

# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project

LOCATION : Chaang Gyi Village, Labutta Township

BORING METHOD : Rotary

BORING EQUIPMENT : A II B






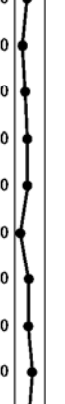

BOREHOLE NO. : BH-Chaun Gyi (Labutta)

DATE : from 21.3.09 to 22.3.09

ORIENTATION : Vertical

ELEVATION : EL

WATER LEVEL : GL - 2.80 m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM   | COLOUR                                  | SOIL NAME              | DESCRIPTION   | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m)   | STANDARD PENETRATION TEST |   |   |    |    |    | SAMPLE / TEST |            |  |           |
|-----------|---------------|-----------|---------------|---|---|------------------------|---|------------------|------------------|---|---------------------------|---|---|----|----|----|---------------|------------|--|-----------|
|           |               |           |               |   |   |                        |   |                  |                  |   | DEPTH (m)                 | BLOWS / cm  | CURVE OF BLOW ●   |    |    |    |               | METHOD     | DEPTH CL - (m)   | SCALE (m) |
|           |               |           |               |   |   |                        |   |                  |                  |   |                           |   | 0   | 10 | 20 | 30 | 40            |            |  |           |
| 1         |               |           |               |    | mottled yellowish brown and bluish gray | Very sandy CLAY        | Very soft to firm, mottled yellowish brown and bluish gray, low plastic, Very Sandy CLAY with mica fragments and root fragments and abundant decay wood fragments.  | 22.3.09          | 8.3.09           | 22.3.09   | 1.00                      | 2/30  |  |    |    |    |               |            | P1   | 1         |
| 2         |               |           | 2.00          |   |   |                        |   |                  |                  |   | 5/30                      | P2  |   |    |    |    |               |            | 2  |           |
| 3         |               |           | 3.00          |   |   |                        |   |                  |                  |   | 1/30                      | P3  |   |    |    |    |               |            | 3  |           |
| 4         |               |           | 4.00          |   |   |                        |   |                  |                  |   | 5/30                      | P4  |   |    |    |    |               |            | 4  |           |
| 5         |               |           | 5.00          |   |   |                        |   |                  |                  |   | 1/30                      | P5  |   |    |    |    |               |            | 5  |           |
| 6         |               |           | 6.00          |   |   |                        |   |                  |                  |   | 6/30                      | P6  |   |    |    |    |               |            | 6  |           |
| 7         | 7.00          | 7.00      | 7.00          |   |   |                        |   |                  |                  |   | 11/30                     | P7  |   |    |    |    |               |            | 7  |           |
| 8         |               |           |               |   | bluish gray                             | Silty SAND             | Very loose to medium dense, bluish gray, fine to medium grained, silty SAND intercalated with thin layer of clay. Decay wood fragments and mica contain abundently. | 10.0             | 112mm            | 8.00  | 2/30                      |   |   |    |    |    |               | P8         | 8  |           |
| 9         |               |           | 9.00          |   |   |                        |   |                  |                  | 1/30  | P9                        |   |   |    |    |    |               | 9          |  |           |
| 10        |               |           | 10.00         |   |   |                        |   |                  |                  | 2/30  | P10                       |   |   |    |    |    |               | 10         |  |           |
| 11        |               |           | 11.00         |   |   |                        |   |                  |                  | 2/30  | P11                       |   |   |    |    |    |               | 11         |  |           |
| 12        |               |           | 12.00         |   |   |                        |   |                  |                  | 8/30  | P12                       |   |   |    |    |    |               | 12         |  |           |
| 13        |               |           | 13.00         |   |   |                        |   |                  |                  | 18/30   | P13                       |   |   |    |    |    |               | 13         |  |           |
| 14        |               |           | 14.00         |   |   |                        |   |                  |                  | 8/30  | P14                       |   |   |    |    |    |               | 14         |  |           |
| 15        |               |           | 15.00         |   |   |                        |   |                  |                  | 5/30  | P15                       |   |   |    |    |    |               | 15         |  |           |
| 16        |               |           | 16.00         |   |   |                        |   |                  |                  | 3/30  | P16                       |   |   |    |    |    |               | 16         |  |           |
| 17        | 17.00         | 10.00     | 10.00         |   |   |                        |   |                  |                  | 4/30  | P17                       |   |   |    |    |    |               | 17         |  |           |
| 18        |               |           |               |  | bluish gray                             | Very Sandy SILT / CLAY | Very soft to firm, bluish gray, stratified, low plastic, Very Sandy SILT / CLAY with mica. Organic fragments contain minor amount.                                  | 21.5             | 21.3.09          | 18.00   | 2/30                      |  |   |    |    |    |               | P18        | 18   |           |
| 19        |               |           | 19.00         |   |   |                        |   |                  |                  | 3/30  | P19                       |   |   |    |    |    |               | 19         |  |           |
| 20        |               |           | 20.00         |   |   |                        |   |                  |                  | 4/30  | P20                       |   |   |    |    |    |               | 20         |  |           |
| 21        |               |           | 21.00         |   |   |                        |   |                  |                  | 4/30  | P21                       |   |   |    |    |    |               | 21         |  |           |
| 22        |               |           | 22.00         |   |   |                        |   |                  |                  | 2/30  | P22                       |   |   |    |    |    |               | 22         |  |           |
| 23        |               |           | 23.00         |   |   |                        |   |                  |                  | 4/30  | P23                       |   |   |    |    |    |               | 23         |  |           |
| 24        |               |           | 24.00         |   |   |                        |   |                  |                  | 4/30  | P24                       |   |   |    |    |    |               | 24         |  |           |
| 25        |               |           | 25.00         |   |   |                        |   |                  |                  | 6/30  | P25                       |   |   |    |    |    |               | 25         |  |           |
| 26        | 26.00         | 9.00      | 9.00          |   |   |                        |   |                  |                  | 5/30  | P26                       |   |   |    |    |    |               | 26         |  |           |
| 27        |               |           |               |   |   |                        |   |                  |                  |  | bluish gray               |   |   |    |    |    |               | Sandy CLAY | Firm to shiff, stratified, bluish gray, medium plastic slightly Sandy CLAY with mica flakes, abundant decomposed wood fragments and shell fragments. | 31.5      |
| 28        |               |           | 28.00         | 5/30  | P28                                     | 28                     |   |                  |                  |   |                           |   |   |    |    |    |               |            |  |           |
| 29        |               |           | 29.00         | 6/30  | P29                                     | 29                     |   |                  |                  |   |                           |   |   |    |    |    |               |            |  |           |
| 30        | 31.50         | 4.50      | 4.50          | 10/30   | P30                                     | 30                     |   |                  |                  |   |                           |   |   |    |    |    |               |            |  |           |
| 31        |               |           |               |   |   |                        |   | 22.3.09          |                  |   | 31.00                     |   |   |    |    |    |               |            |  |           |

## Rock Classification

Weathered Rock : Weathered rock with abundant fragments and soil  
Soft rock 1 : Rock with slightly abundant fragments  
Soft rock 2 : Rock in considerable fresh condition

Semi hard rock : Rock in almost fresh condition  
Hard rock : Rock in fresh condition

## NOTES



## RELATIVE DENSITY

VL Very Loose  
L Loose  
M Medium  
D Dense  
VD Very Dense

## CONSISTENCY

VS Very Soft  
S Soft  
M Medium  
St Stiff  
VSt Very Stiff  
H Hard

## SAMPLE METHOD

Undisturbed : ☐ (T: Thin wall sampler, D: Denison sampler)  
SPT : ☒  
DOUBLE CORE : ☒  
Water Sampling : ☒

## DEPTH

UPPER  
RECOVERY  
cm / cm  
LOWER

# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project  
 LOCATION : Kyar Chaung Village, Labutta Townshp  
 BORING METHOD : Rotary  
 BORING EQUIPMENT : TOHO - D2

