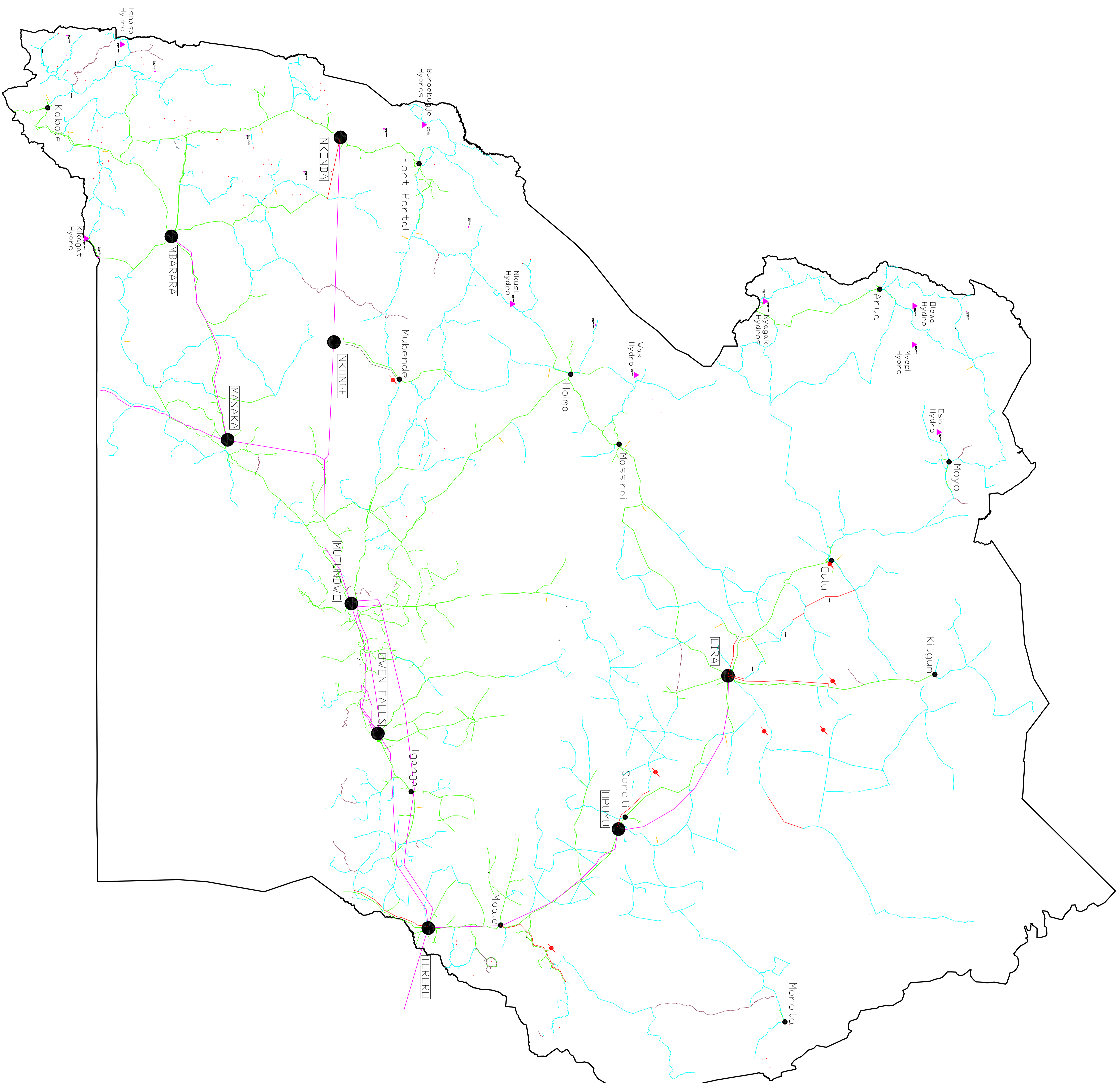


ANNEXURE 5: NETWORK DIAGRAMS

1. National line diagram
2. Uganda West system diagram
3. Uganda North system diagram
4. Lira
5. Masaka
6. Mbarara 1
7. Mbarara 2
8. Mubende
9. Opuyo
10. Tororo



- LEGEND / LEGENDE**
- Existing 132kV Lines
 - Existing 33kV Lines
 - Proposed 33kV Lines
 - Proposed Strengthening
 - Normally Open Points
 - ▲ Proposed Hydro Station
 - Other Future Hydro Stations
 - Mining Activity
 - 33kV Voltage Regulator
 - Main Substation

CLIENT / KLIENT

UGANDA

IT POWER

PROJECT / PROJEEK
UGANDA
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TITLE / TITEL
PROPOSED 33kV NETWORK
EXTENSIONS

