Stones Frame of 20 cm height and 5 cm thick (Coplan)
Marble tiles of 2 cm thick
Stones Frame of 20 cm height (Coplan)
Stones panels
Smoothed Cement Plastering
Plastic Painting For External
Stones Frame of 15 cm height and 5 cm thick (Coplan)
Marble tiles of 2 cm thick

Full Rehabilitation of Sub PHCC
Front View
3.40
0.75
0.18

Smoothed Cement Plastering

For External Stones Frame of 15 cm height and 5 cm thick (Coplan)

Marble tiles of 2 cm thick

Aluminum Handrail

Stones Frame of 15 cm height and 5 cm thick (Coplan)

Full Rehabilitation of Sub PHCC
Steel Door D1
Steel Door D2
Steel Door D3
Steel Door D4
Steel Door D5
Steel sliding door D6

Wooden Door D1
Steel Door D2
Steel Door D3
Steel Door D4
Steel Door D5
Steel sliding door D6

Steel plates designed by CNC machines
Steel plates of 2 mm thick designed by CNC machines

Full Rehabilitation of Sub PHCC
Doors Detail

Drawing title
Scale
No Scale
Date
Sheet title
Unit
M
Aluminum Windows

W 1

C channel shape steel section of 2x3 inch frame

6 mm thick glass

Aluminum Section of 7.5 cm

W 2

W 3

W 4

Steel hollow rectangular section of 2x1.5 inch and 3 mm thick

Round hollow section steel of 1.5 inch and 2 mm thick

Steel plates of 2 mm thick designed by CNC machines

(Steel Burglar frame)
Section of Lintel (A-A)

Lintel Details

Lintel

STIRRUPS
Ø10mm@200mm

4 Ø12mm

250

variable

Full Rehabilitation of Sub PHCC

<table>
<thead>
<tr>
<th>Drawing title</th>
<th>Scale</th>
<th>No Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lintel Details</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Sheet title</td>
<td>Unit</td>
<td>Cm</td>
</tr>
</tbody>
</table>

Lintel

250

Variable
Casting column footing (60x60x60cm)
(4) anchor bolts of Ø16mm
Base plate of (200x200x10mm)
columns of steel square tube 100x100x3mm
sub beam of steel square tube 100x100x3mm
K- span sunshade, using plate of 2mm thick
steel drain trench using steel plate of 2 mm
columns of steel square tube 100x100x3mm
K- span (K- span) Sun Shed
Full Rehabilitation of Sub PHCC
500 columns of steel square tube 3x3 inch and 4mm thick

sub-beam using rectangular steel section of 3 x 1.5 inch and 3 mm thick each 1m

0.8mm thick corrugated plates

Detail B-B

columns of steel square tube 75x75x4mm

Base plate of (250x250x10mm)

(4) Bolts of Ø18mm

Detail A-A

0.8mm thick corrugated plates

beams of roof structure from steel square tube 3x3 inch and 4mm thick

sub-beam using rectangular steel section of 3 x 1.5 inch and 3 mm thick each 1m

Steel square column of 3x3 inch and 4mm thick

300

500

Full Rehabilitation of Sub PHCC

Metal Sun Shade above Generator And Parking

Drawing title

Scale

No Scale

Date

Unit

Cm
Front view

Detail A-A

Steel Sliding Door

Front view

Steel plates designed by CNC machines

Stone panel 20cm thick (Coplan)

Stone panel 3cm thick (Coplan)

Granite Tile

Plastic Painting

Detail A-A

Full Rehabilitation of Sub PHCC
FENCE TYPICAL PLAN

EXPANSION JOINT EVERY 12.0m MAX.

Cover

Hollow block (20*20*40)cm

Bricks

Foundation

BLINDING

Concrete for The Columns

6Ø12 mm
Ø10mm@250mm

Column (30x40)cm

500

300

100

6Ø12 mm
Ø10mm@250mm

compacted Sub Base - 95%

SECTION 1-1

SECTION 2-2

Full Rehabilitation of Sub PHCC

Cross Section in Fence Wall
Full Rehabilitation of Sub PHCC

Foundation Plan

<table>
<thead>
<tr>
<th>Drawing title</th>
<th>Scale</th>
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<tbody>
<tr>
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<td>Date</td>
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<tr>
<td></td>
<td>Sheet title</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unit</td>
<td>M</td>
</tr>
</tbody>
</table>
Notes:
1. Slab thickness = 18 cm. Concrete C25/30
2. Unless otherwise stated, all dimensions are in centimeter
3. Minimum overlap splice = 50 times bar diameter.
4. Minimum reinforcement cover = 75 mm (for footing), 40 mm (for beams and columns), 20 mm for slabs and walls.
5. Sulphate resistant cement shall be used for all footing works.