BOREHOLE NO. : BH-Kyar Chaung (Labutta)  
 DATE : from 21.3.09 to 23.3.09  
 ORIENTATION : Vertical  
 ELEVATION : EL  
 WATER LEVEL : GL - 1.20m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR                          | SOIL NAME           | DESCRIPTION   | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m)  | STANDARD PENETRATION TEST |            |                 |      |      | SAMPLE / TEST |    | SCALE (m) |        |                |     |                |   |
|-----------|---------------|-----------|---------------|---------|---------------------------------|---------------------|---|------------------|------------------|--|---------------------------|------------|-----------------|------|------|---------------|----|-----------|--------|----------------|-----|----------------|---|
|           |               |           |               |         |                                 |                     |   |                  |                  |  | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW ● |      |      |               |    |           | METHOD | DEPTH CL - (m) |     |                |   |
|           |               |           |               |         |                                 |                     |   |                  |                  |  |                           |            | 0               | 10   | 20   | 30            | 40 |           |        |                | 50  |                |   |
| 1         |               |           |               |         | yellowish brown & greenish gray | CLAY                | Very soft, mottled yellowish brown and bluish gray, medium plastic, slightly Sandy CLAY with abundant organic matters.        | 5.50<br>21.3.09  | 5.00<br>112mm    | 0.80   |                           |            |                 |      |      |               |    | P1        |        | 1              |     |                |   |
| 2         |               | 2.00      | 2.00          |         |                                 |                     |   |                  |                  |  | 21.3.09                   | 1.20       | 1.00            | 2/30 |      |               |    |           |        |                | UD1 | 2.00m          | 2 |
| 3         |               |           |               |         | greenish gray                   | Slightly Silty SAND |   |                  |                  | Very loose to loose, greenish gray, fine to medium grained, slightly Silty SAND with abundant organic matter and mica flakes. Clay patches contained in basal portion of this layer. |                           |            | 23.3.09         | 1.65 | 2.00 |               |    |           |        |                | P2  | 2.80m<br>70/80 | 3 |
| 4         |               |           |               |         |                                 |                     |   | 22.3.09          | 1.65             |  | 3.00                      | 7/30       |                 |      |      |               |    |           | P3     |                | 4   |                |   |
| 5         |               |           |               |         |                                 |                     |   |                  |                  |  | 4.00                      | 8/30       |                 |      |      |               |    |           | P4     |                | 5   |                |   |
| 6         |               |           |               |         |                                 |                     |   |                  |                  | 5.00   | 5/30                      |            |                 |      |      |               |    | P5        |        | 6              |     |                |   |
| 7         |               | 7.00      | 5.00          |         |                                 |                     |   |                  |                  | 6.00   | 8/30                      |            |                 |      |      |               |    | P6        |        | 7              |     |                |   |
| 8         |               |           |               |         | greenish gray                   | Sandy SILT / CLAY   | Very soft, greenish gray, low plastic very Sandy CLAY, intercalated with sand layers. Decomposed wood fragments are observed. |                  |                  | 7.00   | 3/30                      |            |                 |      |      |               |    | P7        |        | 8              |     |                |   |
| 9         |               |           |               |         |                                 |                     |   |                  |                  |  | 8.00                      | 2/30       |                 |      |      |               |    |           | UD2    | 9.00m          | 9   |                |   |
| 10        |               | 10.00     | 3.00          |         |                                 |                     |   |                  |                  |  | 9.00                      |            |                 |      |      |               |    |           | P8     | 9.80m<br>60/80 | 10  |                |   |
| 11        |               |           |               |         |                                 |                     |   |                  |                  | 10.00  | 13/30                     |            |                 |      |      |               |    | P9        |        | 11             |     |                |   |
| 12        |               |           |               |         | greenish gray                   | Silty SAND          | Loose to medium dense, greenish gray, fine grained, Silty SAND with mica flakes and shell fragments.                          |                  |                  | 11.00  | 7/30                      |            |                 |      |      |               |    | P10       |        | 12             |     |                |   |
| 13        |               |           |               |         |                                 |                     |   |                  |                  |  | 12.00                     | 6/30       |                 |      |      |               |    |           | P11    |                | 13  |                |   |
| 14        |               |           |               |         |                                 |                     |   |                  |                  |  | 13.00                     | 7/30       |                 |      |      |               |    |           | P12    |                | 14  |                |   |
| 15        |               | 15.00     | 5.00          |         |                                 |                     |   |                  |                  | 14.00  | 5/30                      |            |                 |      |      |               |    | P13       |        | 15             |     |                |   |
| 16        |               |           |               |         | bluish gray                     | Very Sandy CLAY     | Very soft, bluish gray, low plastic, Very Sandy CLAY with abundant shell fragments.   |                  |                  | 15.00  | 4/30                      |            |                 |      |      |               |    | P14       |        | 16             |     |                |   |
| 17        |               | 17.00     | 2.00          |         |                                 |                     |   |                  |                  |  | 16.00                     | 4/30       |                 |      |      |               |    |           | P15    |                | 17  |                |   |
| 18        |               |           |               |         |                                 |                     |   |                  |                  |  | 17.00                     | 11/30      |                 |      |      |               |    |           | P16    |                | 18  |                |   |
| 19        |               |           |               |         |                                 |                     |   |                  |                  | 18.00  | 14/30                     |            |                 |      |      |               |    | P17       |        | 19             |     |                |   |
| 20        |               |           |               |         |                                 |                     |   |                  |                  | 19.00  | 23/30                     |            |                 |      |      |               |    | P18       |        | 20             |     |                |   |
| 21        |               |           |               |         |                                 |                     |   |                  |                  | 20.00  | 15/30                     |            |                 |      |      |               |    | P19       |        | 21             |     |                |   |
| 22        |               |           |               |         | greenish gray                   | Very Silty SAND     | Loose to dense, greenish gray, fine grained, Very Silty SAND with abundant mica flakes and shell fragments.                   |                  |                  | 21.00  | 7/30                      |            |                 |      |      |               |    | P20       |        | 22             |     |                |   |
| 23        |               |           |               |         |                                 |                     |   |                  |                  |  | 22.00                     | 11/30      |                 |      |      |               |    |           | P21    |                | 23  |                |   |
| 24        |               |           |               |         |                                 |                     |   |                  |                  |  | 23.00                     | 15/30      |                 |      |      |               |    |           | P22    |                | 24  |                |   |
| 25        |               |           |               |         |                                 |                     |   |                  |                  | 24.00  | 19/30                     |            |                 |      |      |               |    | P23       |        | 25             |     |                |   |
| 26        |               |           |               |         |                                 |                     |   |                  |                  | 25.00  | 35/30                     |            |                 |      |      |               |    | P24       |        | 26             |     |                |   |
| 27        |               |           |               |         |                                 |                     |   | 26.50<br>22.3.09 |                  | 26.00  | 20/30                     |            |                 |      |      |               |    | P25       |        | 27             |     |                |   |
| 28        |               |           |               |         |                                 |                     |   |                  |                  | 27.00  | 40/30                     |            |                 |      |      |               |    | P26       |        | 28             |     |                |   |
| 29        |               | 29.00     | 12.00         |         |                                 |                     |   |                  |                  | 28.00  | 14/30                     |            |                 |      |      |               |    | P27       |        | 29             |     |                |   |
| 30        |               |           |               |         | bluish gray                     | Clayey SAND         | Loose to medium dense, bluish gray, fine grained, Clayey SAND with shell fragments.   |                  |                  | 29.00  | 7/30                      |            |                 |      |      |               |    | P28       |        | 30             |     |                |   |
| 31        |               | 30.50     | 2.50          |         |                                 |                     |   |                  | 30.50<br>23.3.09 |  | 30.00                     | 15/30      |                 |      |      |               |    |           |        |                | 31  |                |   |

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 Soft rock 1 : Rock with slightly abundant fragments  
 Soft rock 2 : Rock in considerable fresh condition

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## NOTES



## RELATIVE DENSITY

VL Very Loose  
 L Loose  
 M Medium  
 D Dense  
 VD Very Dense

## CONSISTENCY

VS Very Soft  
 S Soft  
 M Medium  
 St Stiff  
 VSr Very Stiff  
 H Hard

## SAMPLE METHOD

Undisturbed : ☐ (T: Thin wall sampler, D: Denison sampler)  
 SPT : ☒  
 DOUBLE CORE : ☒  
 Water Sampling : ☒

## DEPTH

UPPER  
 RECOVERY  
 LOWER

# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project

LOCATION : Tha Pyay Chaing Village, Labutta Township

BORING METHOD : Rotary

BORING EQUIPMENT : TOHO - D1

BOREHOLE NO. : BH-Tha Pyay Chaing (Labutta)

DATE : from 17.3.09 to 18.3.09

ORIENTATION : Vertical

ELEVATION : EL-

WATER LEVEL : GL - 1.18m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR            | SOIL NAME                | DESCRIPTION   | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m) | STANDARD PENETRATION TEST |            |                 |    |     |       | SAMPLE / TEST  |        | SCALE (m) |                |
|-----------|---------------|-----------|---------------|---------|-------------------|--------------------------|---|------------------|------------------|-----------------|---------------------------|------------|-----------------|----|-----|-------|----------------|--------|-----------|----------------|
|           |               |           |               |         |                   |                          |   |                  |                  |                 | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW ● |    |     |       |                | METHOD |           | DEPTH CL - (m) |
|           |               |           |               |         |                   |                          |   |                  |                  |                 |                           |            | 0               | 10 | 20  | 30    | 40             |        |           |                |
| 1         |               | 1.30      | 1.30          |         | light gray        | Sandy SILT               | Very soft, light gray, slightly Sandy SILT with decay wood fragments  |                  |                  | 1.18<br>183.09  | 1.00                      | 0/30       |                 |    |     | P1    |                | 1      |           |                |
| 2         |               |           |               |         | light bluish gray | SILT/CLAY                | Very soft, light bluish gray, low to medium plastic SILT/CLAY with a trace of decay wood fragments and mica flakes  |                  |                  | 1.50<br>173.09  | 2.00                      |            |                 |    |     | UD1   | 2.00m          | 2      |           |                |
| 3         |               | 2.70      | 1.40          |         | greenish gray     | Silty SAND               |   |                  |                  |                 | 3.00                      | 2/30       |                 |    |     | P2    | 2.80m<br>70/80 | 3      |           |                |
| 4         |               |           |               |         |                   |                          |   |                  |                  |                 |                           | 4.00       | 9/30            |    |     |       | P3             |        | 4         |                |
| 5         |               |           |               |         |                   |                          | Very loose to medium dense, greenish gray, fine to medium grained, slightly Silty SAND with a trace of mica flakes and decay wood   |                  |                  |                 | 5.00                      | 10/30      |                 |    |     | P4    |                | 5      |           |                |
| 6         |               | 6.40      | 3.70          |         |                   |                          |   |                  |                  | 6.00            | 2/30                      |            |                 |    | P5  |       | 6              |        |           |                |
| 7         |               |           |               |         | bluish gray       | SILT/CLAY                |   |                  |                  | 7.00<br>112mm   | 7.00                      |            |                 |    | UD2 | 7.00m | 7              |        |           |                |
| 8         |               | 8.25      | 1.85          |         | greenish gray     | Silty SAND to SAND       | Loose to medium dense, greenish gray fine to medium grained, slightly Silty SAND to SAND with a trace of mica flakes. Clay with decay wood are interstratified within these layer |                  |                  |                 | 8.00                      | 12/30      |                 |    |     | P6    | 7.80m<br>70/80 | 8      |           |                |
| 9         |               |           |               |         |                   |                          |   |                  |                  |                 |                           | 9.00       | 17/30           |    |     |       | P7             |        | 9         |                |
| 10        |               |           |               |         |                   |                          |   |                  |                  |                 |                           | 10.00      | 8/30            |    |     |       | P8             |        | 10        |                |
| 11        |               |           |               |         |                   |                          | Soft to stiff, stratified, bluish gray, low to medium plastic, slightly to very Sandy SILT/CLAY with a trace of mica flakes and occasional shell fragments                        |                  |                  |                 | 11.00                     | 28/30      |                 |    |     | P9    |                | 11     |           |                |
| 12        |               | 12.40     | 4.15          |         | bluish gray       | Sandy SILT/CLAY          |   |                  |                  |                 | 12.00                     | 6/30       |                 |    |     | P10   |                | 12     |           |                |
| 13        |               |           |               |         |                   |                          |   |                  |                  |                 |                           | 13.00      | 9/30            |    |     |       | P11            |        | 13        |                |
| 14        |               |           |               |         |                   |                          |   |                  |                  |                 | 14.00                     | 5/30       |                 |    |     | P12   |                | 14     |           |                |
| 15        |               |           |               |         |                   |                          | Medium dense to dense, greenish gray, fine grained, very Silty SAND with a trace of mica flakes and shells  |                  |                  |                 | 15.00                     | 13/30      |                 |    |     | P13   |                | 15     |           |                |
| 16        |               |           |               |         |                   |                          |   |                  |                  | 16.00           | 11/30                     |            |                 |    | P14 |       | 16             |        |           |                |
| 17        |               |           |               |         | greenish gray     | Silty SAND               |   |                  |                  | 20.00<br>173.09 | 17.00                     | 17/30      |                 |    |     | P15   |                | 17     |           |                |
| 18        |               |           |               |         |                   |                          | Soft to stiff, bluish gray, low to medium plastic, slightly Sandy to Sandy SILT / CLAY with a trace of mica flakes and occasional shell fragments. Sample loss in P-24.           |                  |                  |                 | 18.00                     | 19/30      |                 |    |     | P16   |                | 18     |           |                |
| 19        |               | 19.00     | 6.60          |         |                   |                          |   |                  |                  |                 | 19.00                     | 49/30      |                 |    |     | P17   |                | 19     |           |                |
| 20        |               |           |               |         | greenish gray     | Silty SAND               |   |                  |                  |                 | 20.00                     | 22/30      |                 |    |     | P18   |                | 20     |           |                |
| 21        |               | 21.00     | 2.00          |         | bluish gray       | Slightly Sandy SILT/CLAY |   |                  |                  | 21.00           | 10/30                     |            |                 |    | P19 |       | 21             |        |           |                |
| 22        |               |           |               |         |                   |                          |   |                  |                  |                 | 22.00                     | 5/30       |                 |    |     | P20   |                | 22     |           |                |
| 23        |               |           |               |         |                   |                          |   |                  |                  |                 | 23.00                     | 4/30       |                 |    |     | P21   |                | 23     |           |                |
| 24        |               |           |               |         |                   |                          | Soft to stiff, bluish gray, low to medium plastic, slightly Sandy to Sandy SILT / CLAY with a trace of mica flakes and occasional shell fragments. Sample loss in P-24.           |                  |                  |                 | 24.00                     | 4/30       |                 |    |     | P22   |                | 24     |           |                |
| 25        |               |           |               |         |                   |                          |   |                  |                  | 25.00           | 5/30                      |            |                 |    | P23 |       | 25             |        |           |                |
| 26        |               |           |               |         |                   |                          |   |                  |                  | 26.00           | 10/30                     |            |                 |    | P24 |       | 26             |        |           |                |
| 27        |               |           |               |         |                   |                          | Sample loss in P-24.  |                  |                  |                 | 27.00                     | 5/30       |                 |    |     | P25   |                | 27     |           |                |
| 28        |               |           |               |         |                   |                          |   |                  |                  | 28.00           | 4/30                      |            |                 |    | P26 |       | 28             |        |           |                |
| 29        |               |           |               |         |                   |                          |   |                  |                  | 29.00           | 4/30                      |            |                 |    | P27 |       | 29             |        |           |                |
| 30        |               | 30.50     | 1.50          |         |                   |                          |   | 30.50<br>183.09  |                  |                 | 30.00                     | 4/30       |                 |    |     | P28   |                | 30     |           |                |
| 31        |               |           |               |         |                   |                          |   |                  |                  |                 | 31.00                     |            |                 |    |     |       |                | 31     |           |                |