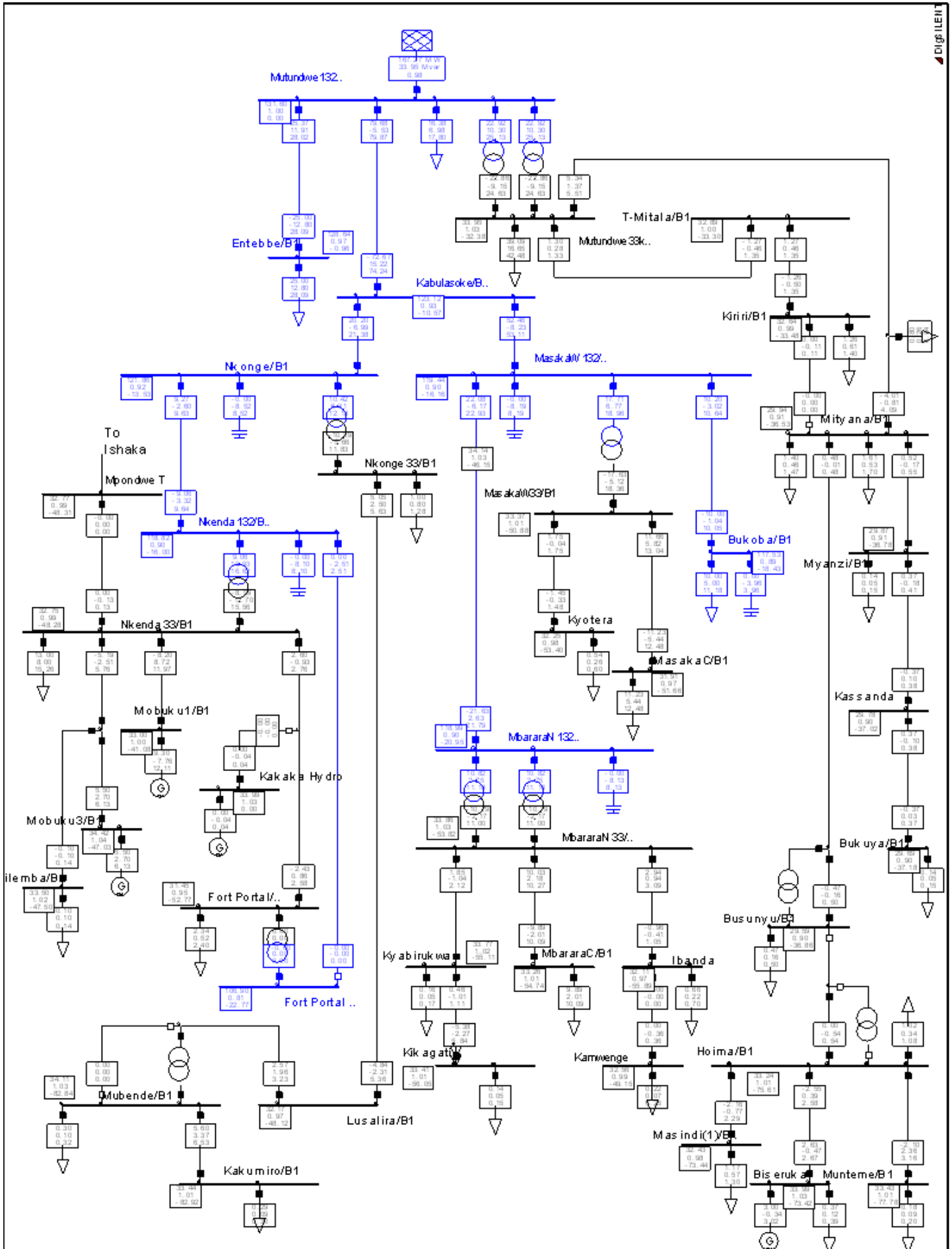
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CONCEPTUAL