Plan of The Ground Floor
Reinforced Slab

Full Rehabilitation of Sub PHCC
4Ø12mm
Ø10mm@20cm
Ø16@150mm top&bottom both tow way

TYPICAL SECTION OF COLUMN FOUNDATION

compacted sub_base 95%
1.50

5Ø16mm top&bottom
Ø12mm@250mm

0.60

compacted sub_base 95%

Walls Foundation Details

Full Rehabilitation of Sub PHCC

Drawing title
Walls Foundation Details

Sheet title
M
Reinforcement Details for Lintels over Doors & Windows

<table>
<thead>
<tr>
<th>Span L (mm)</th>
<th>Section (m)</th>
<th>Top Reinf.</th>
<th>Bottom Reinf.</th>
<th>Stirrups</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 m</td>
<td>0.24 x 0.2</td>
<td>3Ø12</td>
<td>3Ø12</td>
<td>Ø10@200</td>
</tr>
<tr>
<td>1.5 m</td>
<td>0.24 x 0.2</td>
<td>3Ø12</td>
<td>3Ø12</td>
<td>Ø10@200</td>
</tr>
<tr>
<td>2.0 m</td>
<td>0.24 x 0.3</td>
<td>3Ø12</td>
<td>4Ø12</td>
<td>Ø10@200</td>
</tr>
<tr>
<td>2.5 m</td>
<td>0.24 x 0.3</td>
<td>3Ø12</td>
<td>3Ø16</td>
<td>Ø10@200</td>
</tr>
<tr>
<td>3 m</td>
<td>0.24 x 0.4</td>
<td>3Ø12</td>
<td>3Ø16</td>
<td>Ø10@200</td>
</tr>
<tr>
<td>4 m</td>
<td>0.24 x 0.4</td>
<td>3Ø12</td>
<td>3Ø16+2Ø12</td>
<td>Ø10@200</td>
</tr>
</tbody>
</table>

Lintels Details

<table>
<thead>
<tr>
<th>Span L (mm)</th>
<th>Section (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3m</td>
<td>0.24 x 0.4</td>
</tr>
<tr>
<td>4m</td>
<td>0.24 x 0.4</td>
</tr>
</tbody>
</table>

Typical bent points of Bent and Cut off Points.

Detail of Beam B1

6Ø16 mm
Ø10mm@20cm
40cm
18cm

Detail of H.B

5Ø16 mm
Ø10mm@20cm
Detail of Beam B1

Full Rehabilitation of Sub PHCC
Full Rehabilitation of Sub PHCC

- P.C Pipes
- P.C Pipes 4
- P.P.R Pipes 3.4
- P.P.R Pipes 1

Ground floor Plan For distribution of Hot/Cold water Pipes and Sewage Pipes
Full Rehabilitation of Sub PHCC

Roof floor Plan For
distribution of Hot /Cold water Pipes
  and Sewage Pipes

Galvanized pipe of 1.5"

Galvanized pipe of 1"

W.T 2000 L  W.T 2000 L
Septic tank of 5x3x2m dimensions

- **Solid blocks (15x20x30cm)**
- **Foundation with 21 Mpa Concrete**
- **Manhole (60 x 60 cm)**
- **∅12mm@300mm Top&Bot.**

**Full Rehabilitation of Sub PHCC**
Ground Floor Plan
Air-Conditioning Split
### MAIN DISTRIBUTION BOARD INDOOR INSTALLATION IP54

<table>
<thead>
<tr>
<th>No.</th>
<th>Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>![Symbol]</td>
<td>13A, 230V SINGLE SOCKET OUTLET INSTALLED AT 45cm ABOVE F.F.L</td>
</tr>
<tr>
<td>2</td>
<td>![Symbol]</td>
<td>MAIN DISTRIBUTION BOARD INDOOR INSTALLATION IP54</td>
</tr>
<tr>
<td>3</td>
<td>![Symbol]</td>
<td>CIRCUIT NUMBER</td>
</tr>
<tr>
<td>4</td>
<td>![Symbol]</td>
<td>THREE POLE (3P) MOLDED CASE CIRCUIT BREAKER</td>
</tr>
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<td>5</td>
<td>![Symbol]</td>
<td>EARTH REFERENCE</td>
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### LIGHTING SYSTEM