## Rock Classification

Weathered Rock : Weathered rock with abundant fragments and soil  
Soft rock 1 : Rock with slightly abundant fragments  
Soft rock 2 : Rock in considerable fresh condition

Semi hard rock : Rock in almost fresh condition  
Hard rock : Rock in fresh condition

## NOTES



## RELATIVE DENSITY

VL Very Loose  
L Loose  
M Medium  
D Dense  
VD Very Dense

## CONSISTENCY

VS Very Soft  
S Soft  
M Medium  
St Stiff  
VSt Very Stiff  
H Hard

## SAMPLE METHOD

Undisturbed : ☐ (T: Thin wall sampler, D: Denison sampler)  
SPT : ☒  
DOUBLE CORE : ☒  
Water Sampling : ☒

## DEPTH

UPPER  
RECOVERY  
cm / cm  
LOWER

# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project

LOCATION : Ka Tha Hmyin Village , Bogale Township

BORING METHOD : Rotary

BORING EQUIPMENT : TOHO - D1

BOREHOLE NO. : BH-Ka Tha Hmyin (Bogale)

DATE : from 8.3.09 to 10.3.09

ORIENTATION : Vertical

ELEVATION : EL-

WATER LEVEL : GL - 0.36m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR                       | SOIL NAME       | DESCRIPTION  | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m) | STANDARD PENETRATION TEST |            |                 |    |    |    | SAMPLE / TEST |        | SCALE (m) |                |    |    |  |  |   |   |    |
|-----------|---------------|-----------|---------------|---------|------------------------------|-----------------|--|------------------|------------------|-----------------|---------------------------|------------|-----------------|----|----|----|---------------|--------|-----------|----------------|----|----|--|--|---|---|----|
|           |               |           |               |         |                              |                 |  |                  |                  |                 | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW ● |    |    |    |               | METHOD |           | DEPTH CL - (m) |    |    |  |  |   |   |    |
|           |               |           |               |         |                              |                 |  |                  |                  |                 |                           |            | 0               | 10 | 20 | 30 | 40            |        |           |                | 50 |    |  |  |   |   |    |
| 1         |               |           |               | X       | bluish gray                  | SILT/CLAY       | very soft , bluish gray, high plasticity CLAY to SILT / CLAY with organic matter of decomposed wood and plant  |                  |                  | 0.36            |                           |            |                 |    |    |    |               |        | P1        |                | 1  |    |  |  |   |   |    |
| 2         |               |           |               | X       |                              |                 |  |                  |                  | 10.3.09         | 1.00                      | 0/30       |                 |    |    |    |               |        |           |                |    |    |  |  | 1 |   |    |
| 3         |               |           |               | X       |                              |                 |  |                  |                  | 0.93            |                           |            |                 |    |    |    |               |        |           |                |    |    |  |  |   | 2 |    |
| 4         |               |           |               | X       |                              |                 |  |                  |                  | 8.3.09          | 2.00                      |            |                 |    |    |    |               |        |           |                |    |    |  |  |   | 2 |    |
| 5         |               | 4.30      | 4.30          | X       |                              |                 |  |                  | 4.0              | 112mm           | 1.93                      |            |                 |    |    |    |               |        |           |                |    | 2  |  |  |   |   |    |
| 6         |               |           |               | X       |                              |                 |  |                  |                  |                 | 9.3.09                    | 3.00       | 1/30            |    |    |    |               |        |           |                |    |    |  |  |   |   | 3  |
| 7         |               |           |               | X       |                              |                 |  |                  |                  |                 |                           | 4.00       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 4  |
| 8         |               |           |               | X       |                              |                 |  |                  |                  |                 |                           | UD2        | 4.00m           |    |    |    |               |        |           |                |    |    |  |  |   |   | 4  |
| 9         |               | 6.00      | 1.70          | X       | greenish gray                | silty SAND      | very loose , greenish gray fine to medium grained silty SAND   |                  |                  |                 | 5.00                      | 1/30       |                 |    |    |    |               |        |           |                |    | 5  |  |  |   |   |    |
| 10        |               |           |               | X       |                              |                 |  |                  |                  |                 | 6.00                      | 6/30       |                 |    |    |    |               |        |           |                |    | 5  |  |  |   |   |    |
| 11        |               |           |               | X       |                              |                 |  |                  |                  |                 | 6.00                      |            |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 6  |
| 12        |               |           |               | X       |                              |                 |  |                  |                  |                 | 7.00                      | 1/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 7  |
| 13        |               |           |               | X       |                              |                 |  |                  |                  |                 | 7.00                      | 5/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 8  |
| 14        |               |           |               | X       | bluish gray to greenish gray | sandy CLAY      | very soft to firm , bluish gray to greenish gray , high plasticity sandy CLAY.SAND pocket layer comprising rare shell fragment and thin limination of CLAY are found between the depth of ( 7.0 ~ 7.45 ) m | 8.3.09           | 9.00             |                 | 8.00                      | 5/30       |                 |    |    |    |               |        |           |                |    | 8  |  |  |   |   |    |
| 15        |               |           |               | X       |                              |                 |  |                  |                  |                 | 9.00                      | 3/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 9  |
| 16        |               |           |               | X       |                              |                 |  |                  |                  |                 | 10.00                     | 2/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 10 |
| 17        |               |           |               | X       |                              |                 |  |                  |                  |                 | 10.0                      | 1/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 11 |
| 18        |               |           |               | X       |                              |                 |  |                  |                  |                 | 11.00                     | 1/30       |                 |    |    |    |               |        |           |                |    | 11 |  |  |   |   |    |
| 19        |               |           |               | X       |                              |                 |  |                  |                  |                 | 12.00                     | 2/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 12 |
| 20        |               |           |               | X       |                              |                 |  |                  |                  |                 | 13.00                     | 16/30      |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 13 |
| 21        |               |           |               | X       |                              |                 |  |                  |                  |                 | 13.00                     |            |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 13 |
| 22        |               | 14.34     | 1.34          | X       | greenish gray                | very silty SAND | very loose to medium dense , thinly liminated , greenish gray low plastic,very silty SAND  |                  |                  |                 | 14.00                     | 3/30       |                 |    |    |    |               |        |           |                |    | 14 |  |  |   |   |    |
| 23        |               |           |               | X       |                              |                 |  |                  |                  |                 | 15.00                     | 8/30       |                 |    |    |    |               |        |           |                |    | 15 |  |  |   |   |    |
| 24        |               |           |               | X       |                              |                 |  |                  |                  |                 | 16.00                     | 12/30      |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 16 |
| 25        |               |           |               | X       |                              |                 |  |                  |                  |                 | 17.00                     | 8/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 17 |
| 26        |               |           |               | X       |                              |                 |  |                  |                  |                 | 18.00                     | 5/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 18 |
| 27        |               |           |               | X       | greenish gray                | sandy SILT      | firm to stiff , greenish gray low plastic, slightly sandy to sandy SILT  |                  |                  |                 | 19.00                     | 3/30       |                 |    |    |    |               |        |           |                |    | 19 |  |  |   |   |    |
| 28        |               |           |               | X       |                              |                 |  |                  |                  |                 | 20.00                     | 4/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 20 |
| 29        |               |           |               | X       |                              |                 |  |                  |                  |                 | 21.00                     | 5/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 21 |
| 30        |               |           |               | X       |                              |                 |  |                  |                  |                 | 22.00                     | 4/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 22 |
| 31        |               |           |               | X       |                              |                 |  |                  |                  |                 | 23.00                     | 4/30       |                 |    |    |    |               |        |           |                |    | 23 |  |  |   |   |    |
| 32        |               |           |               | X       |                              |                 |  |                  |                  |                 | 24.00                     | 3/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 24 |
| 33        |               |           |               | X       |                              |                 |  |                  |                  |                 | 25.00                     | 7/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 25 |
| 34        |               |           |               | X       |                              |                 |  |                  |                  |                 | 26.00                     | 2/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 26 |
| 35        |               |           |               | X       | bluish gray to greenish gray | SILT/CLAY       | soft to firm, thinly to thickly liminated , bluish gray to greenish gray, low to medium plasticity SILT/CLAY with minor shell fragment and mica  |                  |                  |                 | 27.00                     | 4/30       |                 |    |    |    |               |        |           |                |    | 27 |  |  |   |   |    |
| 36        |               |           |               | X       |                              |                 |  |                  |                  |                 | 28.00                     | 3/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 28 |
| 37        |               |           |               | X       |                              |                 |  |                  |                  |                 | 29.00                     | 4/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 29 |
| 38        |               |           |               | X       |                              |                 |  |                  |                  |                 | 30.00                     | 4/30       |                 |    |    |    |               |        |           |                |    |    |  |  |   |   | 30 |
| 39        |               | 30.45     | 11.45         | X       |                              |                 |  | 10.3.09          | 30.0             |                 | 31.00                     |            |                 |    |    |    |               |        |           |                |    | 31 |  |  |   |   |    |