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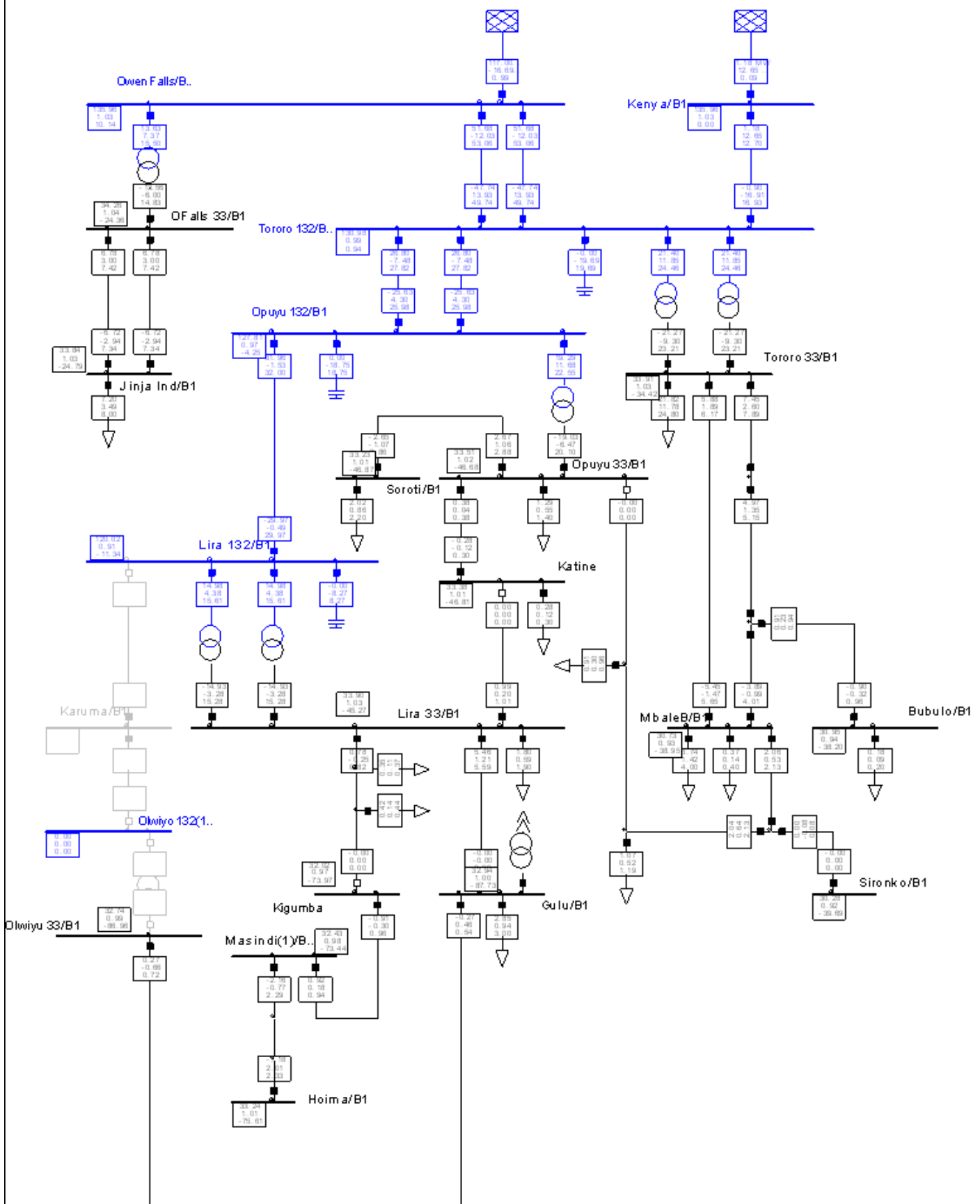
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FOR RSC CONSULTING ENGINEERS
VIA RSC MANAGEMENT CONSULTANTS



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [MVar]
Voltage, Angle [deg]	Apparent Power [MVA]

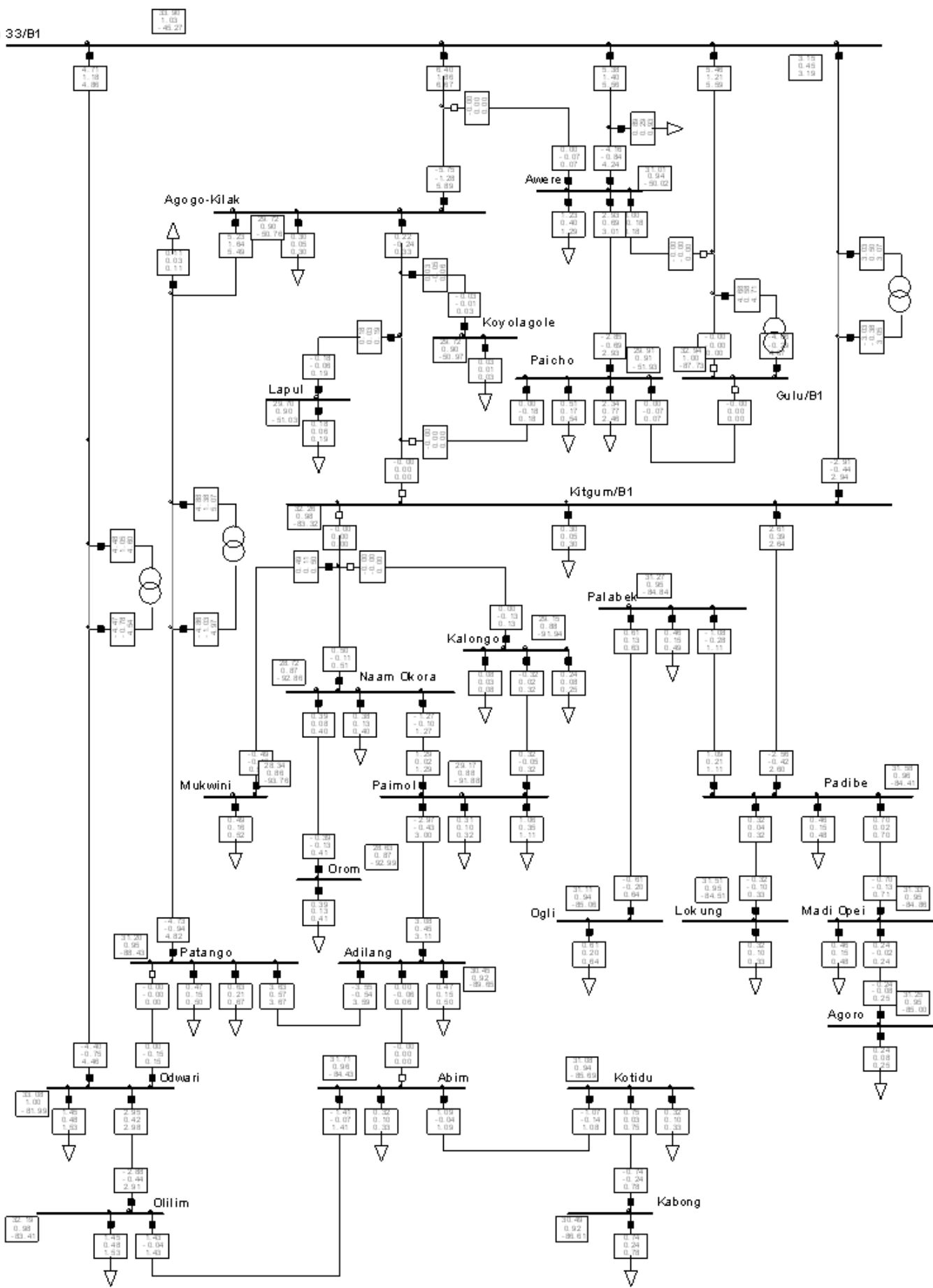
IT Power	UGANDA		Project: IREMP
	Load Flow Studies Existing Network		
Power Factor 13.2.337			Graphic: Uganda West
			Date: 4/13/2008
			Annex:



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [MVar]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power	UGANDA	Project: IREMP
	Load Flow Studies Existing Network	Graphic: Uganda North
PowerFactory 13.2.337		Date: 4/13/2008
		Annex:

Lira 33/B1

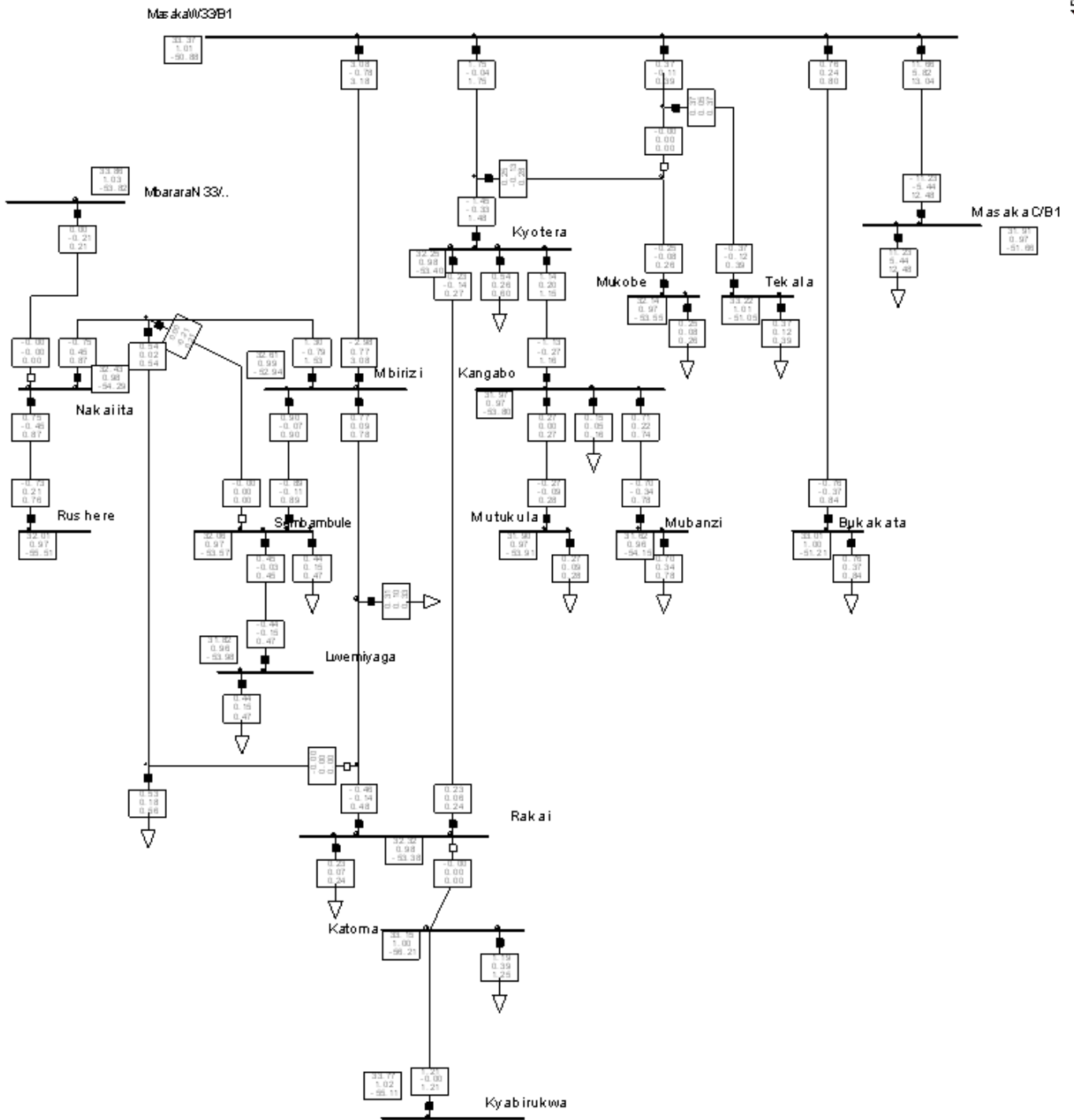


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [MVA]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power
Power Factory 13.2.337