<table>
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<th>Symbol</th>
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<tbody>
<tr>
<td>6</td>
<td>![Symbol]</td>
<td>LED Ceiling Lights (LED Surface Lights) of 48 Watt, 36W Lumens and 60 x 60 cm dimension</td>
</tr>
<tr>
<td>7</td>
<td>![Symbol]</td>
<td>DOWN IP AT LED 30W LAMPS: WATERPROOF FOR BATHROOM</td>
</tr>
<tr>
<td>8</td>
<td>![Symbol]</td>
<td>Waterproof LED Ceiling Light (LED Surface Light) outdoor of 24 watt, 430W, 4500K and 8000 Lumens</td>
</tr>
<tr>
<td>9</td>
<td>![Symbol]</td>
<td>Modern waterproof outdoor lighting fixture (LED lamp) with 8000 lumens / Economic bulb of 60 watt</td>
</tr>
<tr>
<td>10</td>
<td>![Symbol]</td>
<td>Waterproof LED Ceiling Light (LED Surface Light) of 24 Watt, IX, 450W and 4500K Lumens for security use</td>
</tr>
</tbody>
</table>

### MAIN POWER SYSTEM

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<th>No.</th>
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<tr>
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<td>ELECTRICAL SWITCH 30A ONE WAY ONE GANG INSTALLED AT 120cm ABOVE F.F.L</td>
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<tr>
<td>12</td>
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<td>ELECTRICAL SWITCH 30A ONE WAY TWO GANG INSTALLED AT 120cm ABOVE F.F.L</td>
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<tr>
<td>13</td>
<td>![Symbol]</td>
<td>ELECTRICAL SWITCH 30A ONE WAY THREE GANG INSTALLED AT 120cm ABOVE F.F.L</td>
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<tr>
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<td>![Symbol]</td>
<td>ELECTRICAL SWITCH 30A ONE WAY FOUR GANG INSTALLED AT 120cm ABOVE F.F.L</td>
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<tr>
<td>15</td>
<td>![Symbol]</td>
<td>ELECTRICAL SWITCH 30A TWO WAY ONE GANG INSTALLED AT 120cm ABOVE F.F.L</td>
</tr>
<tr>
<td>16</td>
<td>![Symbol]</td>
<td>ELECTRICAL SWITCH 30A TWO WAY TWO GANG INSTALLED AT 120cm ABOVE F.F.L</td>
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</table>

### TELEPHONE SYSTEM

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<th>Symbol</th>
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<tbody>
<tr>
<td>17</td>
<td>![Symbol]</td>
<td>BASE HARDWARE</td>
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<tr>
<td>18</td>
<td>![Symbol]</td>
<td>TV. RECEPTACLE OUTLET</td>
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<tr>
<td>19</td>
<td>![Symbol]</td>
<td>SSL TELEPHONE CABINET BOX</td>
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<td>20</td>
<td>![Symbol]</td>
<td>TERMINAL TELEPHONE BOX</td>
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### CCTV SYSTEM

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<tr>
<td>21</td>
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<td>DOME CAMERA</td>
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<tr>
<td>22</td>
<td>![Symbol]</td>
<td>TV. RECEPTACLE OUTLET</td>
</tr>
<tr>
<td>23</td>
<td>![Symbol]</td>
<td>INTERNET WIRELESS</td>
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### FULL REHABILITATION OF SUB PHCC

- **Drawing title**: Full Rehabilitation of Sub PHCC
- **Symbols**
- **Scale**: No Scale
- **Date**: No Date
- **Sheet title**: Full Rehabilitation of Sub PHCC
- **Unit**: No Unit
Full Rehabilitation of Sub PHCC

Ground Floor Plan
Power Fixtures
Full Rehabilitation of Sub PHCC

- Drawing title: Ground Floor Plan
- Diagram: Lighting Fixture
Full Rehabilitation of Sub PHCC

- Cable tray (100*5)mm
- Cable tray (200*5)mm
- Cable tray (100*5)mm
- Galvanized Cable Trays

Ground Floor Plan

Sheet title: No Scale

Drawing title: Full Rehabilitation of Sub PHCC

Scale: No Scale
Full Rehabilitation of Sub PHCC

First Floor Plan
Fire Detection and Alarm System Plan
<table>
<thead>
<tr>
<th>CIRCUIT NO.</th>
<th>DESIGNATION LOCAL</th>
<th>INCOMER FROM SUBSTATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>400V, 300A, 2P, 3W BUS BAR</td>
</tr>
</tbody>
</table>

**Main Distribution Board**

Full Rehabilitation of Sub PHCC
Full Rehabilitation of Sub PHCC

Drawing title: Distribution Board

Scale: No Scale

Date

Sheet title

Unit