## Rock Classification

Weathered Rock : Weathered rock with abundant fragments and soil

Soft rock 1 : Rock with slightly abundant fragments

Soft rock 2 : Rock in considerable fresh condition

Semi hard rock

: Rock in almost fresh condition

Hard rock

: Rock in fresh condition

## NOTES



## RELATIVE DENSITY

VL Very Loose  
L Loose  
M Medium  
D Dense  
VD Very Dense

## CONSISTENCY

VS Very Soft  
S Soft  
M Medium  
St Stiff  
VSt Very Stiff  
H Hard

## SAMPLE METHOD

Undisturbed : (T:Thin wall sampler, D:Denison sampler)

SPT :

DOUBLE CORE :

Water Sampling :

(T:Thin wall sampler, D:Denison sampler)

SINGLE CORE :

## DEPTH

UPPER

RECOVERY cm / cm

LOWER

# **FIELD BORING LOG**

PROJECT NAME : School Cum Cyclone Shelter Project  
 LOCATION : Htaung Paing Village, Bogale Township  
 BORING METHOD : Rotary  
 BORING EQUIPMENT : TOHO - D2

BOREHOLE NO. : Htaung Paing Village (Bogale)  
 DATE : from 3.5.09 to 4.5.09  
 ORIENTATION : Vertical  
 ELEVATION : 1.860m  
 WATER LEVEL : GL - 1.85 m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR      | SOIL NAME   | DESCRIPTION   | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m) | STANDARD PENETRATION TEST |            |               |    |    |    | SAMPLE / TEST |        | SCALE (m)      |                |
|-----------|---------------|-----------|---------------|---------|-------------|-------------|---|------------------|------------------|-----------------|---------------------------|------------|---------------|----|----|----|---------------|--------|----------------|----------------|
|           |               |           |               |         |             |             |   |                  |                  |                 | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW |    |    |    |               | METHOD |                | DEPTH GL - (m) |
|           |               |           |               |         |             |             |   |                  |                  |                 |                           |            | 0             | 10 | 20 | 30 | 40            |        |                |                |
| 1         |               |           |               |         |             |             |   |                  | 1.0              | 0.75            |                           |            |               |    |    |    |               |        |                |                |
| 2         |               |           |               |         | bluish gray | Clay        | Very soft to soft , mottled yellowish brown and bluish grey, low to high plastic, CLAY with micas.  |                  | 112mm            | 4.5.09          | 1.00                      | 5/30       |               |    |    |    |               | P1     |                |                |
| 3         |               |           |               |         |             |             |   |                  |                  |                 | 2.0                       | 2/30       |               |    |    |    |               | P2     |                |                |
| 4         |               |           |               |         |             |             |   |                  |                  |                 | 3.5.09                    |            |               |    |    |    |               | U1     | 3.00m          |                |
| 5         |               | 5.00      | 5.00          |         |             |             |   |                  |                  |                 | 2.80                      | 3.00       |               |    |    |    |               | P3     | 3.80m<br>80/80 |                |
| 6         |               |           |               |         |             |             |   |                  |                  |                 | 4.5.09                    | 4.00       | 1/30          |    |    |    |               | P4     |                |                |
| 7         |               |           |               |         |             |             |   |                  |                  |                 |                           | 5.00       | 0/30          |    |    |    |               | P5     |                |                |
| 8         |               |           |               |         |             |             |   |                  |                  |                 |                           | 6.00       |               |    |    |    |               | U2     | 6.00m          |                |
| 9         |               |           |               |         | bluish gray | Sandy CLAY  | Very soft to soft, laminated, bluish grey, high plastic, Sandy CLAY, with mica flakes, shell fragments and organic matter, sand content increased downward. |                  |                  |                 |                           | 7.00       | 1/30          |    |    |    |               | P6     | 6.80m<br>80/80 |                |
| 10        |               |           |               |         |             |             |   |                  |                  |                 |                           | 8.00       | 2/30          |    |    |    |               | P7     |                |                |
| 11        |               |           |               |         |             |             |   |                  |                  |                 |                           | 9.00       | 2/30          |    |    |    |               | P8     |                |                |
| 12        |               | 12.00     | 7.00          |         |             |             |   |                  |                  |                 |                           | 10.00      | 2/30          |    |    |    |               | P9     |                |                |
| 13        |               |           |               |         |             |             |   |                  |                  |                 |                           | 11.00      | 1/30          |    |    |    |               | P10    |                |                |
| 14        |               |           |               |         | bluish gray | SAND        | Loose to medium dense, bluish grey, fine grained SAND with mica flakes.   |                  |                  |                 |                           | 12.00      | 3/30          |    |    |    |               | P11    |                |                |
| 15        |               | 15.00     | 3.00          |         |             |             |   |                  |                  |                 |                           | 13.00      | 8/30          |    |    |    |               | P12    |                |                |
| 16        |               |           |               |         |             |             |   |                  |                  |                 |                           | 14.00      | 11/30         |    |    |    |               | P13    |                |                |
| 17        |               | 17.00     | 2.00          |         | bluish gray | Clayey SAND | Loose to medium dense, bluish grey, Clayey SAND with mica flakes and organic matter.  |                  |                  |                 |                           | 15.00      | 14/30         |    |    |    |               | P14    |                |                |
| 18        |               |           |               |         |             |             |   |                  |                  |                 |                           | 16.00      | 8/30          |    |    |    |               | P15    |                |                |
| 19        |               |           |               |         |             |             |   |                  |                  |                 |                           | 17.00      | 4/30          |    |    |    |               | P16    |                |                |
| 20        |               |           |               |         |             |             |   |                  |                  |                 |                           | 18.00      | 3/30          |    |    |    |               | P17    |                |                |
| 21        |               |           |               |         |             |             |   |                  |                  |                 |                           | 19.00      | 3/30          |    |    |    |               | P18    |                |                |
| 22        |               |           |               |         |             |             |   |                  |                  |                 |                           | 20.00      | 2/30          |    |    |    |               | P19    |                |                |
| 23        |               |           |               |         |             |             |   |                  |                  |                 |                           | 21.00      | 3/30          |    |    |    |               | P20    |                |                |
| 24        |               |           |               |         |             |             |   |                  |                  |                 |                           | 22.00      | 3/30          |    |    |    |               | P21    |                |                |
| 25        |               |           |               |         |             |             |   |                  |                  |                 |                           | 23.00      | 3/30          |    |    |    |               | P22    |                |                |
| 26        |               |           |               |         |             |             |   |                  |                  |                 |                           | 24.00      | 3/30          |    |    |    |               | P23    |                |                |
| 27        |               |           |               |         |             |             |   |                  |                  |                 |                           | 25.00      | 4/30          |    |    |    |               | P24    |                |                |
| 28        |               |           |               |         |             |             |   |                  |                  |                 |                           | 26.00      | 4/30          |    |    |    |               | P25    |                |                |
| 29        |               |           |               |         |             |             |   |                  |                  |                 |                           | 27.00      | 4/30          |    |    |    |               | P26    |                |                |
| 30        |               | 30.50     | 13.50         |         |             |             |   |                  |                  |                 |                           | 28.00      | 4/30          |    |    |    |               | P27    |                |                |
| 31        |               |           |               |         |             |             |   |                  |                  |                 |                           | 29.00      | 5/30          |    |    |    |               | P28    |                |                |
|           |               |           |               |         |             |             |   |                  |                  |                 |                           | 30.00      | 4/30          |    |    |    |               |        |                |                |
|           |               |           |               |         |             |             |   |                  |                  |                 |                           | 31.00      |               |    |    |    |               |        |                |                |

## **Rock Classification**

Weathered Rock : Weathered rock with abundant fragments and soil  
 Soft rock 1 : Rock with slightly abundant fragments  
 Soft rock 2 : Rock in considerable fresh condition

Semi hard rock : Rock in almost fresh condition  
 Hard rock : Rock in fresh condition

## **NOTES**



## **RELATIVE DENSITY**

VL Very Loose  
 L Loose  
 M Medium  
 D Dense  
 VD Very Dense

## **CONSISTENCY**

VS Very Soft  
 S Soft  
 M Medium  
 St Stiff  
 VSt Very Stiff  
 H Hard

## **SAMPLE METHOD**

Undisturbed : (T: Thin wall sampler, D: Denison sampler)  
 S P T :   
 DOUBLE CORE : SINGLE CORE :   
 Water Sampling :

## **DEPTH**

UPPER  
 RECOVERY cm / cm  
 LOWER



# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project

LOCATION : T1 Tant Village, Bogale Township Ayeyawaddy Division

BORING METHOD : Rotary

BORING EQUIPMENT : TONE

BOREHOLE NO. : BH-T1 Tant(Bogale)

