

Gorkha Package 1

STATUS REPORT OF EMERGENCY SCHOOL RECONSTRUCTION UNDER JICA - TPIS

1. Project Details

- 1.1 Name of Project: Emergency School Reconstruction Project
- 1.2 Client: Ministry of Education, Central Level Project Implementation Unit (CLPIU)
- 1.3 Development Partner: Japan International Cooperation Agency (JICA)
- 1.4 Name of the Consultant: OCG in association with MORI & EWES
- 1.5 Name of Contractor: M/S Shyam Sundar-Dragon-Dhulikhel J/V
- 1.6 Project District: Gorkha
- 1.7 Contract Package No.: ESRP/DOE/NCB/05-Gorkha-1
- 1.8 Location of Site/Name of School: Shree Balkalyan-LSS
- 1.9 Contract Signed Date: 18 September, 2016
- 1.10 Contract Duration: 15 months
- 1.11 Date of the Start of Work: 5 November, 2016
- 1.12 Scheduled Date of Completion: 18 December, 2017
- 1.13 Total Contract Value: NPR 28,747,290.50 (Excluding VAT)
- 1.14 Contract Type: Unit Rate Contract

2. Report Date:

3. Progress and Deviation from Plan at this Report Date

As per the master work schedule submitted by the contractor the work should be completed up to plinth level of each block till now but the work progress is behind the schedule. However, the work is started in all blocks but in some block they are doing form work for first floor level.

In conclusion, it is concluded that the overall progress in this site is behind the schedule.

4. Test Metrics

The contractor submit the materials test report of cement, sand, aggregate and rebar before the construction started; the result was gratifying and the cube test results for 7 days and 28 days is also satisfying till now.

S.no	Particulars	Test	Remarks
1	Cement	Compressive strength 3 days	Adequate
2	Sand	Sieve analysis	Adequate
3	Aggregate	Abrasion test Sieve analysis	Adequate
4	Rebar	Tensile strength	Adequate
5	Cube test	Compressive strength 7 and 28 days	Adequate

5. Change in Design

1. Academic Block,2-4C(S) I:
Not change.
2. Academic Block,2-4C(S) II:
Block is missing in master plan.
3. Practical Block, EMC:
Not change.
4. Toilet Block,TC(S):
Because of variation in ground level, the shear wall design is done for foundation.

6. Financial Progress

Total Contract Value	NPR 28,747,290.50 (Excluding VAT)
Value of Work Till Date	NPR 3,723,237.50
Financial Progress (%)	12.95%

7. Physical Progress

Scheduled Progress (%)	15.28%
Actual Progress (%)	12.87%
Scheduled Time of Construction	60 weeks
Total Time Consumed	20 weeks
Time Elapsed (%)	33.33%

8. Contractor's Submittal

1. Master work Schedule
2. Quality control plan
3. Safety control plan with emergency network
4. Organization chart
5. Materials test report of cement, sand, aggregate and rebar.

9. Issues and Problems Facing at Site and Resolution

Firstly, the safety management is one of the major issues at site. The contractor did not provide the sufficient personal protection equipment to the labour. Secondly, especially the materials i.e. aggregate because there is no uniform size. And the lab is not established at site so that they did not provide the cube test result in time.

10. Photographs of Site and Buildings

I. Site:



II. Academic Block,2-4C(S) I:



Fig: Form work for first floor level

III. Academic Block,2-4C(S) II:



Fig: Stone masonry work between lower and upper tie beam

IV. Practical Block EMC:



Fig: Reinforcement work Ground floor column

V. Toilet Block TC(M)



Fig: Excavation work for lower tie beam

11. Management Summary

According to the contract, the duration of this project is fifteen months only. However, five months has been passed and the project is behind the schedule as per the master work schedule. Due to the insufficient and unskilled manpower as well as poor management it is very difficult to achieve the targeted goal by the contractor. From the past, we can see that the contractor did not submit the require documents in time. In contrast, important training should be given to the contractor and consultant engineers regarding the safety management, documentation work and quality management to finish the project in time.

Reported by: Rajesh Thapa Magar

Designation: Resident Engineer

Date: 9th March, 2017

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- 1.6 Project District: Gorkha
- 1.7 Contract Package No.: ESRP/DOE/NCB/05-Gorkha-1
- 1.8 Location of Site/Name of School: Shree Dharmodaya S.School, Mirokt-5
- 1.9 Contract Signed Date: 18th September, 2016
- 1.10 Contract Duration: 15 months
- 1.11 Date of the Start of Work: 5 November, 2016
- 1.12 Scheduled Date of Completion: 18 December, 2017
- 1.13 Total Contract Value: NPR 56,143,741.30 (Excluding VAT)
- 1.14 Contract Type: Unit Rate Contract

2. Report Date: 9 March, 2017

3. Progress and Deviation from Plan at this Report Date

As per the master work schedule submitted by the contractor the work should be completed up to plinth level of each block till now but the work progress is behind the schedule. However, in some block they are doing form work for first floor level and some building is not started yet specially toilet block. Because of site development work (retaining wall) they have achieved more progress in this site.

In conclusion, it is concluded that the overall progress in this site is a little bit ahead as per the master work schedule.

4. Test Metrics

The contractor submit the materials test report of cement, sand, aggregate and rebar before the construction started; the result was gratifying and the cube test results for 7 days and 28 days is also satisfying till now.