UGANDA	
Load Flow Studies	

Project: IREMP
Graphic: Lira
Date: 4/13/2008
Annex:

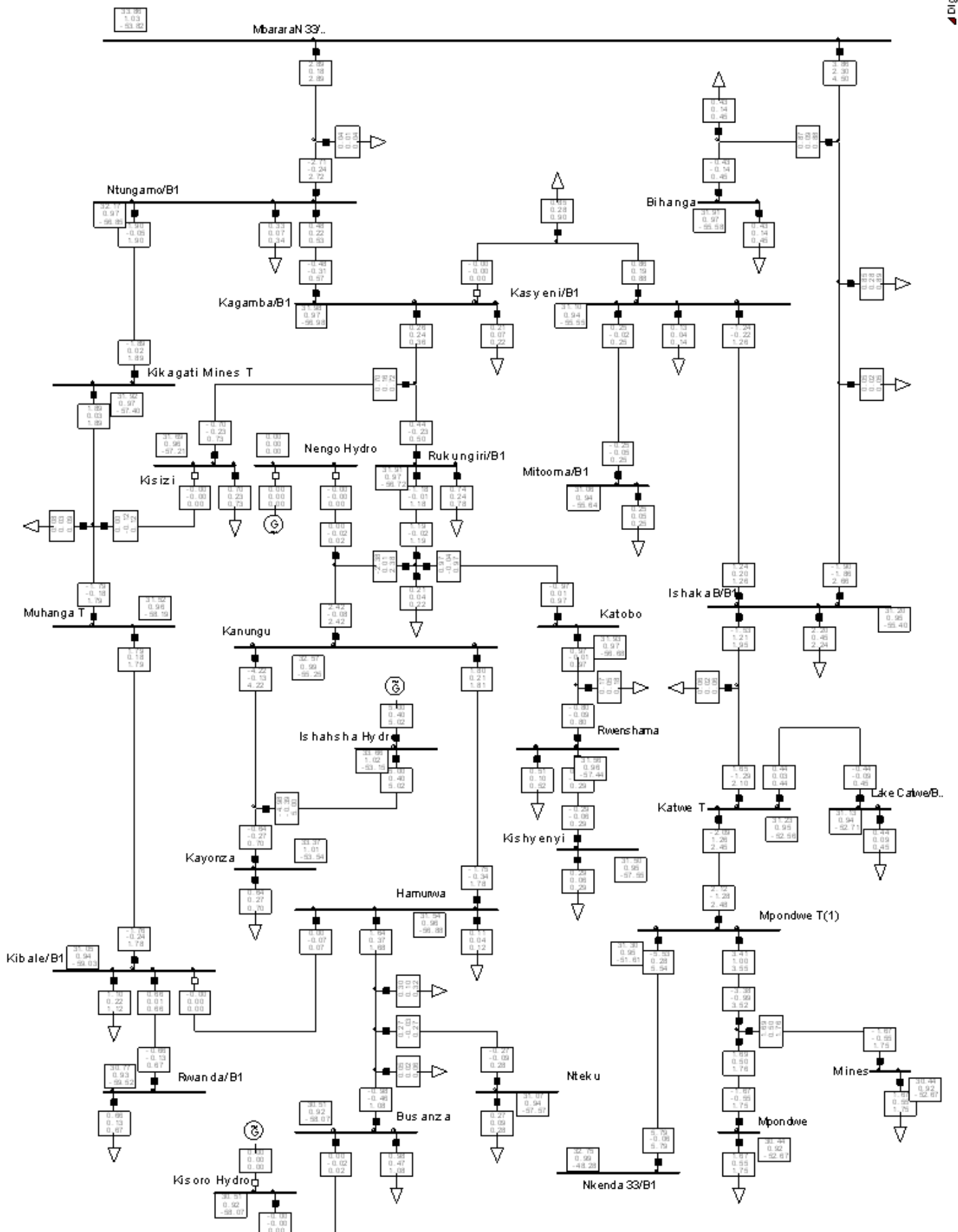


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [Mva]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power
PowerFactory 13.2.337

UGANDA
Load Flow Studies

Project: IREMP
Graphic: Masaka
Date: 4/13/2008
Annex:

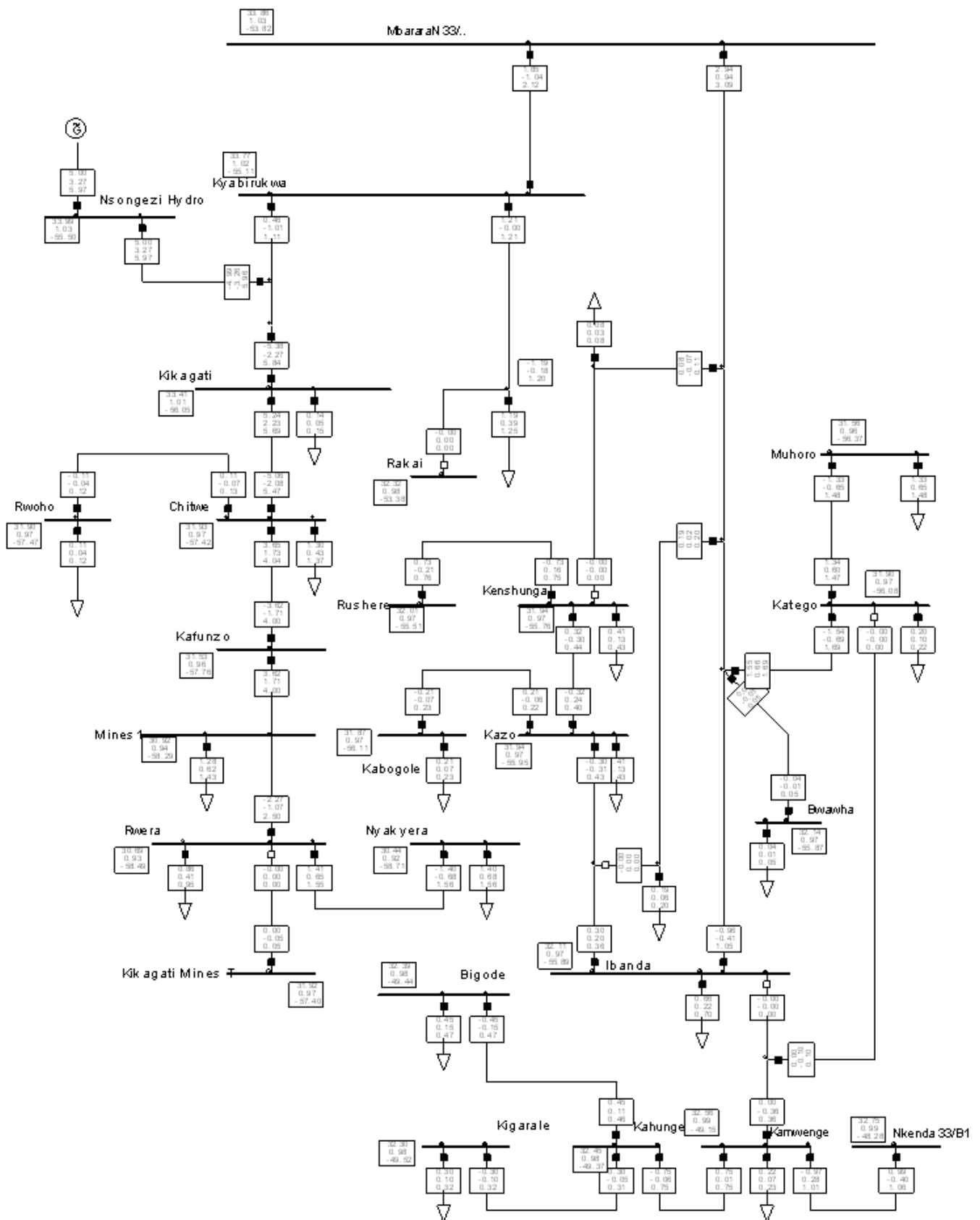


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [Mva]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power
Power Factory 13.2.337

UGANDA	
Load Flow Studies	

Project: IREMP
Graphic: Mbarara 1
Date: 4/13/2008
Annex:

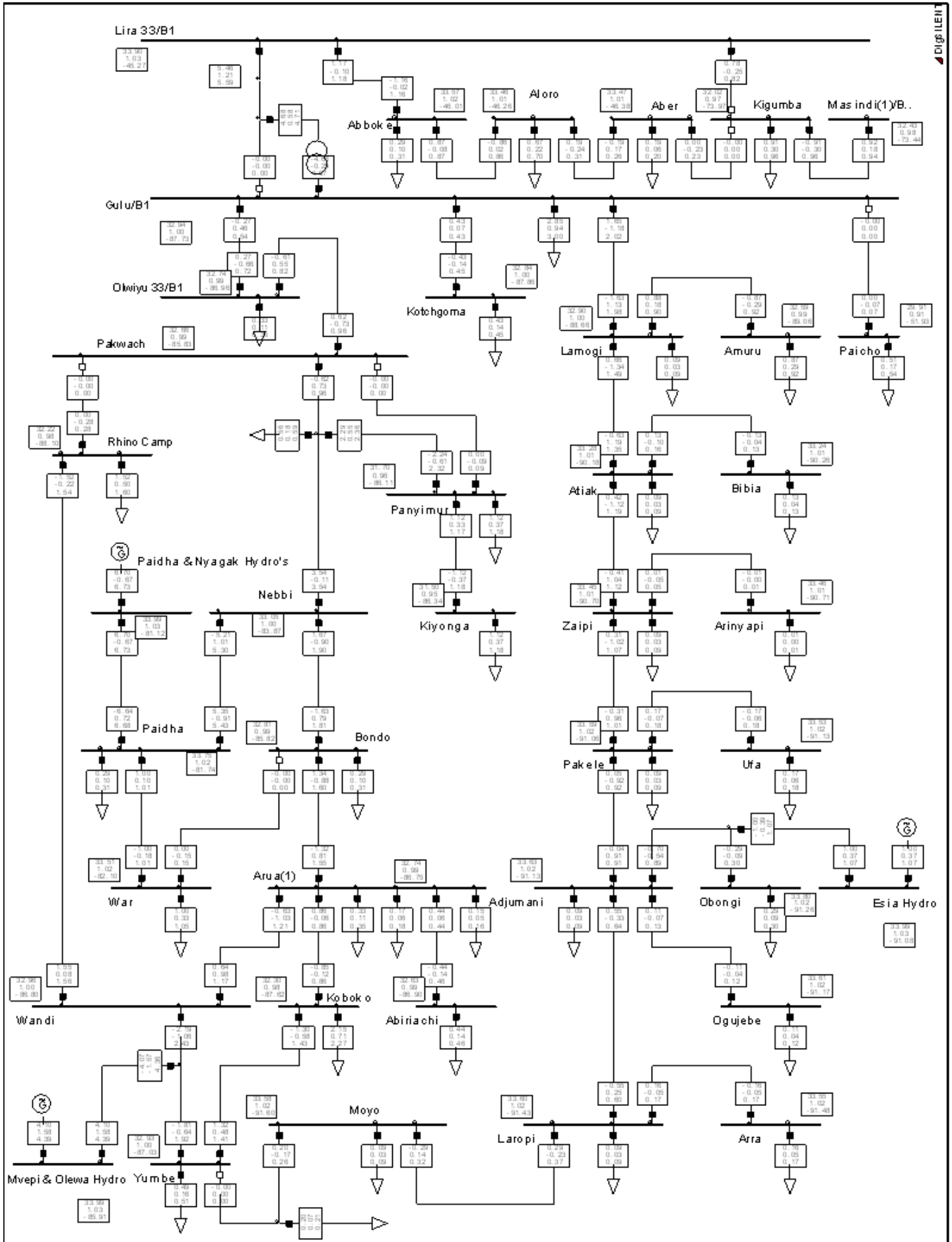


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [MVar]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power
PowerFactory 13.2.337

UGANDA
Load Flow Studies

Project: IREMP
Graphic: Mbarara 2
Date: 4/13/2008
Annex:

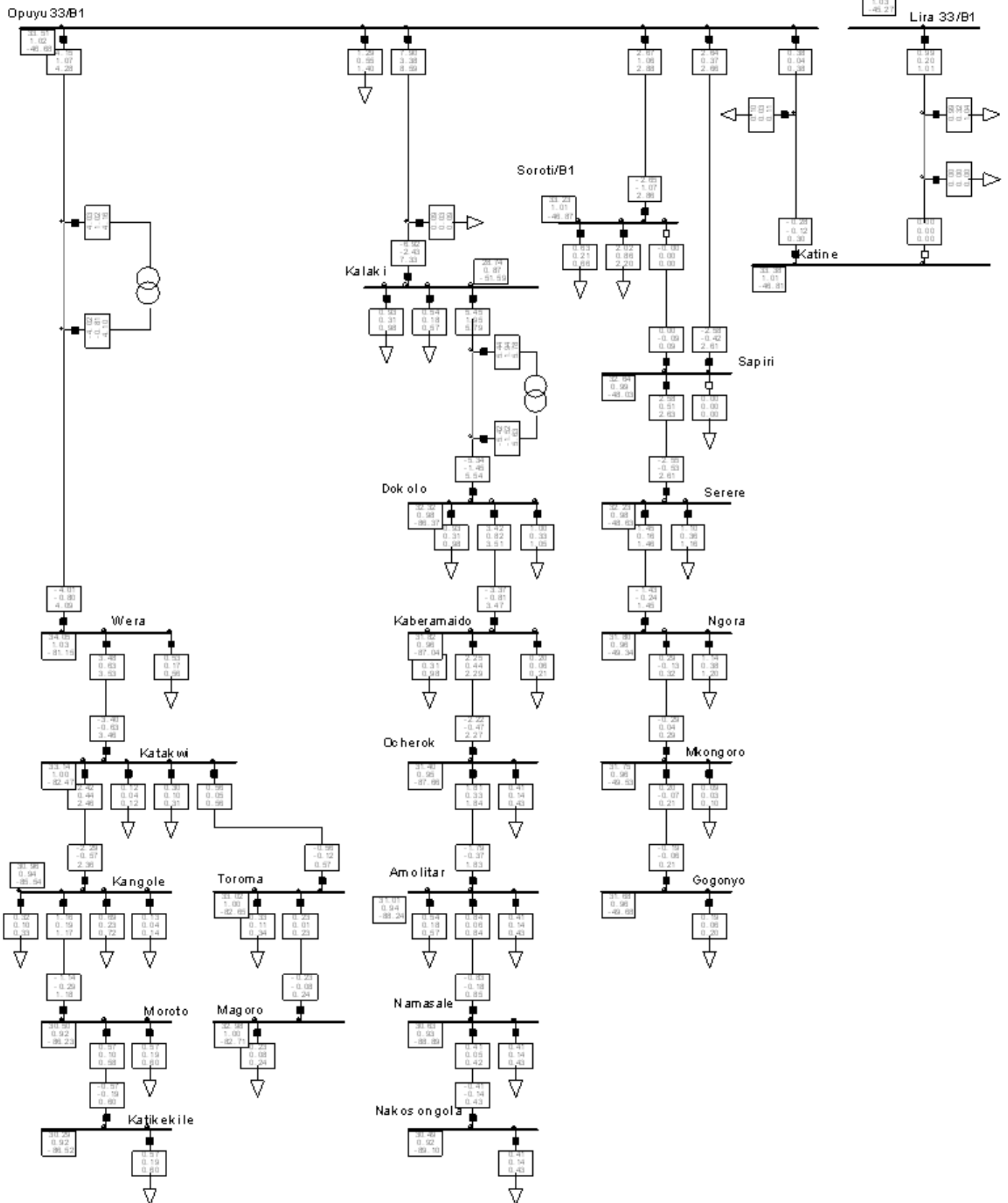


Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [MVar]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power
PowerFactory 13.2.337