DATE : from 8.3.09 to 10.3.09

ORIENTATION : Vertical

ELEVATION : EL-

WATER LEVEL : GL - 1.4 m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR                         | SOIL NAME   | DESCRIPTION  | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m) | STANDARD PENETRATION TEST |            |               |    |    |    |    | SAMPLE / TEST |                | SCALE (m) |      |     |       |
|-----------|---------------|-----------|---------------|---------|--------------------------------|-------------|--|------------------|------------------|-----------------|---------------------------|------------|---------------|----|----|----|----|---------------|----------------|-----------|------|-----|-------|
|           |               |           |               |         |                                |             |  |                  |                  |                 | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW |    |    |    |    | SPT-NO        | DEPTH CL - (m) |           |      |     |       |
|           |               |           |               |         |                                |             |  |                  |                  |                 |                           |            | 0             | 10 | 20 | 30 | 40 |               |                |           | 50   |     |       |
| 1         |               |           |               |         | mottled yellow and bluish gray | Sandy Clay  | very soft , mottled yellow and bluish gray, highly plastic , sandy CLAY with abundert organic fragments. | 8.3.09           | 2.00             | 8.3.09          | 1.00                      | 2/30       |               |    |    |    |    |               | P1             | 2.00m     | 1    |     |       |
| 2         |               |           |               |         |                                |             |  |                  |                  |                 | 1.4                       | 9.3.09     |               |    |    |    |    |               | 1.47           |           | 2.00 | UD1 | 2     |
| 3         |               | 3.00      | 3.08          |         |                                |             |  |                  |                  |                 | 1.85                      | 8.3.09     |               |    |    |    |    |               | 3.00           |           | 2/30 | P2  | 2.80m |
| 4         |               |           |               |         | dark & gray                    | Clayey SAND | very Loose to medium dense , bluish gray to dark gray, fine grained clayey silty SAND with mica          | 8.3.09           | 10.50            | 8.3.09          | 4.00                      | 2/30       |               |    |    |    |    |               | P3             | 60/80     | 4    |     |       |
| 5         |               |           |               |         |                                |             |  |                  |                  |                 | 5.00                      | 12/30      |               |    |    |    |    |               | P4             |           | 5    |     |       |
| 6         |               | 6.00      | 3.00          |         |                                |             |  |                  |                  |                 | 6.00                      | 1/30       |               |    |    |    |    |               | P5             |           | 6    |     |       |
| 7         |               |           |               |         | blueish-gray                   | sandy CLAY  | very soft - sat dorw - bluewish gray , low plasticity , sandy CLAY with mica.                            | 8.3.09           | 10.50            | 8.3.09          | 7.00                      | 1/30       |               |    |    |    |    |               | P6             | 8.00m     | 7    |     |       |
| 8         |               |           |               |         |                                |             |  |                  |                  |                 | 8.00                      |            |               |    |    |    |    |               | UD2            |           | 8    |     |       |
| 9         |               |           |               |         |                                |             |  |                  |                  |                 | 9.00                      | 3/30       |               |    |    |    |    |               | P7             |           | 9    |     |       |
| 10        |               |           |               |         | blue with gray                 | clayey SAND | very Loose - bluewish gray , fine grained , Clayey SAND , with mica.                                     | 8.3.09           | 20.50            | 9.3.09          | 10.00                     | 2/30       |               |    |    |    |    |               | P8             | 47/80     | 10   |     |       |
| 11        |               |           |               |         |                                |             |  |                  |                  |                 | 11.00                     | 5/30       |               |    |    |    |    |               | P9             |           | 11   |     |       |
| 12        |               |           |               |         |                                |             |  |                  |                  |                 | 12.00                     | 10/30      |               |    |    |    |    |               | P10            |           | 12   |     |       |
| 13        |               |           |               |         | blue with gray                 | clayey SAND | very Loose - bluewish gray , fine grained , Clayey SAND , with mica.                                     | 8.3.09           | 20.50            | 9.3.09          | 13.00                     | 17/30      |               |    |    |    |    |               | P11            |           | 13   |     |       |
| 14        |               |           |               |         |                                |             |  |                  |                  |                 | 14.00                     | 8/30       |               |    |    |    |    |               | P12            |           | 14   |     |       |
| 15        |               |           |               |         |                                |             |  |                  |                  |                 | 15.00                     | 7/30       |               |    |    |    |    |               | P13            |           | 15   |     |       |
| 16        |               |           |               |         | blue with gray                 | clayey SAND | very Loose - bluewish gray , fine grained , Clayey SAND , with mica.                                     | 8.3.09           | 20.50            | 9.3.09          | 16.00                     | 5/30       |               |    |    |    |    |               | P14            |           | 16   |     |       |
| 17        |               |           |               |         |                                |             |  |                  |                  |                 | 17.00                     | 7/30       |               |    |    |    |    |               | P15            |           | 17   |     |       |
| 18        |               |           |               |         |                                |             |  |                  |                  |                 | 18.00                     | 9/30       |               |    |    |    |    |               | P16            |           | 18   |     |       |
| 19        |               |           |               |         | blue with gray                 | sandy CLAY  | Soft , bluewish gray , low plasticity , sandy CLAY with a Little amount of mica.                         | 8.3.09           | 30.50            | 10.3.09         | 19.00                     | 4/30       |               |    |    |    |    |               | P17            |           | 19   |     |       |
| 20        |               |           |               |         |                                |             |  |                  |                  |                 | 20.00                     | 8/30       |               |    |    |    |    |               | P18            |           | 20   |     |       |
| 21        |               |           |               |         |                                |             |  |                  |                  |                 | 21.00                     | 16/30      |               |    |    |    |    |               | P19            |           | 21   |     |       |
| 22        |               |           |               |         | blue with gray                 | sandy CLAY  | Soft , bluewish gray , low plasticity , sandy CLAY with a Little amount of mica.                         | 8.3.09           | 30.50            | 10.3.09         | 22.00                     | 8/30       |               |    |    |    |    |               | P20            |           | 22   |     |       |
| 23        |               |           |               |         |                                |             |  |                  |                  |                 | 23.00                     | 5/30       |               |    |    |    |    |               | P21            |           | 23   |     |       |
| 24        |               |           |               |         |                                |             |  |                  |                  |                 | 24.00                     | 4/30       |               |    |    |    |    |               | P22            |           | 24   |     |       |
| 25        |               |           |               |         | blue with gray                 | sandy CLAY  | Soft , bluewish gray , low plasticity , sandy CLAY with a Little amount of mica.                         | 8.3.09           | 30.50            | 10.3.09         | 25.00                     | 6/30       |               |    |    |    |    |               | P23            |           | 25   |     |       |
| 26        |               |           |               |         |                                |             |  |                  |                  |                 | 26.00                     | 4/30       |               |    |    |    |    |               | P24            |           | 26   |     |       |
| 27        |               |           |               |         |                                |             |  |                  |                  |                 | 27.00                     | 5/30       |               |    |    |    |    |               | P25            |           | 27   |     |       |
| 28        |               |           |               |         | blue with gray                 | sandy CLAY  | Soft , bluewish gray , low plasticity , sandy CLAY with a Little amount of mica.                         | 8.3.09           | 30.50            | 10.3.09         | 28.00                     | 5/30       |               |    |    |    |    |               | P26            |           | 28   |     |       |
| 29        |               |           |               |         |                                |             |  |                  |                  |                 | 29.00                     | 6/30       |               |    |    |    |    |               | P27            |           | 29   |     |       |
| 30        |               |           |               |         |                                |             |  |                  |                  |                 | 30.00                     | 5/30       |               |    |    |    |    |               | P28            |           | 30   |     |       |
| 31        |               |           |               |         |                                |             |  |                  |                  |                 | 31.00                     |            |               |    |    |    |    |               |                |           |      |     |       |

## Rock Classification

Weathered Rock : Weathered rock with abundant fragments and soil  
Soft rock 1 : Rock with slightly abundant fragments  
Soft rock 2 : Rock in considerable fresh condition

Semi hard rock : Rock in almost fresh condition  
Hard rock : Rock in fresh condition

## NOTES



**RELATIVE DENSITY**  
VL Very Loose  
L Loose  
M Medium  
D Dense  
VD Very Dense

**CONSISTENCY**  
VS Very Soft  
S Soft  
M Medium  
St Stiff  
VSt Very Stiff  
H Hard

## SAMPLE METHOD

Undisturbed : ☐ (T: Thin wall sampler, D: Denison sampler)  
SPT : ☒  
DOUBLE CORE : ☒  
Water Sampling : ☒

## DEPTH

UPPER  
RECOVERY  
cm / cm  
LOWER

# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project  
 LOCATION : Kyet Taujng Chaung Village , Bogale Township  
 BORING METHOD : Rotary  
 BORING EQUIPMENT : TOHO - D1