S.no	Particulars	Test	Remarks
1	Cement	Compressive strength 3 days	Adequate
2	Sand	Sieve analysis	Adequate
3	Aggregate	Abrasion test Sieve analysis	Adequate
4	Rebar	Tensile strength	Adequate
5	Cube test	Compressive strength 7 and 28 days	Adequate

5. Change in Design

1. Academic Block,2-4C(S) :
Not Change
2. Academic Block,2-6C(S) :
The block is shifted 1m back because there is no space for path way.
3. Practical Block, EMC :
Not change
4. Admin Block, 2 –AC :
Not change
5. Toilet Block, TC(M) :
As per the request of SMC, they are requesting to change the location of this block.

6. Financial Progress

Total Contract Value	NPR 56,143,741.30 (Excluding VAT)
Value of Work Till Date	NPR 10,995,659.20
Financial Progress (%)	19.58%

7. Physical Progress

Scheduled Progress (%)	16.23%
Actual Progress (%)	20.96%
Scheduled Time of Construction	60 weeks
Total Time Consumed	20 weeks
Time Elapsed (%)	33.33%

8. Contractor's Submittal

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5. Materials test report of cement, sand, aggregate and rebar.

9. Issues and Problems Facing at Site and Resolution

Firstly, the safety management is one of the major issues at site. The contractor did not provide the sufficient personal protection equipment to the labour. Secondly, especially the materials i.e. aggregate because there is no uniform size and the lab is not established at site so that they did not provide the cube test result in time.

10. Photographs of Site and Buildings

I. Site:



II. Academic Block, 2-4C(S):



Fig: Curing of first floor slab level

III. Academic Block 2-6C(S) :



Fig: Ground floor Column Work

IV. Practical Block EML :



Fig: Excavation work for foundation

V. Admin Block, 2-AC :



Fig: Stone masonry work between lower and upper tie beam

VI. Toilet Block TC(M):

Not Started Yet

11. Management Summary

According to the contract, the duration of this project is fifteen months only. However, five months has been passed and the project is still behind the schedule as per the master work schedule. Due to the insufficient and unskilled manpower as well as poor management it is very difficult to achieve the targeted goal by the contractor. From the past, we can see that they did not submit the documents in time so that important training should be given to the contractor and consultant engineers regarding the safety management and documentation work to success the project in time.

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- 1.6 Project District: Gorkha
- 1.7 Contract Package No.: ESRP/DOE/NCB/05-Gorkha-1
- 1.8 Location of Site/Name of School: Shree Sharada-SS, Khoplang-2
- 1.9 Contract Signed Date: 18 September, 2016
- 1.10 Contract Duration: 15 months
- 1.11 Date of the Start of Work: 5 November, 2016
- 1.12 Scheduled Date of Completion: 18 December, 2017
- 1.13 Total Contract Value: 31,827,779.90(Excluding VAT)
- 1.14 Contract Type: Unit Rate Contract

2. Report Date: 9 March, 2017

3. Progress and Deviation from Plan at this Report Date

As per the master work schedule submitted by the contractor the work should be completed up to plinth level of each block till now but the work progress is behind the schedule. However, the work is started in all blocks but in some block they are doing form work for first floor level.

In conclusion, it is concluded that the overall progress in this site is behind the schedule.

4. Test Metrics

The contractor submit the materials test report of cement, sand, aggregate and rebar before the construction started; the result was gratifying and the cube test results for 7 days and 28 days is also satisfying till now.

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1	Cement	Compressive strength 3 days	Adequate
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3	Aggregate	Abrasion test Sieve analysis	Adequate
4	Rebar	Tensile strength	Adequate
5	Cube test	Compressive strength 7 and 28 days	Adequate

5. Change in Design

1. Academic Block,2-4C(S) :
Not change.
2. Academic Block,2-6C(S) :
Not change
3. Practical Block, EMC:
4. Because of variation in ground level, the shear wall design is done for foundation.
5. Toilet Block,TC(S):
Not started yet.

6. Financial Progress

Total Contract Value	NPR 31,827,779.90 (Excluding VAT)
Value of Work Till Date	NPR 4,248,218.00
Financial Progress (%)	13.34%

7. Physical Progress

Scheduled Progress (%)	15.57%
Actual Progress (%)	14.89%
Scheduled Time of Construction	60 weeks
Total Time Consumed	20 weeks
Time Elapsed (%)	33.33%

8. Contractor's Submittal

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Firstly, the safety management is one of the major issues at site. The contractor did not provide the sufficient personal protection equipment to the labour. Secondly, especially the materials i.e. aggregate because there is no uniform size. And the lab is not established at site so that they did not provide the cube test result in time.

10. Photographs of Site and Buildings

I. Site:



II. Academic Block 2-4C(S)



Fig: Form work for first floor level

III. Academic Block, 2-6C(S):



Fig: Curing of ground floor column

IV. Practical Block, EMC:



Fig: Excavation work for lower tie beam

- V. Toilet Block,TC(M):
Not Started Yet.

11. Management Summary

According to the contract, the duration of this project is fifteen months only. However, five months has been passed and the project is behind the schedule as per the master work schedule. Due to the insufficient and unskilled manpower as well as poor management it is very difficult to achieve the targeted goal by the contractor. From the past, we can see that the contractor did not submit the require documents in time. In contrast, important training should be given to the contractor and consultant engineers regarding the safety management, documentation work and quality management to finish the project in time.

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