ENERGY FLOW DIAGRAM FOR TRANSMISSION LOSSES (2014- 2015)

INPUT ENERGY IN KPTCL GRID = 73118 MU
ENERGY AT INTERFACE POINT = 70252 MU
PERCENTAGE TRANS LOSSES = 3.92 %

RAMAGUNDAM 2X500 5X220 2100MW
R T P S
CUDDAPHA
GOOTY
GUDDADAHALLI
400KV BUS

NYVELI 2X250 5X210 1550MW
MAP 2X235 470MW
SELAM
400KV BUS

GOA
PONDA
MSEB
KOLHAPUR
APSEB
HYDERABAD APSEB
GOOTY
TNEB
HOSUR
KERALA
KANIAMPET
UPCL 2X600 1200MW
BTPS 2X500 1000MW
KAIGA 4X225 900MW
KADRA 2X315
KODASALLI 3X50 150MW
NAGJHARI 3X40 120MW 6X150 900MW
TALAGUPPA 3X315MVA
VARAHI 4X115 460MW
SHARAVATHI TAIL RACE 4X60 240MW
SHARAVATHI 4X210 630MW +250MW 10X103.5 1035MW
RTPS 3X210 630MW
2X315MVA
GUTTUR 2X315MVA
NELMANGALA 3X500MVA
HOODY 3X500MVA
GUDDADAHALLI
PGCL 2X315MVA
SOMANAHALLI
PGCL 2X500MVA
KOLAR(HVDC) 2X500MVA
400KV BUS

220KV BUS

KASARGOD
PONDA
NARAYANAPURA 11.6MW
GHATAPRABHA 2X16=32MW
MANI 2X4.5=9MW
LDPH 2X27.5=55MW
SUPA 2X50=100MW
MALLAPUR 2X4.5=9MW
MGHE 4X12 =120MW 4X18
MUNIRABAD 3X9=27MW
SHIVAPURA 2X9=18MW
RAYALSEEMA 27.5MW
220/110KV 1X50MVA 50MVA
220/110KV 83X100MVA 8300MVA
220/110KV 2X55MVA 110MVA
220/66KV 2X67.5MVA 135 MVA
220/66KV 1X60MVA +1X50MVA 110MVA
220/66KV 2X75 MVA 150MVA
220/66KV 84X100MVA 8400MVA
220/66KV 15X150MVA 2250MVA
220KV BUS

110KV BUS
110KV BUS

BHADRA 34.2MW
SHIVA 42MW
SIVASAMUDRAM 17.2MW
HEMAVATHI 8.0MW
T B DAM 14.4MW
YELAHANKA 127.92MW
1X2 1X2.2 2X12
6X3 4X6 1X6
2X8.6
2X4.0
8X1.8
6X21.32
110/33KV 1X5MVA 5 MVA
110/33KV 156X20MVA 3120MVA
110/33KV 70X10MVA 7000MVA
110/11KV 3X5MVA 15MVA
110/11KV 563X10MVA 5630MVA
110/11KV 67X20MVA 1340MVA
110/66KV 7X20MVA 140MVA
66KV BUS
66KV BUS

66KV BUS
66/11KV 60X31.5MVA 1890MVA
66/11KV 2X15MVA 30MVA
66/11KV 5X5MVA 25MVA
66/33KV 9X8MVA 72MVA
66/33KV 2X12.5MVA 25MVA
66/11KV 130X6.3MVA 819 MVA
66/11KV 375X8MVA 3000MVA
66/11KV 278X12.5MVA 3475MVA
66/11KV 208X20MVA 4160MVA

33KV BUS
33KV BUS
33KV BUS

33KV
11KV BUS
11KV BUS
11KV BUS
11KV

TOTAL ENERGY INPUT FROM 33KV & 11KV

BESCOM
MESCOM
CESC
HESCOM
GESCOM

ENERGY SOLD BY ESCOM

LINE AND TRANSFORMER LOSSES

POWER TRANS. (2300 NOS)
66KV(10687.7 CKMS)
110KV(9644.03 CKMS)
220KV(10019.46 CKMS)
400KV(2338.18 CKMS)

3.92%