BOREHOLE NO. : BH-Kyet Taujng Chaung (Bogale)  
 DATE : from 12.3.09 to 14.3.09  
 ORIENTATION : Vertical  
 ELEVATION : EL-  
 WATER LEVEL : GL - 0.80m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR                    | SOIL NAME          | DESCRIPTION   | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m)                    | STANDARD PENETRATION TEST |            |                 |    |    |    | SAMPLE / TEST |        | SCALE (m)      |                |
|-----------|---------------|-----------|---------------|---------|---------------------------|--------------------|---|------------------|------------------|------------------------------------|---------------------------|------------|-----------------|----|----|----|---------------|--------|----------------|----------------|
|           |               |           |               |         |                           |                    |   |                  |                  |                                    | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW ● |    |    |    |               | METHOD |                | DEPTH CL - (m) |
|           |               |           |               |         |                           |                    |   |                  |                  |                                    |                           |            | 0               | 10 | 20 | 30 | 40            |        |                |                |
| 1         |               |           |               |         | mottled yellow and gray   | CLAY               | Soft to firm , mottled yellow and gray, high plastic CLAY   |                  |                  | 0.58<br>13.3.09<br>1.00<br>14.3.09 | 1.00                      | 4/30       |                 |    |    |    |               | P1     | 1              |                |
| 2         |               | 2.25      | 2.25          |         |                           |                    |   |                  |                  |                                    | 2.00                      | 2/30       |                 |    |    |    |               | F2     | 2              |                |
| 3         |               |           |               |         | greenish gray             | SILT / CLAY        | Very soft, light gray to bluish gray, medium plasticity, SILT / CLAY with a trace of decay roots and minor amount of mica mineral.  |                  |                  |                                    | 3.00                      |            |                 |    |    |    |               | UD1    | 3.00m          |                |
| 4         |               |           |               |         |                           |                    |   |                  |                  |                                    | 4.00                      | 1/30       |                 |    |    |    |               | P3     | 3.80m<br>80/80 |                |
| 5         |               | 5.00      | 2.75          |         |                           |                    |   | 5.00<br>12.3.09  |                  |                                    | 5.00                      | 2/30       |                 |    |    |    |               | P4     | 5              |                |
| 6         |               |           |               |         |                           |                    |   |                  | 6.00<br>112mm    |                                    | 6.00                      | 8/30       |                 |    |    |    |               | P5     | 6              |                |
| 7         |               |           |               |         |                           |                    |   |                  |                  |                                    | 7.00                      | 6/30       |                 |    |    |    |               | P6     | 7              |                |
| 8         |               |           |               |         |                           |                    |   |                  |                  |                                    | 8.00                      | 10/30      |                 |    |    |    |               | P7     | 8              |                |
| 9         |               |           |               |         | greenish gray             | Silty SAND to SAND | Very loose to medium dense, greenish gray, fine to medium grained, slightly silty to silty SAND with a trace of decay wood fragments and mica flakes.   |                  |                  |                                    | 9.00                      | 5/30       |                 |    |    |    |               | P8     | 9              |                |
| 10        |               |           |               |         |                           |                    |   |                  |                  |                                    | 10.00                     | 6/30       |                 |    |    |    |               | P9     | 10             |                |
| 11        |               |           |               |         |                           |                    |   |                  |                  |                                    | 11.00                     | 6/30       |                 |    |    |    |               | P10    | 11             |                |
| 12        |               |           |               |         |                           |                    |   |                  |                  |                                    | 12.00                     | 13/30      |                 |    |    |    |               | P11    | 12             |                |
| 13        |               |           |               |         |                           |                    |   |                  |                  |                                    | 13.00                     | 8/30       |                 |    |    |    |               | P12    | 13             |                |
| 14        |               |           |               |         |                           |                    |   |                  |                  |                                    | 14.00                     | 15/30      |                 |    |    |    |               | P13    | 14             |                |
| 15        |               | 15.00     | 10.00         |         |                           |                    |   |                  |                  |                                    | 15.00                     | 2/30       |                 |    |    |    |               | P14    | 15             |                |
| 16        |               |           |               |         |                           |                    | Very soft to soft, light gray to bluish gray, thinly to thickly laminated, low to medium plastic, slightly sandy SILT / CLAY with thin fissured of fine sand. Decomposed wood fragment contained minor amount |                  | 16.00<br>90mm    |                                    | 16.00                     | 2/30       |                 |    |    |    |               | P15    | 16             |                |
| 17        |               |           |               |         |                           |                    |   |                  |                  |                                    | 17.00                     | 3/30       |                 |    |    |    |               | P16    | 17             |                |
| 18        |               |           |               |         |                           |                    |   |                  |                  |                                    | 18.00                     | 4/30       |                 |    |    |    |               | P17    | 18             |                |
| 19        |               |           |               |         |                           |                    |   |                  |                  |                                    | 19.00                     | 4/30       |                 |    |    |    |               | P18    | 19             |                |
| 20        |               | 20.00     | 5.00          |         |                           |                    |   | 20.00<br>13.3.09 |                  |                                    | 20.00                     | 7/30       |                 |    |    |    |               | P19    | 20             |                |
| 21        |               |           |               |         | reddish brown to gray     | CLAY               | Firm, spotted yellowish-reddish brown and gray, high plastic CLAY with iron-stained nodules   |                  |                  |                                    | 21.00                     | 5/30       |                 |    |    |    |               | P20    | 21             |                |
| 22        |               | 22.00     | 2.00          |         |                           |                    |   |                  |                  |                                    | 22.00                     | 11/30      |                 |    |    |    |               | P21    | 22             |                |
| 23        |               |           |               |         | light yellow to gray      | SILT / CLAY        | Stiff, thinly to thickly laminated, light yellow to gray, medium to high plastic SILT / CLAY  |                  |                  |                                    | 23.00                     | 13/30      |                 |    |    |    |               | P22    | 23             |                |
| 24        |               | 24.00     | 2.00          |         |                           |                    |   |                  |                  |                                    | 24.00                     | 9/30       |                 |    |    |    |               | P23    | 24             |                |
| 25        |               |           |               |         |                           |                    |   |                  |                  |                                    | 25.00                     | 5/30       |                 |    |    |    |               | P24    | 25             |                |
| 26        |               |           |               |         | light gray to bluish gray | Sandy SILT/ CLAY   | Firm to stiff, light gray to bluish gray, thinly to thickly laminated, low plastic, slightly sandy to very sandy SILT / CLAY with a trace of mica fragments in a thin layer of fine Sand                      |                  |                  |                                    | 26.00                     | 5/30       |                 |    |    |    |               | P25    | 26             |                |
| 27        |               |           |               |         |                           |                    |   |                  |                  |                                    | 27.00                     | 5/30       |                 |    |    |    |               | P26    | 27             |                |
| 28        |               |           |               |         |                           |                    |   |                  |                  |                                    | 28.00                     | 4/30       |                 |    |    |    |               | P27    | 28             |                |
| 29        |               | 29.00     | 5.00          |         |                           |                    |   |                  |                  |                                    | 29.00                     | 18/30      |                 |    |    |    |               | P28    | 29             |                |
| 30        |               | 30.50     | 1.50          |         | greenish gray             | Silty SAND         | Medium dense, greenish gray, fine to medium grained, very silty SAND with mica fragments and decay wood   | 30.50<br>14.3.09 |                  |                                    | 30.00                     | 26/30      |                 |    |    |    |               | P29    | 30             |                |
| 31        |               |           |               |         |                           |                    |   |                  |                  |                                    | 31.00                     |            |                 |    |    |    |               |        |                |                |

## Rock Classification

Weathered Rock : Weathered rock with abundant fragments and soil  
 Soft rock 1 : Rock with slightly abundant fragments  
 Soft rock 2 : Rock in considerable fresh condition

Semi hard rock : Rock in almost fresh condition  
 Hard rock : Rock in fresh condition

## NOTES



## RELATIVE DENSITY

VL Very Loose  
 L Loose  
 M Medium  
 D Dense  
 VD Very Dense

## CONSISTENCY

VS Very Soft  
 S Soft  
 M Medium  
 St Stiff  
 VSr Very Stiff  
 H Hard

## SAMPLE METHOD

Undisturbed : ☐ (T: Thin wall sampler, D: Denison sampler)  
 SPT : ☒  
 DOUBLE CORE : ☒  
 Water Sampling : ☒

## DEPTH

UPPER  
 RECOVERY cm / cm  
 LOWER

## FIELD BORING LOG

**PROJECT NAME : School Cum Cyclone Shelter Project**

**LOCATION** : Sat Kyun Village, Bogale Township

**BORING METHOD** : Rotary

**BORING EQUIPMENT : A II B**

**BOREHOLE NO. : BH-Sat Kyun (Bogale)**

**DATE** : from 8.3.09 to 11.3.09

**ORIENTATION** : Vertical

ELEVATION : EL-

**WATER LEVEL** : GL - 1.50 m

[illegible]

### Rock Classification

**Weathered Rock** : Weathered rock with abundant fragments and soil

Soft rock 1 : Rock with slightly abundant fragments  
Soft rock 2 : Rock in considerable fresh condition

Soft rock 2 : Rock in considerable fresh condition

**Semi hard rock** : Rock in almost fresh condition

Hard rock : Rock in fresh condition

## NOTES

**RELATIVE DENSITY**

VL      Very Loose

L                      Loose

**M** Medium

D Dense

VD      Very Dense

### CONSISTENCY

VS Very Soft

S Soft

|   |        |
|---|--------|
| M | Medium |
| S | Strong |

| Stiff | Stiff |
|-------|-------|
|-------|-------|

VSt      Very Stiff

### SAMPLE METHOD

Undisturbed : ☐ (T:Thin wall sampler,  
D:Denison sampler)

**SPT** :

DOUBLE CORE : ☐


Water Sampling : 

DEPTH

UPPER



OFFER



RECOVERY  
cm / cm

LOWER





# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project

LOCATION : Thar Yar Gone Village, Bogale Township

BORING METHOD : Rotary

BORING EQUIPMENT : TOHO - D2

BOREHOLE NO. : BH-Thar Yar Gone (Bogale)

