SECTION OF TRANSFORMER

=133.0X1/0.9 (P.F)
=147.77 KVA
+10% SPARE =14.77 KVA
163 KVA

RECOMMENDED

200 KVA TRANSFORMER

200KVA
11/0.415,
50 HZ,OIL COOLED

POLE TRANSFORMER /
FLOOR MOUNTED
TRANSFORMER

DG SET
(160 KVA)

SECTION OF DG

=133.0X1/0.8 (P.F)
=166.25 KVA

RECOMMENDED

160 KVA

2x3.5Cx150Sqmm XLPE
AL. ARMOURED CABLE

1x3.5Cx150Sqmm XLPE
AL. ARMOURED CABLE

MAIN LT PANEL

CONNECTED LOAD = 231.1 KW
MAX. DEMAND LOAD = 166.1 KW

MD OVERALL DIVERSITY 80%
133.0 KW

MCB R Y B

400A,4P, MCCB
35 KA, (MOTORIZED)

400/5A
CL-1, 15VA

250A,4P
MCCB
25 KA, (MOTORIZED)

250A,4P, MCCB
25 KA (MOTORIZED)

250/5A
CL-1, 15VA

ELECTRICAL INTER LOCKED

400A 4P AL-BUSBARS

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