

Drawl by KPTCL from Grid

At ISTS network

Sl. No.	Metering point	Feeder/ICTs	Main Meter	Check Meter, if any	Standby Meter	Remarks
1	Somanahalli	400 kV side of ICT-I	(CK-01)		(CK-02)	
		400 kV side of ICT-II	(CK-03)		(CK-04)	
		Drawal at S'hally (CK-BG)*= (CK-01)+(CK-03)				
2	Kolar	400 kV side of ICT-I	(CK-11)		(CK-12)	
		400 kV side of ICT-II	(CK-66)		(CK-67)	
		33kV side of Aux. Transformer	(PG-05)			
		33kV side of Aux. Transformer	(PG-06)			
		Drawal at Kolar (CK-KL)*= (CK-11)+(CK-66)-(PG-05)-(PG-06)				
3	Raichur	400 kV Mahboobnagar line	(CK-21)		(AP-60)	
		400 kV Raichur(PG) line I	(CK-64)		(RC-13)	
		400 kV Raichur(PG) line II	(CK-65)		(RC-12)	
		Drawal at Raichur (CK-RA)*= -(CK-21)-(CK-64)-(CK-65)				
4	Guttur	400 kV Kaiga line I	(CK-74)		(kg-21)	
		400 kV Kaiga line II	(CK-75)		(kg-22)	
		400 kV Narendra line I	(CK-76)		(CK-70)	
		400 kV Narendra line II	(CK-77)		(CK-71)	
		Drawal at Guttur (CK-GU)*= -(CK-74)-(CK-75)-(CK-76)-(CK-77)				
5	Nelamangala	400 kV Bidadi line I	(CK-48)		(CT-13)	
		400 kV Bidadi line II	(CK-49)		(CT-14)	
		400 kV Gooty line	(CK-38)		(AP-89)	
		Drawal at Nelamangala(CK-NLM)*= -(CK-38)-(CK-48)-(CK-49)				
6	Hoody	400 kV Kolar line I	\$(SR-63)			\$ Meters located at the other end.
		401 kV Kolar line II	\$(SR-64)			
		Drawal at Hoody (CK-HD)*= (SR-63)*0.99+(SR-64)*0.99				
7	Bidadi	400 kV side of ICT-I	(CT-07)		(CT-08)	
		400 kV side of ICT-II	(CT-09)		(CT-10)	
		Drawal at Bidadi (CK-BD)*= (CT-07) + (CT-09)				
8	Narendra	400 kV side of ICT-I	(CK-17)		(CK-18)	
		400 kV side of ICT-II	(CK-46)		(CK-47)	
		Drawal at Narendra (CK-ND)*= +(CK-17) +(CK-46)				
9	Kaiga	220 kV Kadra line	(KG-23)			
		220 kV Kodalalli line	(KG-24)			
		Drawal at Kaiga (CK-KG)*= (KG-23)+(KG-24)				

At 220 kV/110 kV Inter-State Lines

1	Kadakola	220 kV Kaniampetta line	(CK-51)		(KL-55)	
2	Sedam	220 kV Tandur line	(CK-53)		(AP-51)	
3	Yerandahalli	220 kV Hosur line	(CK-54)		(TN-55)	
4	Bellary	220 kV Ragulapadu line	(CK-55)		(AT-52)	
5	Ambewadi	220 kV Xeldem line	(CK-58)		(GO-01)	
		220 kV Ponda line	(CK-59)		(GO-02)	
6	Konaje	110 kV Manjeswar line	(CK-52)		(KL-56)	

KPTCL's Drawl on ISTS network

$$(CK-91) = (CK-BG)+(CK-KL)+(CK-RA)+(CK-GU) + (CK-NL)+(CK-HD)+(CK-ND)+(CK-KG)+(CK-BD)$$

KPTCL's Drawl on 220/110kV inter-state lines

$$(CK-92) = (CK-51)+(CK-53)+(CK-54)+(CK-55)+(CK-58) + (CK-59)+(CK-52)$$

Total Drawl by KPTCL

$$(CK-93) = (CK-91)-(CK-92)$$

* Fictitious meters created for computations.