DATE : from 11.3.09 to 13.3.09

ORIENTATION : Vertical

ELEVATION : EL-

WATER LEVEL : GL - 0.30 m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR                                  | SOIL NAME             | DESCRIPTION  | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m) | STANDARD PENETRATION TEST |            |                 |    |    |    | SAMPLE / TEST |     |     |     |                |
|-----------|---------------|-----------|---------------|---------|---|-----------------------|--|------------------|------------------|-----------------|---------------------------|------------|-----------------|----|----|----|---------------|-----|-----|-----|----------------|
|           |               |           |               |         |   |                       |  |                  |                  |                 | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW ● |    |    |    |               |     |     |     |                |
|           |               |           |               |         |   |                       |  |                  |                  |                 |                           |            | 0               | 10 | 20 | 30 | 40            | 50  |     |     |                |
| 1         |               |           |               |         | yellow & bluish gray                    | CLAY                  | Very soft, mottled yellow and bluish gray, high plastic CLAY with decomposed organic fragments.  | 14.50<br>11.3.09 | 1.0<br>127mm     | 0.30<br>12.3.09 | 1.00                      | 1/30       |                 |    |    |    |               |     | P1  | 1   |                |
| 2         |               | 2.00      | 2.00          |         |   |                       |  |                  |                  | 0.80<br>11.3.09 | 2.00                      |            |                 |    |    |    |               |     |     | UD1 | 2.00m          |
| 3         |               |           |               |         | bluish gray                             | CLAY / SILT           | Very soft, bluish gray, low plastic, CLAY / SILT. (moderate water content)   |                  |                  |                 | 3.00                      | 1/30       |                 |    |    |    |               |     |     | P2  | 2.80m<br>80/80 |
| 4         |               |           |               |         |   |                       |  |                  |                  |                 | 4.00                      |            |                 |    |    |    |               |     |     | UD2 | 4.00m          |
| 5         |               |           |               |         |   |                       |  |                  |                  |                 | 5.00                      | 1/30       |                 |    |    |    |               |     |     | P3  | 4.80m<br>0/80  |
| 6         |               |           |               |         |   |                       |  |                  |                  |                 | 6.00                      | 1/30       |                 |    |    |    |               |     |     | P4  |                |
| 7         |               |           |               |         |   |                       |  |                  |                  |                 | 7.00                      | 1/30       |                 |    |    |    |               |     |     | P5  |                |
| 8         |               | 8.00      | 6.00          |         |   |                       |  |                  |                  |                 | 8.00                      | 2/30       |                 |    |    |    |               |     |     | P6  |                |
| 9         |               |           |               |         | bluish gray                             | Laminated SAND & CLAY | Very loose, bluish gray, fine grained SAND are laminated with very soft, bluish gray, low plastic CLAY. Silt contain minor amount. Organic fragments are preserved. (moderate water content) | 14.50<br>11.3.09 |                  | 9.00            | 2/30                      |            |                 |    |    |    |               |     | P7  |     |                |
| 10        |               |           |               |         |   |                       |  |                  |                  | 10.00           | 2/30                      |            |                 |    |    |    |               |     | P8  |     |                |
| 11        |               |           |               |         |   |                       |  |                  |                  | 11.00           | 2/30                      |            |                 |    |    |    |               |     | P9  |     |                |
| 12        |               |           |               |         |   |                       |  |                  |                  | 12.00           | 4/30                      |            |                 |    |    |    |               |     | P10 |     |                |
| 13        |               |           |               |         |   |                       |  |                  |                  | 13.00           | 3/30                      |            |                 |    |    |    |               |     | P11 |     |                |
| 14        |               |           |               |         |   |                       |  |                  |                  | 14.00           | 2/30                      |            |                 |    |    |    |               |     | P12 |     |                |
| 15        |               |           |               |         |   |                       |  |                  |                  | 15.00           | 2/30                      |            |                 |    |    |    |               |     | P13 |     |                |
| 16        |               |           |               |         |   |                       |  |                  |                  | 16.00           | 7/30                      |            |                 |    |    |    |               |     | P14 |     |                |
| 17        |               |           |               |         |   |                       |  | 17.00            | 2/30             |                 |                           |            |                 |    |    |    | P15           |     |     |     |                |
| 18        |               | 18.00     | 10.00         |         |   |                       |  |                  | 18.00            | 2/30            |                           |            |                 |    |    |    |               | P16 |     |     |                |
| 19        |               |           |               |         |   |                       |  | 25.50<br>12.3.09 |                  | 19.00           | 2/30                      |            |                 |    |    |    |               |     | P17 |     |                |
| 20        |               |           |               |         |   |                       |  |                  |                  | 20.00           | 4/30                      |            |                 |    |    |    |               |     | P18 |     |                |
| 21        |               |           |               |         |   |                       |  |                  |                  | 21.00           | 3/30                      |            |                 |    |    |    |               |     | P19 |     |                |
| 22        |               |           |               |         | bluish, greenish, brownish gray         |                       | Very soft, bluish-brownish and greenish gray, low to high plastic CLAY with organic matter   |                  |                  | 22.00           | 7/30                      |            |                 |    |    |    |               |     | P20 |     |                |
| 23        |               |           |               |         |   |                       |  |                  |                  | 23.00           | 15/30                     |            |                 |    |    |    |               |     | P21 |     |                |
| 24        |               |           |               |         |   |                       |  |                  |                  | 24.00           | 14/30                     |            |                 |    |    |    |               |     | P22 |     |                |
| 25        |               |           |               |         |   |                       |  |                  |                  | 25.00           | 16/30                     |            |                 |    |    |    |               |     | P23 |     |                |
| 26        |               | 26.00     | 3.00          |         |   |                       |  |                  |                  | 26.00           | 1/30                      |            |                 |    |    |    |               |     | P24 |     |                |
| 27        |               |           |               |         | spotted yellowish brown and bluish gray | Sandy CLAY            | Soft to firm, spotted yellowish brown and bluish gray, low to high plastic Sandy CLAY with organic matters. (moderate water content)   | 30.50<br>13.3.09 |                  | 27.00           | 4/30                      |            |                 |    |    |    |               |     | P25 |     |                |
| 28        |               |           |               |         |   |                       |  |                  |                  | 28.00           | 5/30                      |            |                 |    |    |    |               |     | P26 |     |                |
| 29        |               |           |               |         |   |                       |  |                  |                  | 29.00           | 4/30                      |            |                 |    |    |    |               |     | P27 |     |                |
| 30        |               | 30.00     | 4.00          |         |   |                       |  |                  |                  | 30.00           | 10/30                     |            |                 |    |    |    |               |     | P28 |     |                |
| 31        |               | 30.50     | 0.50          |         | bluish gray                             | SAND                  | Loose, bluish gray, fine-grained SAND with clay patches  |                  |                  | 31.00           |                           |            |                 |    |    |    |               |     |     |     |                |

## Rock Classification

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Soft rock 1 : Rock with slightly abundant fragments

Soft rock 2 : Rock in considerable fresh condition

## NOTES



## RELATIVE DENSITY

VL Very Loose  
L Loose  
M Medium  
D Dense  
VD Very Dense

## CONSISTENCY

VS Very Soft  
S Soft  
M Medium  
St Stiff  
VSt Very Stiff  
H Hard

Semi hard rock : Rock in almost fresh condition

Hard rock : Rock in fresh condition

## SAMPLE METHOD

Undisturbed : (T: Thin wall sampler, D: Denison sampler)

SPT :

DOUBLE CORE :

Water Sampling :

(T: Thin wall sampler, D: Denison sampler)

SINGLE CORE :

## DEPTH

UPPER

RECOVERY cm / cm

LOWER

# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project

LOCATION : Pan Phu Village, Bogale Township Ayeyawaddy Division

BORING METHOD : Rotary

BORING EQUIPMENT : TONE

































BOREHOLE NO. : BH - Pan Phu (Bogale)

DATE : from 12.3.09 to 14.3.09

ORIENTATION : Vertical

ELEVATION : EL-

WATER LEVEL : GL - 0.65 m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM   | COLOUR      | SOIL NAME           | DESCRIPTION   | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m) | STANDARD PENETRATION TEST |            |   |    |    |    |    | SAMPLE / TEST |     | SCALE (m)   |        |                |
|-----------|---------------|-----------|---------------|---|-------------|---------------------|---|------------------|------------------|-----------------|---------------------------|------------|---|----|----|----|----|---------------|-----|---|--------|----------------|
|           |               |           |               |   |             |                     |   |                  |                  |                 | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW ●   |    |    |    |    |               |     |   | SPT NO | DEPTH CL - (m) |
|           |               |           |               |   |             |                     |   |                  |                  |                 |                           |            | 0   | 10 | 20 | 30 | 40 | 50            |     |   |        |                |
| 1         |               |           |               |    | bluish gray | CLAY                | very soft , mottled yellow and bluish gray, highly plastic , slightly sandy CLAY with abundant organic fragments.       |                  |                  | 0.65<br>14.3.09 | 1.00                      | 2/30       |    |    |    |    |    |               | P1  |   | 1      |                |
| 2         |               |           |               |    | bluish gray | CLAY                |   |                  | 2.00<br>127mm    | 0.70<br>13.3.09 | 2.00                      |            |   |    |    |    |    |               | UD  | 2.00m   | 2      |                |
| 3         |               |           |               |    | bluish gray | CLAY                |   |                  |                  | 0.80<br>12.3.09 | 3.00                      | 1/30       |    |    |    |    |    |               | P2  | 2.80m<br>80/80  | 3      |                |
| 4         |               |           |               |    | bluish gray | CLAY                |   |                  |                  |                 | 4.00                      | 2/30       |    |    |    |    |    |               | P3  |   | 4      |                |
| 5         |               |           |               |    | bluish gray | CLAY                |   |                  |                  |                 | 5.00                      | 1/30       |    |    |    |    |    |               | P4  |  | 5      |                |
| 6         | 6.00          | 6.00      |               |    | bluish gray | Clayey SAND         | Very loose, bluish gray, clayey SAND with mica  |                  |                  |                 | 6.00                      | 1/30       |    |    |    |    |    |               | P5  |   | 6      |                |
| 7         |               | 7.00      | 1.00          |    | bluish gray | Clayey SAND         |   |                  |                  |                 | 7.00                      | 1/30       |    |    |    |    |    |               | P6  |   | 7      |                |
| 8         |               |           |               |   | bluish gray | Very Sandy CLAY     | Soft, bluish gray, laminated, low plastic, very sandy CLAY.   |                  |                  |                 | 8.00                      | 2/30       |    |    |    |    |    |               | P7  |   | 8      |                |
| 9         |               |           |               |  | bluish gray | Very Sandy CLAY     |   |                  |                  |                 | 9.00                      | 2/30       |    |    |    |    |    |               | P8  |   | 9      |                |
| 10        |               |           |               |  | bluish gray | Very Sandy CLAY     |   |                  |                  |                 | 10.00                     | 2/30       |    |    |    |    |    |               | P9  |   | 10     |                |
| 11        | 11.00         |           | 4.00          |  | bluish gray | Very Sandy CLAY     |   |                  |                  |                 | 11.00                     | 1/30       |    |    |    |    |    |               | P10 |   | 11     |                |
| 12        |               |           |               |  | bluish gray | Silty - Clayey SAND | Very loose, blueish gray, fine grained , silty - Clayey SAND , with mica.   |                  |                  |                 | 12.00                     | 2/30       |    |    |    |    |    |               | P11 |   | 12     |                |
| 13        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 13.00                     | 2/30       |  |    |    |    |    |               | P12 |   | 13     |                |
| 14        | 14.00         |           | 3.00          |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 14.00                     | 4/30       |  |    |    |    |    |               | P13 |   | 14     |                |
| 15        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 15.00                     | 15/30      |  |    |    |    |    |               | P14 |   | 15     |                |
| 16        |               |           |               |  | bluish gray | Silty - Clayey SAND | Medium dense, blueish gray, fine grained , silty SAND , with mica.  | 16.50<br>12.3.09 |                  |                 | 16.00                     | 14/30      |  |    |    |    |    |               | P15 |   | 16     |                |
| 17        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 17.00                     | 14/30      |  |    |    |    |    |               | P16 |   | 17     |                |
| 18        | 18.00         |           | 4.00          |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 18.00                     | 9/30       |  |    |    |    |    |               | P17 |   | 18     |                |
| 19        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 19.00                     | 9/30       |  |    |    |    |    |               | P18 |   | 19     |                |
| 20        |               |           |               |  | bluish gray | Silty - Clayey SAND | Loose, blueish gray, fine grained , silty - Clayey SAND , with mica.  |                  |                  |                 | 20.00                     | 6/30       |  |    |    |    |    |               | P19 |   | 20     |                |
| 21        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 21.00                     | 5/30       |  |    |    |    |    |               | P20 |   | 21     |                |
| 22        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 22.00                     | 4/30       |  |    |    |    |    |               | P21 |   | 22     |                |
| 23        | 23.00         |           | 5.00          |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 23.00                     | 5/30       |  |    |    |    |    |               | P22 |   | 23     |                |
| 24        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 24.00                     | 4/30       |  |    |    |    |    |               | P23 |   | 24     |                |
| 25        |               |           |               |  | bluish gray | Silty - Clayey SAND |   | 20.50<br>9.3.09  |                  |                 | 25.00                     | 5/30       |  |    |    |    |    |               | P24 |   | 25     |                |
| 26        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 26.00                     | 4/30       |  |    |    |    |    |               | P25 |   | 26     |                |
| 27        |               |           |               |  | bluish gray | Silty - Clayey SAND | Very soft to stiff, bluish gray, laminated, low plastic, slightly sandy CLAY. Sand layers and Clay layer are laminated. |                  |                  |                 | 27.00                     | 4/30       |  |    |    |    |    |               | P26 |   | 27     |                |
| 28        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 28.00                     | 5/30       |  |    |    |    |    |               | P27 |   | 28     |                |
| 29        |               |           |               |  | bluish gray | Silty - Clayey SAND |   | 28.50<br>13.3.09 |                  |                 | 29.00                     | 5/30       |  |    |    |    |    |               | P28 |   | 29     |                |
| 30        | 30.50         |           | 7.50          |  | bluish gray | Silty - Clayey SAND |   | 30.50<br>14.3.09 |                  |                 | 30.00                     | 5/30       |  |    |    |    |    |               | P29 |   | 30     |                |
| 31        |               |           |               |  | bluish gray | Silty - Clayey SAND |   |                  |                  |                 | 31.00                     |            |  |    |    |    |    |               |     |   | 31     |                |

