8	-	160	-	584
252	Rakhine	Ponna gyun	PPS-Dparyone	8	-	160	-	286
261	Rakhine	Ponna gyun	BEPS-Kanhtaungkyi	4	-	50	0	86
283	Rakhine	Minbya	Ma-Anyun Taung	6	-	50	-	52
293	Rakhine	Minbya	PPS-Thit Pouk Taung	10	-	160	0	359
297	Rakhine	Minbya	BEPS-Kywe Naparue	6	-	60	0	70
301	Rakhine	Minbya	BEPS-Sakayae	6	-	100	0	144
303	Rakhine	Minbya	BEPS-Pyaing Chaung	6	-	100	0	209
305	Rakhine	Minbya	BEPS-Laung Mee	6	-	50	0	55
306	Rakhine	Man Aung	BEMS(Branch)-Pyin Kaw	4	-	60	0	107
310	Rakhine	Rathedaung	BEHS(Branch)-Myot Ma	24	0	480	0	963
312	Rakhine	Rathedaung	BEHS-Ku Taung	8	0	160	0	1,027
313	Rakhine	Rathedaung	BEHS-Satin Pyint	12	0	240	0	774
318	Rakhine	Rathedaung	BEHS-Rathedaung	8	0	160	0	854
319	Rakhine	Rathedaung	BEHS-Laung Chaung	8	0	160	0	699
343	Rakhine	Rathedaung	PPS-Oh Phauk	8	-	160	-	451
349	Rakhine	Rathedaung	BEPS-Kyein Tan	4	-	40	-	26
369	Rakhine	Rathedaung	BEPS-Thet Pyay Kya	4	-	60	-	82
380	Rakhine	Kyauk-Daw	BEHS(Branch)-Myot Ma	8	-	160	-	868
381	Rakhine	Kyauk-Daw	BEHS-Kan Saut	4	-	80	0	832
388	Rakhine	Kyauk-Daw	PPS-Bayawar	4	0	80	0	121
394	Rakhine	Kyauk-Daw	BEPS-Tout Ley Min Tan	6	-	50	-	86
401	Rakhine	Kyauk-Daw	BEPS-Thin Chaung	6	-	60	0	63
404	Rakhine	Paik Daw	BEHS(Branch)-Myint Gar	12	0	240	0	490
405	Rakhine	Paik Daw	BEHS(Branch)-Thapayae Kan	8	0	160	0	522
407	Rakhine	Maruk-U	BEMS(3)-Maruk-U	4	0	80	0	311
408	Rakhine	Maruk-U	PPS-Par Taw	8	-	120	-	129
412	Rakhine	Maruk-U	BEPS-PayarGyi	6	-	50	-	38
413	Rakhine	Maung Daw	BEHS(Branch)-(1)	10	-	200	0	2,087
420	Rakhine	Maung Daw	BEHS-Kyein Chaung	8	-	160	-	1,970
422	Rakhine	Maung Daw	BEHS-Maungdaw	3	-	60	-	1,220
432	Rakhine	Maung Daw	PPS-Buyhar Gone	4	-	80	-	299
441	Yangon	Htantabin	SPS-Ywar Thit	5	0	25	0	214
442	Yangon	(N) Okkalapa	SPS-(16)	5	0	20	0	246
450	Ayawady	Ngapudaw	BEMS(Branch) Dat Taw Gone	2	-	60	-	93
452	Ayawady	Zalun	BEPS-May Done	6	-	50	-	45
453	Ayawady	Danubyu	BEPS-Kyar Kyun	6	-	50	-	65
469	Ayawady	Hinthada	BEPS-Aye Ywar	3	-	40	-	26
471	Ayawady	Ingapu	BEPS-Gway Taut Kone	6	0	100	-	50
472	Ayawady	Ingapu	BEPS-Nyaung Gone Gyi	3	-	40	-	28
477	Ayawady	Thabaung	BEPS(Branch)-Mit Chaungang	3	-	40	-	16
489	Ayawady	Thabaung	BEPS-Thar Baung	3	-	100	0	215
Total				417	34	7,106	49	29,882

Appendix 15 List of Collected Data and Documents

List of Collected Data and Documents

No.	Title	Type (Printed Document, Video, Map, Photo, etc)	Original/Copy	Published by	Year of Publication
1	Safe and Child Friendly School Construction Guideline (Draft)	PDF	Copy	DBE with School Construction Sub-Working Group	2016
2	Stock taking of actors. Coordination mechanisms and initiatives of safe school construction	PDF	Copy	School Construction Working Group / Swiss Agency for Development Cooperation (SDC)	2016
3	Child Freindly School Standard Design - Natural Disaster Resistant	PDF	Copy	UNICEF	March 2016
4	Construction of Primary School in Mon and Karen State (Specificalton and Drawings)	PDF	Copy	Ministry of Education, UNICEF, SDC	2014
5	Report of Infrastructure Development for Seismic Disaster Prevention in Myanmar	PDF	Copy	The Overseas Construction Association of Japan, Inc. (OCAJI)	2015
6	Myanmar - Post-Disaster Needs Assesment of Flood and Landslides - July-September 2015	PDF	Copy	Government of the Union of Myanmar	2015
7	Comprehensive School Safety	PDF	Copy	UNSIDR	2015