At ISTS network

Sl. No.	Metering point	Feeder/ICTs	Main Meter	Check Meter, if any	Standby Meter	Remarks
1	Somanahalli	400 kV side of ICT-I	(CK-01)		(CK-02)	
		400 kV side of ICT-II	(CK-03)		(CK-04)	
		Drawal at S'hally (CK-BG)*= (CK-01)+(CK-03)				
2	Munirabad	400 kV Raichur line	(CK-24)		(CK-23)	
		Drawal at Munirabad (CK-MB)= (CK-24)				
3	Kolar	400 kV side of ICT-I	(CK-11)		(CK-12)	
		400 kV side of ICT-II	(CK-66)		(CK-67)	
		33kV side of Aux. Transformer	(PG-05)			
		33kV side of Aux. Transformer	(PG-06)			
		400 kV Hoody line-I	(SR-63)			
		400 kV Hoody line-II	(SR-64)			
		Drawal at Kolar (CK-KL)*= (CK-11)+(CK-66)-(PG-05)-(PG-06)+(SR-63)+(SR-64)				
4	Narendra	400 kV side of ICT-I	(CK-17)		(CK-18)	
		400 kV side of ICT-II	(CK-46)		(CK-47)	
		Drawal at Narendra (CK-ND)*= +(CK-17) +(CK-46)				
5	Mysore	400 kV side of ICT-I	(CK-40)		(CK-41)	
		400 kV side of ICT-II	(CK-42)		(CK-43)	
		Drawal at Mysore (CK-MS)*= (CK-40)+(CK-42)				
6	Hassan	400 kV Mysore line I	(CT-01)		(CT-03)	
		400 kV Mysore line II	(CT-02)		(CT-04)	
		Drawal at Mysore (CK-HS)*= (CK-01)+(CK-02)				
7	Bidadi	400 kV side of ICT-I	(CT-07)		(CT-08)	
		400 kV side of ICT-II	(CT-09)		(CT-10)	
		Drawal at Bidadi (CK-BD)*= (CT-07) + (CT-09)				
8	Raichur	400 kV Mahboobnagar line	(CK-21)		(AP-60)	
		400 kV Munirabad line	(CK-23)		(CK-24)	
		400 kV Raichur(PG) line I	(CK-64)		(RC-13)	
		400 kV Raichur(PG) line II	(CK-65)		(RC-12)	
		Drawal at Raichur (CK-RA)*= -(CK-21)-(CK-23)-(CK-64)-(CK-65)				
9	Guttur	400 kV Kaiga line I	(CK-74)		(KG-21)	
		400 kV Kaiga line II	(CK-75)		(KG-22)	
		400 kV Narendra line I	(CK-76)		(CK-70)	
		400 kV Narendra line II	(CK-77)		(CK-71)	
		Drawal at Guttur (CK-GU)*= -(CK-74)-(CK-75)-(CK-76)-(CK-77)				
10	Nelamangala	400 kV Bidadi line I	(CK-48)		(CT-13)	
		400 kV Bidadi line II	(CK-49)		(CT-14)	
		400 kV Gooty line	(CK-38)		(AP-89)	
		400 kV Mysore line I	(CK-44)			
		400 kV Mysore line II	(CK-45)			
		Drawal at Nelamangala(CK-NL)*= -(CK-38)-(CK-48)-(CK-49)-(CK-44)-(CK-45)				

At 220 kV/110 kV Inter-State Lines

1	Kadakola	220 kV Kaniampetta line	(CK-51)		(KL-55)	
2	Sedam	220 kV Tandur line	(CK-53)		(AP-51)	
3	Yerandahalli	220 kV Hosur line	(CK-54)		(TN-55)	
4	Bellary	220 kV Ragulapadu line	(CK-55)		(AT-52)	
5	Ambewadi	220 kV Xeldem line	(CK-58)		(GO-01)	
		220 kV Ponda line	(CK-59)		(GO-02)	
6	Konaje	110 kV Manjeswar line	(CK-52)		(KL-56)	

KPTCL's Drawl on ISTS network

$$(CK-91) = (CK-BG)+(CK-MB)+(CK-KL)+(CK-ND)+(CK-MS) \\ +(CK-HS)+(CK-BD)+(CK-RA)+(CK-GU)+(CK-NL)$$

KPTCL's Drawl on 220/110kV inter-state lines

$$(CK-92) = (CK-51)+(CK-53)+(CK-54)+(CK-55)+(CK-58) \\ +(CK-59)+(CK-52)$$

Total Drawl by KPTCL

$$(CK-93) = (CK-91)-(CK-92)$$

* Fictitious meters created for computations.