## Rock Classification

Weathered Rock : Weathered rock with abundant fragments and soil  
Soft rock 1 : Rock with slightly abundant fragments  
Soft rock 2 : Rock in considerable fresh condition

## NOTES



## RELATIVE DENSITY

VL Very Loose  
L Loose  
M Medium  
D Dense  
VD Very Dense

## CONSISTENCY

VS Very Soft  
S Soft  
M Medium  
St Stiff  
VSt Very Stiff  
H Hard

Semi hard rock : Rock in almost fresh condition  
Hard rock : Rock in fresh condition

## SAMPLE METHOD

Undisturbed : ☐ (T: Thin wall sampler, D: Denison sampler)  
SPT : ☒  
DOUBLE CORE : ☒  
Water Sampling : ☒

## DEPTH

UPPER  
RECOVERY  
cm / cm  
LOWER

# FIELD BORING LOG

PROJECT NAME : School Cum Cyclone Shelter Project

LOCATION : Ah Si Gyi Village, Bogale Township

BORING METHOD : Rotary

BORING EQUIPMENT : TOHO - D2

BOREHOLE NO. : BH-Ah Si Gyi (Bogale)

DATE : from 8.3.09 to 10.3.09

ORIENTATION : Vertical

ELEVATION : EL-

WATER LEVEL : GL - 2.1 m

| SCALE (m) | ELEVATION (m) | DEPTH (m) | THICKNESS (m) | DIAGRAM | COLOUR             | SOIL NAME      | DESCRIPTION   | DATE & DEPTH (m) | CASING DEPTH (m) | WATER DEPTH (m) | STANDARD PENETRATION TEST |            |                 |    |    |    | SAMPLE / TEST |        | SCALE (m)      |                |    |
|-----------|---------------|-----------|---------------|---------|--------------------|----------------|---|------------------|------------------|-----------------|---------------------------|------------|-----------------|----|----|----|---------------|--------|----------------|----------------|----|
|           |               |           |               |         |                    |                |   |                  |                  |                 | DEPTH (m)                 | BLOWS / cm | CURVE OF BLOW ● |    |    |    |               | METHOD |                | DEPTH CL - (m) |    |
|           |               |           |               |         |                    |                |   |                  |                  |                 |                           |            | 0               | 10 | 20 | 30 | 40            |        |                |                | 50 |
| 1         |               |           |               |         | yellowish & buff   | Clay           | soft, CLAY, including with organic matter, low water content, high plasticity, yellowish to buff colour                         |                  | 1.0<br>127mm     |                 | 1.00                      | 3/30       |                 |    |    |    |               | P1     |                | 1              |    |
| 2         |               | 2.00      | 2.00          |         |                    |                |   |                  |                  | 2.1<br>10.3.09  | 2.00                      |            |                 |    |    |    |               | UD1    | 2.00m          | 2              |    |
| 3         |               |           |               |         |                    |                |   |                  |                  |                 | 3.00                      | 1/30       |                 |    |    |    |               | P2     | 2.80m<br>50/80 | 3              |    |
| 4         |               |           |               |         | bluish gray & gray | Clay with silt | very soft, CLAY with slit, moderate water content, intermediate plasticity, bluish gray and gray, including with arganic matter |                  |                  |                 | 4.00                      |            |                 |    |    |    |               | UD2    | 4.00m          | 4              |    |
| 5         |               |           |               |         |                    |                |   |                  |                  |                 | 5.00                      | 1/30       |                 |    |    |    |               | P3     | 4.80m<br>80/80 | 5              |    |
| 6         |               |           |               |         |                    |                |   |                  |                  |                 | 6.00                      | 1/30       |                 |    |    |    |               | P4     |                | 6              |    |
| 7         |               |           |               |         |                    |                |   |                  |                  |                 | 7.00                      |            |                 |    |    |    |               | UD3    | 7.00m          | 7              |    |
| 8         |               |           |               |         |                    |                |   |                  |                  |                 | 8.00                      | 2/30       |                 |    |    |    |               | P5     | 7.80m<br>0/80  | 8              |    |
| 9         |               | 9.00      | 7.00          |         |                    |                |   |                  |                  |                 | 9.00                      | 2/30       |                 |    |    |    |               | P6     |                | 9              |    |
| 10        |               |           |               |         |                    |                |   |                  |                  |                 | 10.00                     | 2/30       |                 |    |    |    |               | P7     |                | 10             |    |
| 11        |               |           |               |         |                    |                |   |                  |                  |                 | 11.00                     | 2/30       |                 |    |    |    |               | P8     |                | 11             |    |
| 12        |               |           |               |         | gray               | CLAY with silt | very soft, CLAY with thinly layer of silt, moderate water content, low plasticity, gray   |                  |                  |                 | 12.00                     |            |                 |    |    |    |               | UD4    | 12.00m         | 12             |    |
| 13        |               | 13.00     | 4.00          |         |                    |                |   |                  |                  |                 | 13.00                     | 3/30       |                 |    |    |    |               | P9     | 12.8m<br>70/80 | 13             |    |
| 14        |               |           |               |         | gray               | CLAY and SILT  | soft, CLAY and SILT are intercalated, moderate water content, low plasticity, gray  |                  |                  |                 | 14.00                     | 3/30       |                 |    |    |    |               | P10    |                | 14             |    |
| 15        |               | 15.00     | 2.00          |         |                    |                |   |                  |                  |                 | 15.00                     | 7/30       |                 |    |    |    |               | P11    |                | 15             |    |
| 16        |               |           |               |         |                    |                |   |                  |                  |                 | 16.00                     | 10/30      |                 |    |    |    |               | P12    |                | 16             |    |
| 17        |               |           |               |         | gray               | SILT with CLAY | medium soft to firm, silt with clay, moderate water content, low plasticity, gray   | 8.3.09<br>16.5   |                  |                 | 17.00                     | 10/30      |                 |    |    |    |               | P13    |                | 17             |    |
| 18        |               | 18.00     | 3.00          |         |                    |                |   |                  |                  |                 | 18.00                     | 6/30       |                 |    |    |    |               | P14    |                | 18             |    |
| 19        |               |           |               |         |                    |                |   |                  |                  |                 | 19.00                     | 4/30       |                 |    |    |    |               | P15    |                | 19             |    |
| 20        |               |           |               |         | gray               | SILT / CLAY    | medium soft, SILT / CLAY, moderate water content, low plasticity gray   |                  |                  |                 | 20.00                     | 6/30       |                 |    |    |    |               | P16    |                | 20             |    |
| 21        |               | 21.00     | 3.00          |         |                    |                |   |                  |                  |                 | 21.00                     | 2/30       |                 |    |    |    |               | P17    |                | 21             |    |
| 22        |               |           |               |         | gray               | CLAY with silt | soft, CLAY with silt, moderate water content, intermediate plasticity, gray   |                  |                  |                 | 22.00                     | 3/30       |                 |    |    |    |               | P18    |                | 22             |    |
| 23        |               | 23.00     | 2.00          |         |                    |                |   |                  |                  |                 | 23.00                     | 4/30       |                 |    |    |    |               | P19    |                | 23             |    |
| 24        |               |           |               |         |                    |                |   |                  |                  |                 | 24.00                     | 3/30       |                 |    |    |    |               | P20    |                | 24             |    |
| 25        |               |           |               |         | gray               | CLAY with silt | soft, CLAY with silt, moderate water content, intermediate plasticity, gray colour  |                  |                  |                 | 25.00                     | 3/30       |                 |    |    |    |               | P21    |                | 25             |    |
| 26        |               | 26.00     | 3.00          |         |                    |                |   |                  |                  |                 | 26.00                     | 2/30       |                 |    |    |    |               | P22    |                | 26             |    |
| 27        |               | 27.00     | 1.00          |         | gray               | CLAY with silt | very soft, CLAY, including silty, moderate water content, intermediate plasticity, gray colour                                  |                  |                  |                 | 27.00                     | 4/30       |                 |    |    |    |               | P23    |                | 27             |    |
| 28        |               | 28.00     | 1.00          |         | gray               | CLAY with silt | soft, CLAY, including silty, moderate water content, high plasticity, gray colour   |                  |                  |                 | 28.00                     | 3/30       |                 |    |    |    |               | P24    |                | 28             |    |
| 29        |               |           |               |         |                    |                |   |                  |                  |                 | 29.00                     | 4/30       |                 |    |    |    |               | P25    |                | 29             |    |
| 30        |               | 30.50     | 2.50          |         |                    |                |   | 9.3.09<br>29.5   |                  |                 | 30.00                     | 4/30       |                 |    |    |    |               | P26    |                | 30             |    |
| 31        |               |           |               |         |                    |                |   | 10.3.09<br>30.5  |                  |                 | 31.00                     |            |                 |    |    |    |               |        |                |                | 31 |

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Soft rock 1 : Rock with slightly abundant fragments  
Soft rock 2 : Rock in considerable fresh condition

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## SAMPLE METHOD

Undisturbed : ☐ (T: Thin wall sampler, D: Denison sampler)  
SPT : ☒  
DOUBLE CORE : ☒  
Water Sampling : ☒

## DEPTH

UPPER  
RECOVERY cm / cm  
LOWER