SEISMIC RETROFITTING

OF

TRI- NAGAR HIGHER SECONDARY SCHOOL BUILDING

AT

DHANAGADHI MUNICIPALITY, KAILALI, NEPAL

Progress Report No. 2

(From 16th December to 15th January 2010)

Client:

UNDP/ ERRRP Project

Department of Urban Development and Building Construction

Babarmahal, Kathmandu, Nepal

Consultant:

MRB & Associates

Seto Durbar, Jamal, Kathmandu

Contractor:

Lohani and Brothers Pvt. Ltd.

Kathmandu-14, Kalanki

1. Introduction:

Earthquake Risk Reduction and Recovery Preparedness Programme for Nepal (UNDP/ ERRRP PROJECT: NEP/07/010) has appointed MRB and Associates, Kathmandu to provide supervision works for the Seismic Retrofitting of Tri- Nagar Higher Secondary School Building of Dhangadhi Municipality, Kailali. Tenders were invited for the retrofitting works and the Project was awarded to Lohani and Brothers Pvt. Ltd. The total amount of the contract is NRs. 3,918,685.19 (Nepali Rupees: three million nine hundred eighteen thousand six hundred eighty five and paisa nineteen only), including VAT.

2. Commencement of Work:

The Contractor has started work at the site from 20th November, 2009.

3. Description of Works:

The brief description of works may be summarized below:

A) Dismantle Works

B) New construction Works

4. Progress of work from 16th December 2009 to 15th January 2010

Item No.	Description of Works
A.	**DISMANTLING/ REMOVING/ STORING/ DISPOSING WORKS**
2.0	**CEMENT FLOORING**
	Flooring with its component like PCC, brick soling has already been dismantled in the required places only.
PLASTER WORK	
	All plaster on inner and external surfaces has already been removed.
6.0	**SITE CLEARANCE**
	Site has been cleared off all unuseful materials, dismantled plaster and flooring materials.

B. NEW CONSTRUCTION WORKS

1.0 EARTHWORK IN EXCAVATION

Earth work in excavation for tie beams has been already been completed.

2.0 BRICK SOLING

2.1 FLAT BRICK SOLING

Compaction and Brick soling has been completed in foundation excavated for the casting of tie beams.

3.0 PLAIN CEMENT CONCRETE

3.1 P.C.C. (1:3:6)

P.C.C (1: 3: 6) of 4" thickness has already been completed in foundation excavated for the casting of tie beams.

4.0 REINFORCED CEMENT CONCRETE WORK

4.1 P.C.C. FOR R.C.C. WORKS (M20 GRADE)

Casting of tie beam with P.C.C (1:1.5:3) of grade M20 has been completed at both internal and external sides of the Building.

4.2 FORMWORK

Formwork was provided for casting of tie beam and removed after final setting time.

4.3 STEEL REINFORCEMENT BAR

Steel reinforcement works for tie beam have already been completed. Reinforcement for splints and bandage is in progress.

5.0 MICRO CONCRETE (M20 GRADE)

Micro Concrete for splints have been completed upto ground level in the external and internal faces of Building as well as upto lintel level in the north face of the Building.

Also Micro Concrete work for bandage at sill and lintel levels have been completed in the south face of the Building .

6.0 FIXING STITCHING BARS

Fixing stitching bars of 8mm dia for the splints has been completed.

10.0 PROVIDING NEW DOORS AND WINDOWS

8 nos. of new windows have been fitted.

5. Dumping of Construction Materials:

List of Construction Materials dumped at the site is as follows:-

i.	Cement	- 290 bags
ii.	Sand	- 1100 cu.ft.
iii.	Aggregate	- 700 cu.ft.
iv.	Reinforcement bars	- 5.0 mt
v.	Bricks	- 2500 nos.

6.0 Note:

The construction work had been disturbed due to Kailali Band from 4th December to 8th December 2009 and Nepal Band from December 20th to 22nd December 2009 and again Kailali Band from December 23rd to December 26th 2009.

7. Photographs

Splints upto Ground Level

Window Removed for Replacement at South Face of the Building.

Micro Concrete Work of Splints and Bandage at Sill Level and Placement of New Windows

Drilling of Slab for Continuation of Reinforcement Bars for Splints