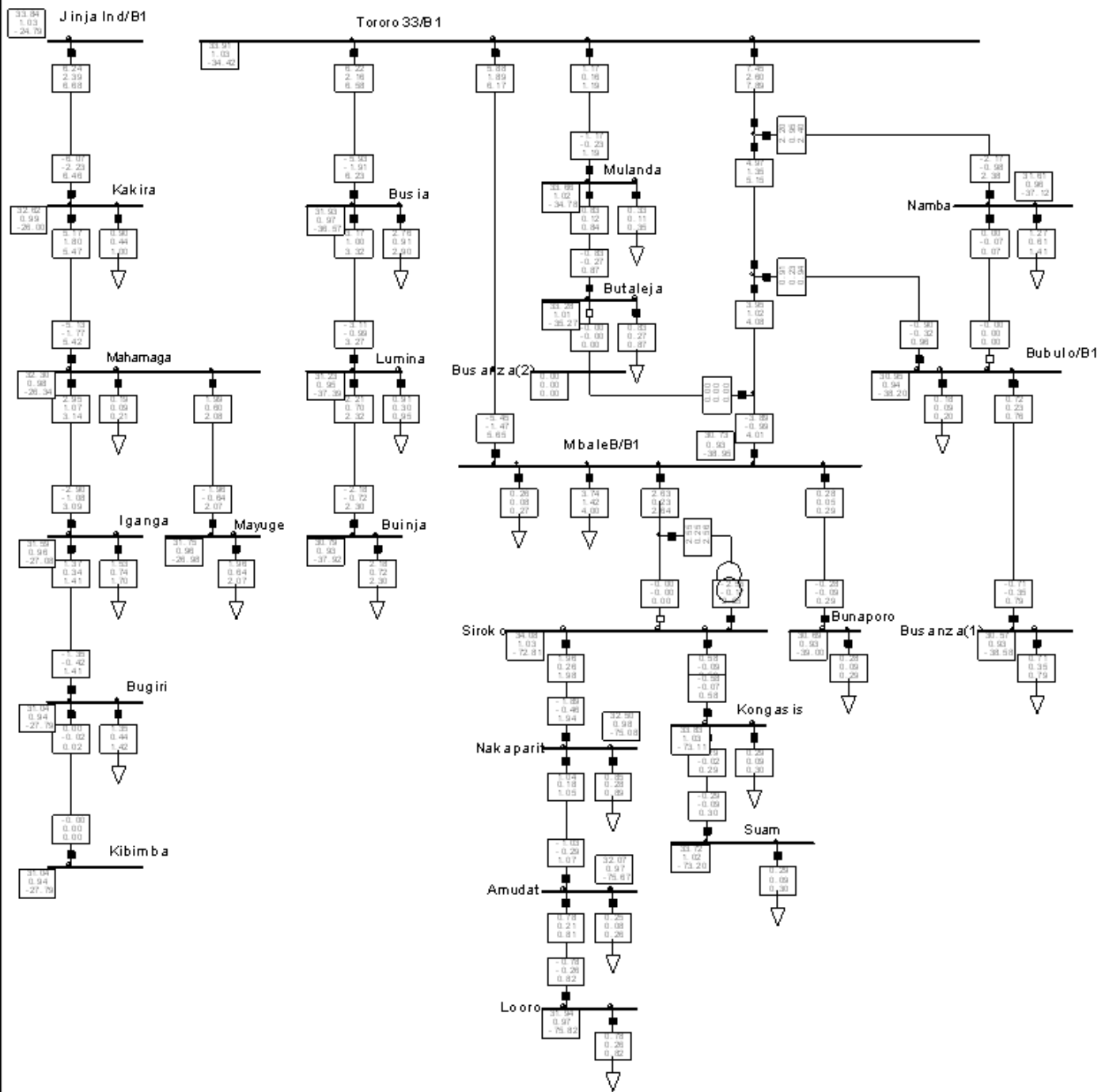
UGANDA
Load Flow Studies

Project: IREMP
Graphic: Gulu(1)
Date: 4/13/2008
Annex:



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude [kV]	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [Mvar]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power	UGANDA		Project: IREMP
	Load Flow Studies		
PowerFactory 13.2.337			Graphic: Opuyo
			Date: 4/13/2008
			Annex:



Load Flow Balanced	
Nodes	Branches
Line-Line Voltage, Magnitude	Active Power [MW]
Voltage, Magnitude [p.u.]	Reactive Power [Mva]
Voltage, Angle [deg]	Apparent Power [MVA]

IT Power
PowerFactory 13.2.337

UGANDA
Load Flow Studies

Project: IREMP
Graphic: Tororo
Date: 4/13/2008
Annex: