APPENDIX 10-3-2

Handout of the second workshop















Conditions of screening Annual O&M Cos nstruction Life Fuel cost Cost fime Rate Hydro Coal PSPP 650 US\$/kW 40 1.0% 2.4 ¢ /kWh 0¢/kWh GT 400 US\$/kW 20 5.0% 3.9 ¢ /kWh 2.4 ¢ /kWh 600 US\$/kW 4.5% СС 25 938 US\$/kW 1.5 ¢ /kWh 30 3.5% Coal 9.0 ¢ /kWh 800 US\$/kW Diesel 15 3.0%



































- Outline of power network
- Series capacitors
- Impacts on power network by PSPP

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Power flow

- Power flow analysis and loss comparison
 Loss ratio to total demand will be about 2-3% in Y2020.
- Stability
 - In case of a fault at each 500 kV circuit

Voltage

- Differences in required reactive power in network
- Fault current
 - Confirmation of fault current at respective buses
 Some 220 kV buses in south areas will exceeds 45 kA

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