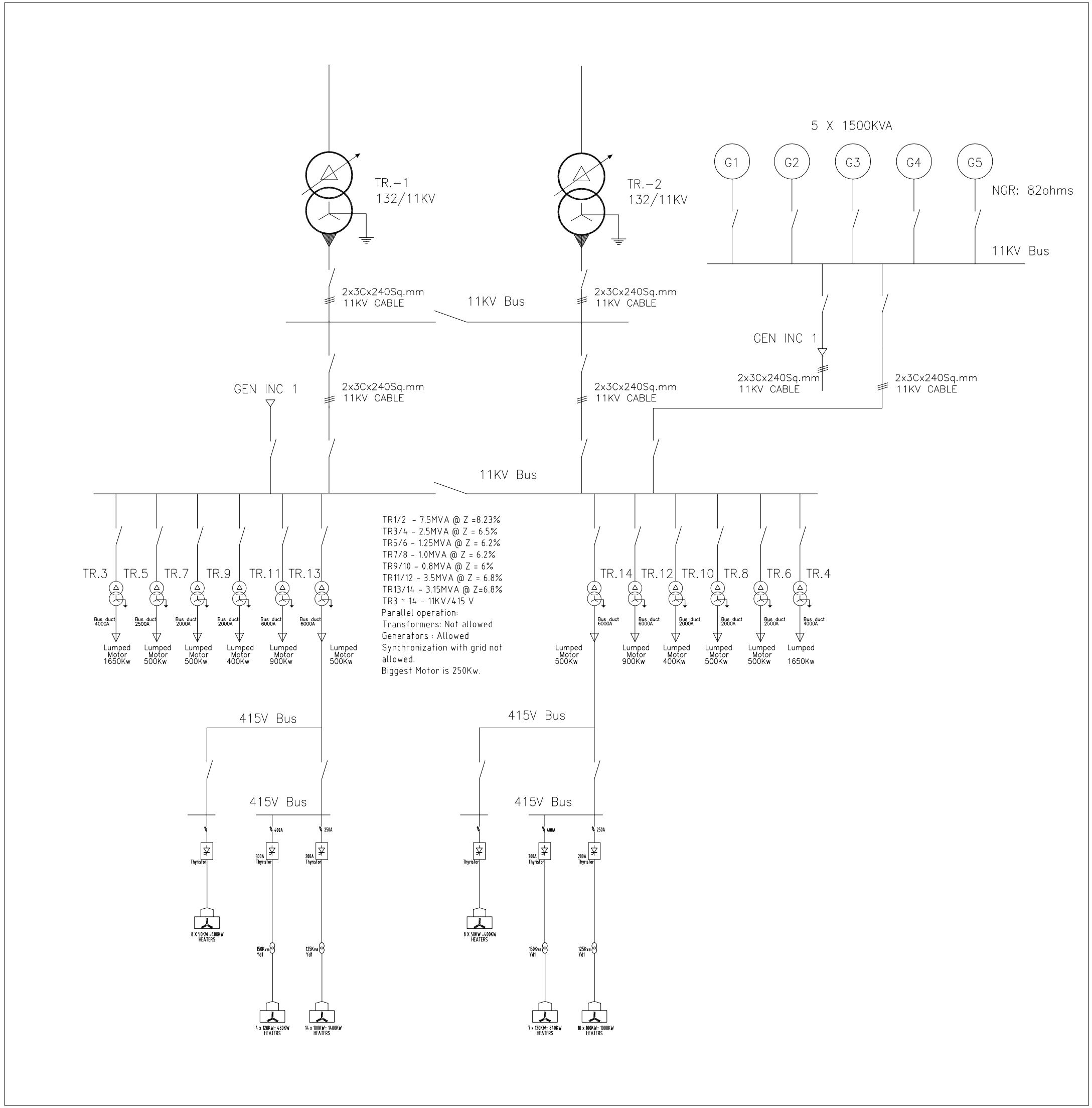
TR.-1
132/11KV
TR.-2
132/11KV
5 X 1500KVA
G1
G2
G3
G4
G5
NGR: 82ohms
11KV Bus
2x3Cx240Sq.mm
11KV CABLE
11KV Bus
2x3Cx240Sq.mm
11KV CABLE
GEN INC 1
2x3Cx240Sq.mm
11KV CABLE
2x3Cx240Sq.mm
11KV CABLE
GEN INC 1
2x3Cx240Sq.mm
11KV CABLE
2x3Cx240Sq.mm
11KV CABLE
11KV Bus
TR1/2 - 7.5MVA @ Z =8.23%
TR3/4 - 2.5MVA @ Z = 6.5%
TR5/6 - 1.25MVA @ Z = 6.2%
TR7/8 - 1.0MVA @ Z = 6.2%
TR9/10 - 0.8MVA @ Z = 6%
TR11/12 - 3.5MVA @ Z = 6.8%
TR13/14 - 3.15MVA @ Z=6.8%
TR3 ~ 14 - 11KV/415 V
Parallel operation:
Transformers: Not allowed
Generators : Allowed
Synchronization with grid not allowed.
Biggest Motor is 250Kw.
TR.3
TR.5
TR.7
TR.9
TR.11
TR.13
TR.14
TR.12
TR.10
TR.8
TR.6
TR.4
Bus duct 4000A
Bus duct 2500A
Bus duct 2000A
Bus duct 2000A
Bus duct 6000A
Bus duct 6000A
Bus duct 6000A
Bus duct 6000A
Bus duct 2000A
Bus duct 2000A
Bus duct 2500A
Bus duct 4000A
Lumped Motor 1650Kw
Lumped Motor 500Kw
Lumped Motor 500Kw
Lumped Motor 400Kw
Lumped Motor 900Kw
Lumped Motor 500Kw
Lumped Motor 500Kw
Lumped Motor 900Kw
Lumped Motor 400Kw
Lumped Motor 500Kw
Lumped Motor 500Kw
Lumped 1650Kw
415V Bus
415V Bus
415V Bus
415V Bus
400A
250A
400A
250A
Thyristor
300A Thyristor
200A Thyristor
Thyristor
300A Thyristor
200A Thyristor
8 X 50KW =400KW HEATERS
150Kva Yd1
125Kva Yd1
8 X 50KW =400KW HEATERS
150Kva Yd1
125Kva Yd1
4 x 120KW= 480KW HEATERS
14 x 100KW= 1400KW HEATERS
7 x 120KW= 840KW HEATERS
10 x 100KW= 1000KW HEATERS