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ENGINEERING PROJECTS LTD.
CONSTRUCTION, OPERATION AND
MAINTENANCE OF THE SYSTEM FOR
WHICH THE DRAWING IS MEANT.

CLIENT
PROPOSED
CONSTRUCTION OF THE RAISING 29th BATTALION HEAD
QUARTER FOR INDO-TIBETAN BORDER POLICE (ITBP) AT JABALPUR
(M.P.)

120 MEN'S BARRACK
ELEVATION & SECTION

I.T.B.P (INDO-TIBETAN BORDER POLICE)

LVL +1200
LVL -605
LVL -2390
LVL -2115
LVL +3000
LVL +1200

PLINTH
LVL +600
G.L.

FIRST FLOOR LVL.
LVL +3750
SECOND FLOOR LVL.
LVL +6900
THIRD FLOOR LVL.
LVL +10050
TERRACE LVL.(S.S.L)
LVL +13150
MUMTY LVL.
LVL +15600

ENTRANCE LOBBY

GUEST ROOM
TOILET

DINING

ENTRANCE LOBBY

ELECTRICAL ROOM

RECREATION

BATH

HAND WASH AREA

TOILET / CHANGING RM.

VERANDAH

RATION STORE

SPACE FOR BOX ROOM

BARRACK SPACE FOR 18 PERSONS

BATH

TOILET

DRYING SPACE

OHT

2025

200

1100

125

300

2450

15600

13150

10050

6900

3750

3000

1200

600

900

800

600
NOTES:

[GENERAL]

A. All dimensions are in mm, unless otherwise specified.
B. All lines and dimensions are to be followed throughout the drawing.
C. All points of intersection shall be shown either by dot or short dash.
D. All points of contact between different materials shall be shown where they meet.
E. All points of contact shall be shown where they meet.
F. All points of contact shall be shown where they meet.
G. All points of contact shall be shown where they meet.

[FOUNDATION]

1. The layout of building shall be given from the ground level.
2. The location of pipes in the building shall be shown on the plan.
3. The location of services shall be shown on the plan.
4. The location of services shall be shown on the plan.
5. The location of services shall be shown on the plan.

[COLUMNS]

1. The columns shall be shown on the plan.
2. The columns shall be shown on the plan.
3. The columns shall be shown on the plan.
4. The columns shall be shown on the plan.
5. The columns shall be shown on the plan.

[BEAMS]

1. The beams shall be shown on the plan.
2. The beams shall be shown on the plan.
3. The beams shall be shown on the plan.
4. The beams shall be shown on the plan.
5. The beams shall be shown on the plan.

[SLABS]

1. The slabs shall be shown on the plan.
2. The slabs shall be shown on the plan.
3. The slabs shall be shown on the plan.
4. The slabs shall be shown on the plan.
5. The slabs shall be shown on the plan.

[MASONRY WORK]

1. The masonry work shall be shown on the plan.
2. The masonry work shall be shown on the plan.
3. The masonry work shall be shown on the plan.
4. The masonry work shall be shown on the plan.
5. The masonry work shall be shown on the plan.

REFERENCES:

- IS 456 - 2000
- IS : 13920 - 1993
- SP - 16
- SP - 34

ARCH. DRG. NO.: ALL ARCH. DRGS

EXECUTIVE AGENCY: I.T.B.P (INDO-TIBETAN BORDER POLICE)

ARCH. Ashok Kummar.
Tel.: 011-451822 Fax: 011-45188288
Email: aeddelhi@gmail.com

PROPOSED CONSTRUCTION OF THE RAISING 29th BATTALION HEAD QUARTER FOR INDO-TIBETAN BORDER POLICE (ITBP) AT JABALPUR

ARCH. ORG. NO.: ALL ARCH. ORG.

DESIGN CATEGORY OF DRG.: FOUNDATION PLAN

SCALE: NT (A3)

I.T.B.P (INDO-TIBETAN BORDER POLICE)
NOTE - (1) Toilet slab shall be sunken with beam bottom at the location marked on plan.

NOTE - (2) Balcony 150 mm shall be sunken at the location marked on plan.

BEAM FRAMING PLAN & REINF. DETAIL OF SLAB AT GROUND FLOOR ROOF LVL. (i.e. AT FIRST FLOOR LVL.)

NOTE: AT THE JUNCTION OF TWO DIFF. NUMBER OF SLAB THE HIGHER REINFORCEMENT AT THE TOP FACE ALONG CONTINUOUS EDGE SHALL BE ADDED.

TYPICAL SECTIONAL DETAILS OF SLAB

- Cross bars
- Main bars
- Slab REINF.

TYPICAL SECTION OF SLAB ALONG SHORTER SPAN OF SLAB

Table 4. Details of slab reinforcement

<table>
<thead>
<tr>
<th>SR. NO.</th>
<th>Thickness (MM)</th>
<th>MAIN BARS</th>
<th>CROSS BARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>150</td>
<td>#8@150</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>125</td>
<td>#8@125</td>
<td>#10@125</td>
</tr>
<tr>
<td>3</td>
<td>150</td>
<td>#8@150</td>
<td>#10@150</td>
</tr>
<tr>
<td>4</td>
<td>125</td>
<td>#8@125</td>
<td>#10@125</td>
</tr>
</tbody>
</table>

Note: For reinforcement in cantilever balcony/projection, refer typ. detail of slab projection.

0.15xL1 Cranked bar of slab
0.20xL1 Cranked bar of adjacent slab
0.20xL1 Extra bar of same dia
0.3 x L2 Cranked bar of adjacent slab
0.3 x L1 Cranked bar of adjacent slab

Extra top bars (*)

Note: for reinforcement in cantilever balcony/projection, refer typ. detail of slab projection.

0.3 x L2 Cranked bar of adjacent slab
0.3 x L1 Cranked bar of adjacent slab

TYPICAL DETAILS OF SLAB PROJECTION

0.15xL1 Cranked bar
0.20xL1 Cranked bar
0.20xL1 Extra bar

Note: for reinforcement in cantilever balcony/projection, refer typ. detail of slab projection.

Extra top bars (*)

NOTE: IF BALCONY/SLAB PROJECTIONS [L], DOFRQVODESURMHFWLRQV>/@ PP([WUDWRSEDUV

This drawing is confidential & should not be disclosed, copied or lent to a third party without written consent of除了工程项目的相关目的，此图纸不应用于任何其他目的。
NOTE - (1) Toilet slab shall be sunken with beam bottom at the location marked on plan.

NOTE - (2) Balcony shall be sunken at the location marked on plan.

### Table 4. Details of slab reinforcement

<table>
<thead>
<tr>
<th>MAIN BARS</th>
<th>CROSS BARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>#8@200</td>
<td>#8@175</td>
</tr>
<tr>
<td>#10@175</td>
<td>#8@150</td>
</tr>
<tr>
<td>#8@100</td>
<td>#8@150</td>
</tr>
</tbody>
</table>

**TYPICAL SECTION OF SLAB ALONG SHORTER SPAN OF SLAB**

- Cranked bar of adjacent slab
- Extra bar of same dia. in between two cranked bars
- #8@300 distribution reinforcement
- Cabled bar of adjacent slab

**TYPICAL SECTIONAL DETAILS OF SLAB**

- Cranked bar of slab
- Extra top bars (*)
- Slab reinforcement in cantilever balcony/projections

**TYPICAL DETAILS OF SLAB PROJECTION**

- Alt. bottom bars of slab
- Distribution reinforcement (#8@300 c/c)
- Extra top bars (*)

**NOTE:** For reinforcement in cantilever balcony/projections, refer typical detail of slab projection.