

Annexure-II(a)

SUMMARY

		AREA TOTALS IN MW/MVAR												DESIRED NET INT
X--	AREA --X	FROM GENE- RATION	-----AT FROM IND GENERATN	AREA TO IND MOTORS	BUSES----- TO LOAD	TO BUS SHUNT	TO GNE BUS DEVICES	TO LINE SHUNT	TO XFRMR MAGNE- TIZING	FROM CHARGING	TO LOSSES	-NET TO TIE LINES	INTERCHANGE- TO TIES + LOADS	
4201		13794.2	0.0	0.0	21598.5	0.0	0.0	0.0	0.0	0.0	469.5	-8273.8	-8273.8	0.0
TELANGANA		347.2	0.0	0.0	3494.6	3464.5	0.0	1900.6	-0.0	11197.8	3533.2	-847.8	-847.8	
4202		2210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	2186.1	2186.1	0.0
RGM-TPS		-260.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	607.3	265.1	82.2	82.2	
COLUMN		16004.2	0.0	0.0	21598.5	0.0	0.0	0.0	0.0	0.0	493.5	-6087.8	-6087.8	0.0
TOTALS		87.2	0.0	0.0	3494.6	3464.5	0.0	1900.6	0.0	11805.1	3798.3	-765.6	-765.6	

Annexure-II(b)

Bus Report

RATING %MVA FOR TRANSFORMERS
SET 2 %MVA FOR NON-TRANSFORMER BRANCHES

BUS 422001	TANDUR	220.00	CKT	MW	MVAR	MVA	% 0.9801PU	-35.12	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422001
							215.63KV			MW	MVAR	4201	TELANGANA		4201	TS_SPDCL		
TO 421066	TANDUR	132.00	1	16.6	-1.9	16.7	17 1.0000LK			0.07	0.37	4201	TELANGANA		4201	TS_SPDCL		
TO 421066	TANDUR	132.00	2	16.6	-1.9	16.7	17 1.0000LK			0.07	0.37	4201	TELANGANA		4201	TS_SPDCL		
TO 421066	TANDUR	132.00	3	16.6	-1.9	16.7	17 1.0000LK			0.07	0.37	4201	TELANGANA		4201	TS_SPDCL		
TO 422054	SHANKARPALLY	220.00	Z1	-49.7	5.7	50.1	24			0.29	1.89	4201	TELANGANA		4201	TS_SPDCL		
BUS 422002	CHNDRYNGUTTA	220.00	CKT	MW	MVAR	MVA	% 0.9802PU	-32.87	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422002
							215.64KV			MW	MVAR	4201	TELANGANA		4201	TS_SPDCL		
TO 421011	CHGUTTA	132 132.00	1	74.3	12.7	75.4	47 1.0000LK			0.92	4.66	4201	TELANGANA		4201	TS_SPDCL		
TO 421011	CHGUTTA	132 132.00	2	74.3	12.7	75.4	47 1.0000LK			0.92	4.66	4201	TELANGANA		4201	TS_SPDCL		
TO 421413	CHGUTTA-2	132.00	3	74.3	12.7	75.4	47 1.0000LK			0.92	4.66	4201	TELANGANA		4201	TS_SPDCL		
TO 421413	CHGUTTA-2	132.00	4	74.3	12.7	75.4	47 1.0000LK			0.92	4.66	4201	TELANGANA		4201	TS_SPDCL		
TO 422003	GHANAPUR	220.00	Z1	-59.4	-42.3	72.9	35			0.28	1.50	4201	TELANGANA		4201	TS_SPDCL		
TO 422031	MMP 220 BUS	220.00	Z1	-78.1	15.0	79.6	38			0.23	1.21	4201	TELANGANA		4201	TS_SPDCL		
TO 422037	HIAL	220.00	Z1	-71.2	18.9	73.7	35			0.17	0.88	4201	TELANGANA		4201	TS_SPDCL		
TO 422068	BONGLUR	220.00	Z1	-101.2	1.9	101.2	49			0.23	1.18	4201	TELANGANA		4201	TS_SPDCL		
TO 422068	BONGLUR	220.00	Z2	-101.2	1.9	101.2	49			0.23	1.18	4201	TELANGANA		4201	TS_SPDCL		
TO 422091	IMLIBUN GIS	220.00	C2	48.7	0.3	48.7	16			0.03	0.19	4201	TELANGANA		4201	TS_SPDCL		
TO 422131	CHANCHALGUDA	220.00	C1	112.0	-6.5	112.2	38			0.04	0.33	4201	TELANGANA		4201	TS_SPDCL		
TO 422155	KACHA SINGAR	220.00	Z1	-46.6	-40.1	61.5	30			0.19	1.01	4201	TELANGANA		4201	TS_SPDCL		
BUS 422003	GHANAPUR	220.00	CKT	MW	MVAR	MVA	% 0.9949PU	-32.01	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422003
							218.89KV			MW	MVAR	4201	TELANGANA		4201	TS_SPDCL		
TO 421015	GHANAPUR	132.00	1	64.2	4.7	64.3	40 1.0000LK			0.65	3.29	4201	TELANGANA		4201	TS_SPDCL		
TO 421015	GHANAPUR	132.00	2	64.2	4.7	64.3	40 1.0000LK			0.65	3.29	4201	TELANGANA		4201	TS_SPDCL		
TO 421015	GHANAPUR	132.00	3	40.1	2.9	40.2	40 1.0000LK			0.41	2.06	4201	TELANGANA		4201	TS_SPDCL		
TO 422002	CHNDRYNGUTTA	220.00	Z1	59.6	39.0	71.3	34			0.28	1.50	4201	TELANGANA		4201	TS_SPDCL		
TO 422020	MOULALI	220.00	Z1	106.7	-41.0	114.3	55			0.15	0.91	4201	TELANGANA		4201	TS_SPDCL		
TO 422075	NAGOLE	220.00	M1	121.7	-3.3	121.7	52			0.37	2.30	4201	TELANGANA		4201	TS_SPDCL		
TO 422075	NAGOLE	220.00	M2	121.7	-3.3	121.7	52			0.37	2.30	4201	TELANGANA		4201	TS_SPDCL		
TO 422076	HAYATHNAGAR	220.00	MC	40.6	2.8	40.7	17			0.05	0.27	4201	TELANGANA		4201	TS_SPDCL		
TO 422092	POCHARAM	220.00	Z1	89.1	-30.5	94.2	45			0.07	0.39	4201	TELANGANA		4201	TS_SPDCL		
TO 422155	KACHA SINGAR	220.00	M1	50.1	13.0	51.8	22			0.04	0.23	4201	TELANGANA		4201	TS_SPDCL		
TO 422155	KACHA SINGAR	220.00	Z2	89.6	24.2	92.9	45			0.08	0.41	4201	TELANGANA		4201	TS_SPDCL		
TO 424003	GHANAPUR	400.00	1	-184.7	-2.9	184.8	59 1.0000UN			0.68	13.68	4201	TELANGANA		4201	TS_SPDCL		

TO 424003	GHANAPUR	400.00	2	-184.7	-2.9	184.8	59	1.0000UN		0.68	13.68	4201	TELANGANA	4201	TS_SPDCL				
TO 424003	GHANAPUR	400.00	3	-184.7	-2.9	184.8	59	1.0000UN		0.68	13.68	4201	TELANGANA	4201	TS_SPDCL				
TO 424003	GHANAPUR	400.00	4	-293.2	-4.6	293.3	59	1.0000UN		1.09	21.72	4201	TELANGANA	4201	TS_SPDCL				
BUS 422004	HWP	220.00	CKT	MW	MVAR	MVA	%	1.0003PU	-25.20	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422004
FROM GENERATION				59.5	-7.0L	59.9	73	220.08KV		MW	MVAR	4201	TELANGANA	4203	TS_NPDCL				
TO 422007	MANUGURU	220.00	Z1	29.8	-3.5	30.0	14			0.01	0.06	4201	TELANGANA	4203	TS_NPDCL				
TO 422007	MANUGURU	220.00	Z2	29.8	-3.5	30.0	14			0.01	0.06	4201	TELANGANA	4203	TS_NPDCL				
BUS 422005	KTPS-ABC	220.00	CKT	MW	MVAR	MVA	%	0.9999PU	-26.36	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422005
								219.97KV		MW	MVAR	4201	TELANGANA	4203	TS_NPDCL				
TO 412038	NUNNA	220.00	Z1	37.0	17.4	40.9	20			0.16	0.92	4101	ANDRAPRADESH	4115	AP-KRISHNA				
TO 421031	KOTAGDEM	132.00	1	22.4	-1.6	22.4	45	1.0000LK		0.25	0.98	4201	TELANGANA	4203	TS_NPDCL				
TO 421031	KOTAGDEM	132.00	2	22.4	-1.6	22.4	45	1.0000LK		0.25	0.98	4201	TELANGANA	4203	TS_NPDCL				
TO 422006	MIRYALAGUDA	220.00	Z1	3.6	-5.5	6.6	3			0.02	0.08	4201	TELANGANA	4201	TS_SPDCL				
TO 422007	MANUGURU	220.00	Z1	-48.9	5.8	49.2	24			0.17	0.89	4201	TELANGANA	4203	TS_NPDCL				
TO 422028	WKP 220KV SS	220.00	Z1	38.8	-5.7	39.3	19			0.35	1.88	4201	TELANGANA	4203	TS_NPDCL				
TO 422085	KTPS-V	220.00	Z1	-23.5	-15.2	28.0	13			0.00	0.01	4201	TELANGANA	4203	TS_NPDCL				
TO 422085	KTPS-V	220.00	Z2	-23.5	-15.2	28.0	13			0.00	0.01	4201	TELANGANA	4203	TS_NPDCL				
TO 422130	VK RAMAVARAM	220.00	M1	-18.4	21.5	28.3	12			0.02	0.13	4201	TELANGANA	4205	TS_LIS				
TO 422137	BGKOTHUR	220.00	Z1	-9.9	0.2	9.9	5			0.00	0.03	4201	TELANGANA	4205	TS_LIS				
BUS 422006	MIRYALAGUDA	220.00	CKT	MW	MVAR	MVA	%	0.9892PU	-26.56	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422006
								217.62KV		MW	MVAR	4201	TELANGANA	4201	TS_SPDCL				
TO 421034	MIRYALAGUDA	132.00	1	110.0	24.9	112.8	70	1.0000LK		2.03	10.25	4201	TELANGANA	4201	TS_SPDCL				
TO 421034	MIRYALAGUDA	132.00	2	68.8	15.6	70.5	71	1.0000LK		1.27	6.41	4201	TELANGANA	4201	TS_SPDCL				
TO 421034	MIRYALAGUDA	132.00	3	68.8	15.6	70.5	71	1.0000LK		1.27	6.41	4201	TELANGANA	4201	TS_SPDCL				
TO 421034	MIRYALAGUDA	132.00	4	110.0	24.9	112.8	70	1.0000LK		2.03	10.25	4201	TELANGANA	4201	TS_SPDCL				
TO 422005	KTPS-ABC	220.00	Z1	-3.6	-18.4	18.8	9			0.02	0.08	4201	TELANGANA	4203	TS_NPDCL				
TO 422035	CHALAKURTHY	220.00	Z1	-51.8	-13.4	53.5	26			0.23	1.25	4201	TELANGANA	4201	TS_SPDCL				
TO 422074	SURYAPET	220.00	Z1	40.9	-18.9	45.0	22			0.16	0.89	4201	TELANGANA	4201	TS_SPDCL				
TO 422074	SURYAPET	220.00	Z2	40.9	-18.9	45.0	22			0.16	0.89	4201	TELANGANA	4201	TS_SPDCL				
TO 422146	DAMARACHERLA	220.00	T1	-192.0	-5.7	192.1	41			0.54	5.43	4201	TELANGANA	4201	TS_SPDCL				
TO 422146	DAMARACHERLA	220.00	T2	-192.0	-5.7	192.1	41			0.54	5.43	4201	TELANGANA	4201	TS_SPDCL				
BUS 422007	MANUGURU	220.00	CKT	MW	MVAR	MVA	%	1.0002PU	-25.32	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422007
								220.03KV		MW	MVAR	4201	TELANGANA	4203	TS_NPDCL				
TO 421037	MANUGURU	132.00	1	46.6	3.8	46.8	29	1.0000LK		0.34	1.72	4201	TELANGANA	4203	TS_NPDCL				
TO 421037	MANUGURU	132.00	2	46.6	3.8	46.8	29	1.0000LK		0.34	1.72	4201	TELANGANA	4203	TS_NPDCL				
TO 422004	HWP	220.00	Z1	-29.7	2.4	29.8	14			0.01	0.06	4201	TELANGANA	4203	TS_NPDCL				
TO 422004	HWP	220.00	Z2	-29.7	2.4	29.8	14			0.01	0.06	4201	TELANGANA	4203	TS_NPDCL				
TO 422005	KTPS-ABC	220.00	Z1	49.0	-11.1	50.3	24			0.17	0.89	4201	TELANGANA	4203	TS_NPDCL				
TO 422137	BGKOTHUR	220.00	Z1	98.5	-16.6	99.9	48			0.29	1.53	4201	TELANGANA	4205	TS_LIS				
TO 422138	BTPS	220.00	M1	-90.7	7.7	91.0	39			0.22	1.44	4201	TELANGANA	4203	TS_NPDCL				
TO 422138	BTPS	220.00	M2	-90.7	7.7	91.0	39			0.22	1.44	4201	TELANGANA	4203	TS_NPDCL				

BUS 422008	NGRJNA SAGAR	220.00	CKT	MW	MVAR	MVA	% 1.0000PU	-24.48	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422008
FROM GENERATION				570.9	-60.6R	574.1	60	220.00KV		MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 412020	SRISAILAM RB	220.00	Z1	60.3	-3.6	60.4	29			0.52	2.39	4101	ANDRAPRADESH	4117	AP-KURNOOL	
TO 412021	TALLAPLLI	220.00	T1	97.9	-21.6	100.3	21			0.04	0.59	4101	ANDRAPRADESH	4114	AP-GUNTUR	
TO 412021	TALLAPLLI	220.00	T2	97.9	-21.6	100.3	21			0.04	0.59	4101	ANDRAPRADESH	4114	AP-GUNTUR	
TO 412021	TALLAPLLI	220.00	Z3	66.7	-21.9	70.2	34			0.07	0.41	4101	ANDRAPRADESH	4114	AP-GUNTUR	
TO 421043	NAGRJGAR	132.00	1	66.4	6.6	66.7	67	1.0000LK		1.11	5.61	4201	TELANGANA	4201	TS_SPDCL	
TO 421043	NAGRJGAR	132.00	2	66.4	6.6	66.7	67	1.0000LK		1.11	5.61	4201	TELANGANA	4201	TS_SPDCL	
TO 422035	CHALAKURTHY	220.00	H1	115.3	-5.0	115.4	22			0.29	1.62	4201	TELANGANA	4201	TS_SPDCL	
BUS 422009	RSS 220KV SS	220.00	CKT	MW	MVAR	MVA	% 0.9898PU	-28.60	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422009
							217.75KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421051	RSS 132KV SS	132.00	1	36.8	2.0	36.8	23	1.0000LK		0.22	1.09	4201	TELANGANA	4203	TS_NPDCL	
TO 421051	RSS 132KV SS	132.00	2	36.8	2.0	36.8	23	1.0000LK		0.22	1.09	4201	TELANGANA	4203	TS_NPDCL	
TO 422010	RAMGUTPC	220.00	M1	-171.5	-5.2	171.5	73			0.06	0.30	4201	TELANGANA	4203	TS_NPDCL	
TO 422010	RAMGUTPC	220.00	M2	-171.5	-5.2	171.5	73			0.06	0.30	4201	TELANGANA	4203	TS_NPDCL	
TO 422021	DURSHED	220.00	Z1	105.0	18.1	106.6	51			0.95	4.95	4201	TELANGANA	4203	TS_NPDCL	
TO 422021	DURSHED	220.00	Z2	105.0	18.1	106.6	51			0.95	4.95	4201	TELANGANA	4203	TS_NPDCL	
TO 422034	NTPC 220 BUS	220.00	T3	-217.6	-4.5	217.6	47			0.05	0.24	4201	TELANGANA	4203	TS_NPDCL	
TO 422034	NTPC 220 BUS	220.00	T4	-217.6	-4.5	217.6	47			0.05	0.24	4201	TELANGANA	4203	TS_NPDCL	
TO 422036	JAGTYALA	220.00	Z1	54.4	-4.3	54.5	26			0.32	1.68	4201	TELANGANA	4203	TS_NPDCL	
TO 422036	JAGTYALA	220.00	Z2	56.0	-2.2	56.0	27			0.27	1.74	4201	TELANGANA	4203	TS_NPDCL	
TO 422036	JAGTYALA	220.00	Z3	52.4	-2.7	52.5	25			0.25	1.63	4201	TELANGANA	4203	TS_NPDCL	
TO 422055	MANDAMARRI	220.00	M1	47.7	-6.4	48.1	21			0.11	0.70	4201	TELANGANA	4203	TS_NPDCL	
TO 422056	MEDARAM	220.00	Z1	75.4	-1.9	75.4	36			0.08	0.70	4201	TELANGANA	4205	TS_LIS	
TO 422057	VEMANOOR	220.00	Z1	75.4	3.4	75.5	36			0.25	1.23	4201	TELANGANA	4205	TS_LIS	
TO 422077	MANTHANI	220.00	Z1	19.3	6.6	20.4	10			0.03	0.17	4201	TELANGANA	4203	TS_NPDCL	
TO 422078	MURMUR	220.00	M1	49.1	-4.7	49.3	21			0.05	0.32	4201	TELANGANA	4206	TS_WW	
TO 422122	RFCL	220.00	Z1	7.1	-6.1	9.4	5			0.00	0.01	4201	TELANGANA	4203	TS_NPDCL	
TO 422125	RAMPUR_LIS	220.00	Z1	57.8	-2.6	57.9	28			0.36	1.90	4201	TELANGANA	4205	TS_LIS	
BUS 422010	RAMGUTPC	220.00	CKT	MW	MVAR	MVA	% 0.9902PU	-28.50	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422010
							217.84KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422009	RSS 220KV SS	220.00	M1	171.5	5.2	171.6	73			0.06	0.30	4201	TELANGANA	4203	TS_NPDCL	
TO 422009	RSS 220KV SS	220.00	M2	171.5	5.2	171.6	73			0.06	0.30	4201	TELANGANA	4203	TS_NPDCL	
TO 424002	RSTPS NTPC	400.00	2	-171.5	-5.2	171.6	69	1.0000UN		0.59	15.02	4202	RGM-TPS	4202	RGM-TPS	
TO 424002	RSTPS NTPC	400.00	3	-171.5	-5.2	171.6	69	1.0000UN		0.59	15.02	4202	RGM-TPS	4202	RGM-TPS	
BUS 422011	SHAPURNR	220.00	CKT	MW	MVAR	MVA	% 0.9627PU	-34.61	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422011
							211.80KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421060	SHAURGAR	132.00	1	100.4	26.5	103.8	65	1.0000LK		1.82	9.17	4201	TELANGANA	4201	TS_SPDCL	
TO 421060	SHAURGAR	132.00	2	100.4	26.5	103.8	65	1.0000LK		1.82	9.17	4201	TELANGANA	4201	TS_SPDCL	
TO 421060	SHAURGAR	132.00	3	100.4	26.5	103.8	65	1.0000LK		1.82	9.17	4201	TELANGANA	4201	TS_SPDCL	

TO 422017	GACIBWLI	220.00	Z2	-11.9	-14.2	18.5	9		0.01	0.06	4201	TELANGANA	4201	TS_SPDCL		
TO 422024	MALKARAM	220.00	H1	-169.3	-24.8	171.1	32		0.95	5.04	4201	TELANGANA	4201	TS_SPDCL		
TO 422024	MALKARAM	220.00	H2	-169.3	-24.8	171.1	32		0.95	5.04	4201	TELANGANA	4201	TS_SPDCL		
TO 422072	ERRAGADDA	220.00	Z1	101.6	9.8	102.1	49		0.21	1.21	4201	TELANGANA	4201	TS_SPDCL		
TO 422073	MIYAPUR	220.00	Z1	75.2	4.0	75.3	36		0.08	0.42	4201	TELANGANA	4201	TS_SPDCL		
TO 422123	JANGOAN	220.00	Z1	-100.0	-12.0	100.7	48		1.75	9.57	4201	TELANGANA	4203	TS_NPDCL		
TO 422144	RAIDURG	220.00	Z1	-27.7	-17.3	32.6	16		0.04	0.19	4201	TELANGANA	4204	TS_GHMC		
BUS 422012	STRMPTNM	220.00	CKT	MW	MVAR	MVA	% 0.9999PU	-26.43	X---	LOSSES	---X X---	AREA	-----X	X----	ZONE	-----X 422012
							219.98KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421062	STRMPTNM	132.00	1	30.1	-3.1	30.2	30 1.0000LK		0.23	1.15	4201	TELANGANA	4203	TS_NPDCL		
TO 421062	STRMPTNM	132.00	2	30.1	-3.1	30.2	30 1.0000LK		0.23	1.15	4201	TELANGANA	4203	TS_NPDCL		
TO 422085	KTPS-V	220.00	Z1	-30.1	3.1	30.2	15		0.01	0.04	4201	TELANGANA	4203	TS_NPDCL		
TO 422085	KTPS-V	220.00	Z2	-30.1	3.1	30.2	15		0.01	0.04	4201	TELANGANA	4203	TS_NPDCL		
BUS 422013	WARANGAL	220.00	CKT	MW	MVAR	MVA	% 0.9811PU	-29.73	X---	LOSSES	---X X---	AREA	-----X	X----	ZONE	-----X 422013
							215.84KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421070	WARANGAL	132.00	1	79.0	20.6	81.7	51 1.0000LK		1.08	5.46	4201	TELANGANA	4203	TS_NPDCL		
TO 421070	WARANGAL	132.00	2	79.0	20.6	81.7	51 1.0000LK		1.08	5.46	4201	TELANGANA	4203	TS_NPDCL		
TO 421070	WARANGAL	132.00	3	79.0	20.6	81.7	51 1.0000LK		1.08	5.46	4201	TELANGANA	4203	TS_NPDCL		
TO 422040	NAGARAM	220.00	H1	-139.5	-35.1	143.8	27		0.47	2.44	4201	TELANGANA	4203	TS_NPDCL		
TO 422040	NAGARAM	220.00	H2	-139.5	-35.1	143.8	27		0.47	2.44	4201	TELANGANA	4203	TS_NPDCL		
TO 422106	MAHABUBAD	220.00	M2	-9.8	-4.6	10.9	5		0.01	0.07	4201	TELANGANA	4203	TS_NPDCL		
TO 422149	AMMAVARIPET	220.00	M1	51.7	12.8	53.3	23		0.27	1.91	4201	TELANGANA	4203	TS_NPDCL		
BUS 422014	YEDUMRAM	220.00	CKT	MW	MVAR	MVA	% 0.9761PU	-33.34	X---	LOSSES	---X X---	AREA	-----X	X----	ZONE	-----X 422014
							214.74KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421071	YEDUMRAM	132.00	1	61.8	8.5	62.4	39 1.0000LK		0.64	3.22	4201	TELANGANA	4201	TS_SPDCL		
TO 421071	YEDUMRAM	132.00	2	61.8	8.5	62.4	39 1.0000LK		0.64	3.22	4201	TELANGANA	4201	TS_SPDCL		
TO 421071	YEDUMRAM	132.00	3	61.8	8.5	62.4	39 1.0000LK		0.64	3.22	4201	TELANGANA	4201	TS_SPDCL		
TO 422054	SHANKARPALLY	220.00	M2	-78.6	-13.5	79.8	34		0.08	0.53	4201	TELANGANA	4201	TS_SPDCL		
TO 422054	SHANKARPALLY	220.00	Z1	-82.7	-10.3	83.3	40		0.11	0.55	4201	TELANGANA	4201	TS_SPDCL		
TO 422116	KETHIREDDYPA	220.00	Z1	-24.1	-1.6	24.2	12		0.02	0.15	4201	TELANGANA	4201	TS_SPDCL		
BUS 422015	DICHPALLY	220.00	CKT	MW	MVAR	MVA	% 0.9981PU	-29.82	X---	LOSSES	---X X---	AREA	-----X	X----	ZONE	-----X 422015
							219.57KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421077	DICHPALLY	132.00	1	83.5	16.3	85.1	53 1.0000LK		1.14	5.73	4201	TELANGANA	4203	TS_NPDCL		
TO 421077	DICHPALLY	132.00	2	83.5	16.3	85.1	53 1.0000LK		1.14	5.73	4201	TELANGANA	4203	TS_NPDCL		
TO 421077	DICHPALLY	132.00	3	52.2	10.2	53.2	53 1.0000LK		0.71	3.58	4201	TELANGANA	4203	TS_NPDCL		
TO 421077	DICHPALLY	132.00	4	83.5	16.3	85.1	53 1.0000LK		1.14	5.73	4201	TELANGANA	4203	TS_NPDCL		
TO 422016	DCPL 220 BUS	220.00	T1	-138.2	-40.0	143.9	31		0.04	0.51	4201	TELANGANA	4203	TS_NPDCL		
TO 422016	DCPL 220 BUS	220.00	T2	-138.2	-40.0	143.9	31		0.04	0.51	4201	TELANGANA	4203	TS_NPDCL		
TO 422016	DCPL 220 BUS	220.00	Z1	-104.9	-17.7	106.4	51		0.07	0.37	4201	TELANGANA	4203	TS_NPDCL		
TO 422016	DCPL 220 BUS	220.00	Z2	-104.9	-17.7	106.4	51		0.07	0.37	4201	TELANGANA	4203	TS_NPDCL		

TO 422032	BHEEMGAL	220.00	Z1	147.1	42.3	153.1	74		1.02	5.28	4201	TELANGANA	4203	TS_NPDCL	
TO 422151	KATHALAPUR	220.00	Z1	36.2	13.9	38.8	19		0.14	0.81	4201	TELANGANA	4203	TS_NPDCL	
BUS 422016	DCPL 220	BUS220.00	CKT	MW	MVAR	MVA	% 0.9993PU	-29.63	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422016
							219.84KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL
TO 422015	DICHPALLY220	220.00	T1	138.2	39.7	143.8	31		0.04	0.51	4201	TELANGANA	4203	TS_NPDCL	
TO 422015	DICHPALLY220	220.00	T2	138.2	39.7	143.8	31		0.04	0.51	4201	TELANGANA	4203	TS_NPDCL	
TO 422015	DICHPALLY220	220.00	Z1	104.9	17.5	106.4	51		0.07	0.37	4201	TELANGANA	4203	TS_NPDCL	
TO 422015	DICHPALLY220	220.00	Z2	104.9	17.5	106.4	51		0.07	0.37	4201	TELANGANA	4203	TS_NPDCL	
TO 422094	RENEW_DCPL	220.00	M1	-60.6	4.8	60.8	26		0.15	0.97	4201	TELANGANA	4203	TS_NPDCL	
TO 422094	RENEW_DCPL	220.00	M2	-60.6	4.8	60.8	26		0.15	0.97	4201	TELANGANA	4203	TS_NPDCL	
TO 422127	BANSWADA	220.00	M1	61.2	6.6	61.5	26		0.41	2.65	4201	TELANGANA	4203	TS_NPDCL	
TO 422127	BANSWADA	220.00	M2	61.2	6.6	61.5	26		0.41	2.65	4201	TELANGANA	4203	TS_NPDCL	
TO 422159	YACHARAM THA	220.00	M1	18.0	-3.8	18.4	8		0.01	0.07	4201	TELANGANA	4205	TS_LIS	
TO 422159	YACHARAM THA	220.00	M2	18.0	-3.8	18.4	8		0.01	0.07	4201	TELANGANA	4205	TS_LIS	
TO 422160	MANCHIPPA	220.00	M1	20.3	-1.5	20.4	9		0.01	0.08	4201	TELANGANA	4205	TS_LIS	
TO 422164	MENTRAJPALLY	220.00	M1	20.1	-0.8	20.1	9		0.01	0.04	4201	TELANGANA	4205	TS_LIS	
TO 424007	DICHIPALLI	400.00	1	-122.9	-27.8	126.0	40 1.0000UN		0.31	6.31	4201	TELANGANA	4203	TS_NPDCL	
TO 424007	DICHIPALLI	400.00	2	-122.9	-27.8	126.0	40 1.0000UN		0.31	6.31	4201	TELANGANA	4203	TS_NPDCL	
TO 424007	DICHIPALLI	400.00	3	-122.9	-27.8	126.0	40 1.0000UN		0.31	6.31	4201	TELANGANA	4203	TS_NPDCL	
TO 424007	DICHIPALLI	400.00	4	-195.1	-44.1	200.0	40 1.0000UN		0.50	10.02	4201	TELANGANA	4203	TS_NPDCL	
BUS 422017	GACIBWLI	220.00	CKT	MW	MVAR	MVA	% 0.9656PU	-34.50	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422017
							212.43KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421088	GACIBWLI	132.00	1	53.1	9.0	53.8	34 1.0000LK		0.49	2.45	4201	TELANGANA	4201	TS_SPDCL	
TO 421088	GACIBWLI	132.00	2	53.1	9.0	53.8	34 1.0000LK		0.49	2.45	4201	TELANGANA	4201	TS_SPDCL	
TO 421412	GCBL-2	132.00	3	53.1	9.0	53.8	34 1.0000LK		0.49	2.45	4201	TELANGANA	4204	TS_GHMC	
TO 421412	GCBL-2	132.00	4	53.1	9.0	53.8	34 1.0000LK		0.49	2.45	4201	TELANGANA	4204	TS_GHMC	
TO 422011	SHAPURNR	220.00	Z2	11.9	11.3	16.4	8		0.01	0.06	4201	TELANGANA	4201	TS_SPDCL	
TO 422039	SIVARAMPALLY	220.00	Z2	-53.5	-6.0	53.8	26		0.14	0.71	4201	TELANGANA	4201	TS_SPDCL	
TO 422054	SHANKARPALLY	220.00	H2	-139.3	-39.4	144.8	27		0.74	4.23	4201	TELANGANA	4201	TS_SPDCL	
TO 422144	RAIDURG	220.00	Z1	-18.8	-4.3	19.3	9		0.01	0.06	4201	TELANGANA	4204	TS_GHMC	
TO 422144	RAIDURG	220.00	Z2	-27.1	-5.3	27.6	13		0.01	0.08	4201	TELANGANA	4204	TS_GHMC	
TO 422144	RAIDURG	220.00	Z3	-35.4	-6.6	36.0	17		0.02	0.10	4201	TELANGANA	4204	TS_GHMC	
TO 422144	RAIDURG	220.00	Z4	-19.6	-4.4	20.1	10		0.01	0.06	4201	TELANGANA	4204	TS_GHMC	
TO 422153	KOLLUR	220.00	H1	-146.8	-41.0	152.4	29		0.31	1.78	4201	TELANGANA	4201	TS_SPDCL	
TO 422156	RC PURAM	220.00	H1	108.2	29.9	112.2	21		0.16	0.90	4201	TELANGANA	4201	TS_SPDCL	
TO 422156	RC PURAM	220.00	H2	108.2	29.9	112.2	21		0.16	0.90	4201	TELANGANA	4201	TS_SPDCL	
BUS 422018	KALWAKURTHY	220.00	CKT	MW	MVAR	MVA	% 0.9903PU	-27.21	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422018
							217.87KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421023	KWK 132 BUS	132.00	1	64.9	12.4	66.0	41 1.0000LK		0.70	3.50	4201	TELANGANA	4201	TS_SPDCL	
TO 421023	KWK 132 BUS	132.00	2	64.9	12.4	66.0	41 1.0000LK		0.70	3.50	4201	TELANGANA	4201	TS_SPDCL	
TO 421023	KWK 132 BUS	132.00	3	64.9	12.4	66.0	41 1.0000LK		0.70	3.50	4201	TELANGANA	4201	TS_SPDCL	

TO 422033	DINDI SS	220.00	Z1	-39.0	2.8	39.1	19			0.06	0.31	4201	TELANGANA	4201	TS_SPDCL	
TO 422033	DINDI SS	220.00	Z2	-39.0	2.8	39.1	19			0.06	0.31	4201	TELANGANA	4201	TS_SPDCL	
TO 422096	THIMMAJIPET	220.00	Z1	-15.8	-11.0	19.3	9			0.02	0.10	4201	TELANGANA	4201	TS_SPDCL	
TO 422096	THIMMAJIPET	220.00	Z2	-15.8	-11.0	19.3	9			0.02	0.10	4201	TELANGANA	4201	TS_SPDCL	
TO 422105	AZURE_SOLAR	220.00	M1	-84.9	-20.7	87.4	37			0.10	0.61	4201	TELANGANA	4201	TS_SPDCL	
BUS 422019	MBNR 220KVSS	220.00	CKT		MW	MVAR	MVA	% 0.9915PU	-27.24	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422019
								218.14KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421084	BHOTHUPUR	132.00	1	90.6	12.4	91.5	57	1.0000LK		1.33	6.71	4201	TELANGANA	4201	TS_SPDCL	
TO 421084	BHOTHUPUR	132.00	2	90.6	12.4	91.5	57	1.0000LK		1.33	6.71	4201	TELANGANA	4201	TS_SPDCL	
TO 421084	BHOTHUPUR	132.00	3	90.6	12.4	91.5	57	1.0000LK		1.33	6.71	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	Z1	-102.7	-8.5	103.0	50			0.56	2.92	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	Z2	-102.7	-8.5	103.0	50			0.56	2.92	4201	TELANGANA	4201	TS_SPDCL	
TO 422096	THIMMAJIPET	220.00	Z1	-33.3	-10.1	34.8	17			0.03	0.18	4201	TELANGANA	4201	TS_SPDCL	
TO 422096	THIMMAJIPET	220.00	Z2	-33.3	-10.1	34.8	17			0.03	0.18	4201	TELANGANA	4201	TS_SPDCL	
BUS 422020	MOULALI	220.00	CKT		MW	MVAR	MVA	% 0.9957PU	-32.49	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422020
								219.05KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421035	MOULALI	132.00	1	61.1	-3.0	61.2	38	1.0000LK		0.59	2.98	4201	TELANGANA	4201	TS_SPDCL	
TO 421035	MOULALI	132.00	2	61.1	-3.0	61.2	38	1.0000LK		0.59	2.98	4201	TELANGANA	4201	TS_SPDCL	
TO 421035	MOULALI	132.00	3	61.1	-3.0	61.2	38	1.0000LK		0.59	2.98	4201	TELANGANA	4201	TS_SPDCL	
TO 422003	GHANAPUR	220.00	Z1	-106.5	12.6	107.3	52			0.15	0.91	4201	TELANGANA	4201	TS_SPDCL	
TO 422092	POCHARAM	220.00	Z1	-76.9	-3.6	76.9	37			0.04	0.33	4201	TELANGANA	4201	TS_SPDCL	
BUS 422021	DURSHED	220.00	CKT		MW	MVAR	MVA	% 0.9729PU	-31.13	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422021
								214.04KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL
TO 421030	DURSHED	132.00	1	92.7	24.1	95.8	60	1.0000LK		1.51	7.64	4201	TELANGANA	4203	TS_NPDCL	
TO 421030	DURSHED	132.00	2	92.7	24.1	95.8	60	1.0000LK		1.51	7.64	4201	TELANGANA	4203	TS_NPDCL	
TO 421030	DURSHED	132.00	3	92.7	24.1	95.8	60	1.0000LK		1.51	7.64	4201	TELANGANA	4203	TS_NPDCL	
TO 422009	RSS 220KV SS	220.00	Z1	-104.1	-20.2	106.0	51			0.95	4.95	4201	TELANGANA	4203	TS_NPDCL	
TO 422009	RSS 220KV SS	220.00	Z2	-104.1	-20.2	106.0	51			0.95	4.95	4201	TELANGANA	4203	TS_NPDCL	
TO 422128	RAMADUGU_220	220.00	M2	-69.9	-32.0	76.9	33			0.21	1.34	4201	TELANGANA	4203	TS_NPDCL	
BUS 422022	SIDDIPET	220.00	CKT		MW	MVAR	MVA	% 0.9730PU	-33.15	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422022
								214.06KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421059	SIDDIPET	132.00	1	61.6	14.9	63.3	40	1.0000LK		0.66	3.34	4201	TELANGANA	4201	TS_SPDCL	
TO 421059	SIDDIPET	132.00	2	61.6	14.9	63.3	40	1.0000LK		0.66	3.34	4201	TELANGANA	4201	TS_SPDCL	
TO 421059	SIDDIPET	132.00	3	61.6	14.9	63.3	40	1.0000LK		0.66	3.34	4201	TELANGANA	4201	TS_SPDCL	
TO 422041	GJWL 220 BUS	220.00	M1	-58.7	-18.3	61.5	26			0.18	1.26	4201	TELANGANA	4201	TS_SPDCL	
TO 422041	GJWL 220 BUS	220.00	M2	-58.7	-18.3	61.5	26			0.18	1.26	4201	TELANGANA	4201	TS_SPDCL	
TO 422064	MALLARAM	220.00	Z1	-19.0	-3.4	19.3	9			0.01	0.07	4201	TELANGANA	4206	TS_WW	
TO 422139	DURSHED-2	220.00	Z1	-48.3	-4.5	48.6	23			0.26	1.36	4201	TELANGANA	4203	TS_NPDCL	

BUS 422023	BPD 220KV SS220.00 CKT	MW	MVAR	MVA	% 0.9964PU	-27.00	X---	LOSSES	---	X----	AREA	----	X	X----	ZONE	----	X 422023
					219.22KV												
TO 421106	BPD 132 BUS 132.00 1	54.9	5.1	55.1	34 1.0000LK			0.48	2.41	4201	TELANGANA	4203	TS_NPDCL				
TO 421106	BPD 132 BUS 132.00 2	54.9	5.1	55.1	34 1.0000LK			0.48	2.41	4201	TELANGANA	4203	TS_NPDCL				
TO 422028	WKP 220KV SS220.00 Z1	133.9	8.6	134.2	65			0.93	4.93	4201	TELANGANA	4203	TS_NPDCL				
TO 422028	WKP 220KV SS220.00 Z2	133.9	8.6	134.2	65			0.93	4.93	4201	TELANGANA	4203	TS_NPDCL				
TO 422059	NBEIL 220.00 M1	-63.3	1.4	63.4	27			0.40	2.08	4201	TELANGANA	4203	TS_NPDCL				
TO 422059	NBEIL 220.00 M2	-63.3	1.4	63.4	27			0.40	2.08	4201	TELANGANA	4203	TS_NPDCL				
TO 422074	SURYAPET 220.00 Z1	20.7	-3.5	21.0	10			0.05	0.27	4201	TELANGANA	4201	TS_SPDCL				
TO 422074	SURYAPET 220.00 Z2	20.7	-3.5	21.0	10			0.05	0.27	4201	TELANGANA	4201	TS_SPDCL				
TO 422085	KTPS-V 220.00 T1	-36.5	-13.7	39.0	8			0.05	0.44	4201	TELANGANA	4203	TS_NPDCL				
TO 422085	KTPS-V 220.00 T2	-36.5	-13.7	39.0	8			0.05	0.44	4201	TELANGANA	4203	TS_NPDCL				
TO 422106	MAHABUBAD 220.00 M1	119.3	24.4	121.7	52			0.80	5.20	4201	TELANGANA	4203	TS_NPDCL				
TO 422106	MAHABUBAD 220.00 M2	119.3	24.4	121.7	52			0.80	5.20	4201	TELANGANA	4203	TS_NPDCL				
TO 424004	KHAMMAM 400.00 1	-127.7	-12.4	128.3	41 1.0000UN			0.33	6.57	4201	TELANGANA	4203	TS_NPDCL				
TO 424004	KHAMMAM 400.00 2	-127.7	-12.4	128.3	41 1.0000UN			0.33	6.57	4201	TELANGANA	4203	TS_NPDCL				
TO 424004	KHAMMAM 400.00 3	-202.6	-19.7	203.6	41 1.0000UN			0.52	10.43	4201	TELANGANA	4203	TS_NPDCL				
BUS 422024	MALKARAM 220.00 CKT	MW	MVAR	MVA	% 0.9723PU	-32.99	X---	LOSSES	---	X----	AREA	----	X	X----	ZONE	----	X 422024
					213.91KV												
TO 421182	MALKARAM 132.00 1	90.0	17.5	91.7	57 1.0000LK			1.39	7.01	4201	TELANGANA	4201	TS_SPDCL				
TO 421182	MALKARAM 132.00 2	90.0	17.5	91.7	57 1.0000LK			1.39	7.01	4201	TELANGANA	4201	TS_SPDCL				
TO 422011	SHAPURNR 220.00 H1	170.2	27.3	172.4	32			0.95	5.04	4201	TELANGANA	4201	TS_SPDCL				
TO 422011	SHAPURNR 220.00 H2	170.2	27.3	172.4	32			0.95	5.04	4201	TELANGANA	4201	TS_SPDCL				
TO 422027	BHONGIR 220.00 Z1	-47.8	0.9	47.9	23			0.12	0.66	4201	TELANGANA	4201	TS_SPDCL				
TO 422027	BHONGIR 220.00 Z2	-47.8	0.9	47.9	23			0.12	0.66	4201	TELANGANA	4201	TS_SPDCL				
TO 422029	MEDCHAL 220.00 Z1	106.2	20.0	108.1	52			0.27	1.43	4201	TELANGANA	4201	TS_SPDCL				
TO 422029	MEDCHAL 220.00 Z2	106.2	20.0	108.1	52			0.27	1.43	4201	TELANGANA	4201	TS_SPDCL				
TO 422058	GUNROCK 220.00 C1	126.0	18.6	127.4	43			0.14	1.03	4201	TELANGANA	4201	TS_SPDCL				
TO 422058	GUNROCK 220.00 C2	126.0	18.6	127.4	43			0.14	1.03	4201	TELANGANA	4201	TS_SPDCL				
TO 422145	CHOUTUPPAL 220.00 M1	-97.3	-5.7	97.5	42			1.10	7.69	4201	TELANGANA	4201	TS_SPDCL				
TO 422145	CHOUTUPPAL 220.00 M2	-97.3	-5.7	97.5	42			1.10	7.69	4201	TELANGANA	4201	TS_SPDCL				
TO 424011	MALKARAM 400.00 1	-173.7	-39.3	178.0	57 1.0000UN			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL				
TO 424011	MALKARAM 400.00 2	-173.7	-39.3	178.0	57 1.0000UN			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL				
TO 424011	MALKARAM 400.00 3	-173.7	-39.3	178.0	57 1.0000UN			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL				
TO 424011	MALKARAM 400.00 4	-173.7	-39.3	178.0	57 1.0000UN			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL				
BUS 422025	NIRMAL 220.00 CKT	MW	MVAR	MVA	% 0.9932PU	-31.00	X---	LOSSES	---	X----	AREA	----	X	X----	ZONE	----	X 422025
					218.51KV												
TO 421075	NIRMAL 132.00 1	75.0	16.7	76.8	77 1.0000LK			1.50	7.54	4201	TELANGANA	4203	TS_NPDCL				
TO 421075	NIRMAL 132.00 2	75.0	16.7	76.8	77 1.0000LK			1.50	7.54	4201	TELANGANA	4203	TS_NPDCL				
TO 421075	NIRMAL 132.00 3	75.0	16.7	76.8	77 1.0000LK			1.50	7.54	4201	TELANGANA	4203	TS_NPDCL				
TO 422036	JAGTYALA 220.00 Z1	-15.2	12.7	19.8	10			0.05	0.32	4201	TELANGANA	4203	TS_NPDCL				
TO 422111	NIRMAL_NEW 220.00 M1	-104.9	-31.4	109.5	47			0.07	0.45	4201	TELANGANA	4203	TS_NPDCL				

TO 422111	NIRMAL_NEW	220.00	M2	-104.9	-31.4	109.5	47			0.07	0.45	4201	TELANGANA	4203	TS_NPDCL				
BUS 422026	NKP 220KVSS	220.00	CKT		MW	MVAR	MVA	% 0.9775PU	-29.88	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422026
								215.04KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421103	NARATLLY	132.00	1	67.8	17.8	70.1	44	1.0000LK			0.80	4.05	4201	TELANGANA	4201	TS_SPDCL			
TO 421103	NARATLLY	132.00	2	67.8	17.8	70.1	44	1.0000LK			0.80	4.05	4201	TELANGANA	4201	TS_SPDCL			
TO 421103	NARATLLY	132.00	3	42.4	11.1	43.8	44	1.0000LK			0.50	2.53	4201	TELANGANA	4201	TS_SPDCL			
TO 421103	NARATLLY	132.00	4	42.4	11.1	43.8	44	1.0000LK			0.50	2.53	4201	TELANGANA	4201	TS_SPDCL			
TO 422074	SURYAPET	220.00	M1	-64.2	-19.5	67.1	29				0.41	2.65	4201	TELANGANA	4201	TS_SPDCL			
TO 422109	UDAYASAMUDRA	220.00	Z1	12.8	-1.3	12.9	6				0.00	0.01	4201	TELANGANA	4205	TS_LIS			
TO 422117	HUZURNAGAR	220.00	M1	-63.4	-9.4	64.1	27				0.49	3.20	4201	TELANGANA	4201	TS_SPDCL			
TO 422145	CHOUTUPPAL	220.00	M1	-52.8	-13.8	54.6	23				0.19	1.35	4201	TELANGANA	4201	TS_SPDCL			
TO 422145	CHOUTUPPAL	220.00	M2	-52.8	-13.8	54.6	23				0.19	1.35	4201	TELANGANA	4201	TS_SPDCL			
BUS 422027	BHONGIR	220.00	CKT		MW	MVAR	MVA	% 0.9741PU	-32.20	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422027
								214.29KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421104	BHONGIR	132.00	1	44.2	12.1	45.8	46	1.0000LK			0.55	2.79	4201	TELANGANA	4201	TS_SPDCL			
TO 421104	BHONGIR	132.00	2	44.2	12.1	45.8	46	1.0000LK			0.55	2.79	4201	TELANGANA	4201	TS_SPDCL			
TO 421104	BHONGIR	132.00	3	44.2	12.1	45.8	46	1.0000LK			0.55	2.79	4201	TELANGANA	4201	TS_SPDCL			
TO 422024	MALKARAM	220.00	Z1	48.0	-4.6	48.2	23				0.12	0.66	4201	TELANGANA	4201	TS_SPDCL			
TO 422024	MALKARAM	220.00	Z2	48.0	-4.6	48.2	23				0.12	0.66	4201	TELANGANA	4201	TS_SPDCL			
TO 422123	JANGOAN	220.00	Z1	-114.3	-13.6	115.1	55				1.03	5.97	4201	TELANGANA	4203	TS_NPDCL			
TO 422123	JANGOAN	220.00	Z2	-114.3	-13.6	115.1	55				1.03	5.97	4201	TELANGANA	4203	TS_NPDCL			
BUS 422028	WKP 220KV SS	220.00	CKT		MW	MVAR	MVA	% 0.9863PU	-29.07	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422028
								216.99KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL			
TO 421067	WADEKLLY	132.00	1	95.2	24.0	98.2	61	1.0000LK			1.55	7.81	4201	TELANGANA	4203	TS_NPDCL			
TO 421067	WADEKLLY	132.00	2	95.2	24.0	98.2	61	1.0000LK			1.55	7.81	4201	TELANGANA	4203	TS_NPDCL			
TO 421067	WADEKLLY	132.00	3	95.2	24.0	98.2	61	1.0000LK			1.55	7.81	4201	TELANGANA	4203	TS_NPDCL			
TO 422005	KTPS-ABC	220.00	Z1	-38.5	-12.8	40.6	20				0.35	1.88	4201	TELANGANA	4203	TS_NPDCL			
TO 422023	BPD 220KV SS	220.00	Z1	-133.0	-15.1	133.8	64				0.93	4.93	4201	TELANGANA	4203	TS_NPDCL			
TO 422023	BPD 220KV SS	220.00	Z2	-133.0	-15.1	133.8	64				0.93	4.93	4201	TELANGANA	4203	TS_NPDCL			
TO 422123	JANGOAN	220.00	Z1	5.6	-9.7	11.2	5				0.01	0.03	4201	TELANGANA	4203	TS_NPDCL			
TO 422123	JANGOAN	220.00	Z2	5.6	-9.7	11.2	5				0.01	0.03	4201	TELANGANA	4203	TS_NPDCL			
TO 422123	JANGOAN	220.00	Z3	7.5	-9.6	12.2	6				0.01	0.04	4201	TELANGANA	4203	TS_NPDCL			
BUS 422029	MEDCHAL	220.00	CKT		MW	MVAR	MVA	% 0.9675PU	-33.71	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422029
								212.85KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421127	MEDCHAL1	132.00	1	101.8	24.9	104.8	65	1.0000LK			1.83	9.24	4201	TELANGANA	4201	TS_SPDCL			
TO 421127	MEDCHAL1	132.00	2	101.8	24.9	104.8	65	1.0000LK			1.83	9.24	4201	TELANGANA	4201	TS_SPDCL			
TO 421127	MEDCHAL1	132.00	3	101.8	24.9	104.8	65	1.0000LK			1.83	9.24	4201	TELANGANA	4201	TS_SPDCL			
TO 422024	MALKARAM	220.00	Z1	-106.0	-20.5	107.9	52				0.27	1.43	4201	TELANGANA	4201	TS_SPDCL			
TO 422024	MALKARAM	220.00	Z2	-106.0	-20.5	107.9	52				0.27	1.43	4201	TELANGANA	4201	TS_SPDCL			
TO 422041	GJWL 220 BUS	220.00	Z1	-46.7	-16.8	49.6	24				0.29	1.53	4201	TELANGANA	4201	TS_SPDCL			

TO 422041	GJWL 220 BUS220.00	Z2	-46.7	-16.8	49.6	24				0.29	1.53	4201	TELANGANA	4201	TS_SPDCL	
BUS 422030	MINPUR 220.00	CKT	MW	MVAR	MVA	% 0.9817PU	-32.96	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X 422030
						215.97KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL		
TO 421101	MINPUR 132.00	1	71.8	11.4	72.7	45 1.0000LK			0.86	4.32	4201	TELANGANA	4201	TS_SPDCL		
TO 421101	MINPUR 132.00	2	71.8	11.4	72.7	45 1.0000LK			0.86	4.32	4201	TELANGANA	4201	TS_SPDCL		
TO 421101	MINPUR 132.00	3	71.8	11.4	72.7	45 1.0000LK			0.86	4.32	4201	TELANGANA	4201	TS_SPDCL		
TO 422041	GJWL 220 BUS220.00	Z1	-20.3	-1.1	20.3	10			0.06	0.32	4201	TELANGANA	4201	TS_SPDCL		
TO 422041	GJWL 220 BUS220.00	Z2	-20.3	-1.1	20.3	10			0.06	0.32	4201	TELANGANA	4201	TS_SPDCL		
TO 422093	NARSARPUR 220.00	M1	-59.8	-8.7	60.4	26			0.14	0.98	4201	TELANGANA	4201	TS_SPDCL		
TO 422093	NARSARPUR 220.00	M2	-59.8	-8.7	60.4	26			0.14	0.98	4201	TELANGANA	4201	TS_SPDCL		
TO 422095	RENEW_MNP 220.00	M1	-55.2	-14.5	57.1	24			0.06	0.37	4201	TELANGANA	4201	TS_SPDCL		
BUS 422031	MMP 220 BUS 220.00	CKT	MW	MVAR	MVA	% 0.9800PU	-31.98	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X 422031
						215.60KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL		
TO 422002	CHNDRYNGUTTA220.00	Z1	78.4	-16.8	80.1	39			0.23	1.21	4201	TELANGANA	4201	TS_SPDCL		
TO 422037	HIAL 220.00	H1	152.6	10.7	153.0	29			0.10	0.51	4201	TELANGANA	4201	TS_SPDCL		
TO 422037	HIAL 220.00	H2	152.6	10.7	153.0	29			0.10	0.51	4201	TELANGANA	4201	TS_SPDCL		
TO 422039	SIVARAMPALLI220.00	H1	204.3	35.4	207.3	39			1.26	6.68	4201	TELANGANA	4201	TS_SPDCL		
TO 422047	SHAMSHABAD 220.00	Z1	189.2	35.0	192.4	93			0.62	2.90	4201	TELANGANA	4201	TS_SPDCL		
TO 422071	FABCITY 220.00	M1	-51.4	-7.3	51.9	22			0.02	0.13	4201	TELANGANA	4201	TS_SPDCL		
TO 422071	FABCITY 220.00	M2	-51.4	-7.3	51.9	22			0.02	0.13	4201	TELANGANA	4201	TS_SPDCL		
TO 422134	CHEGUR 220.00	M1	112.7	18.9	114.3	49			0.55	3.54	4201	TELANGANA	4201	TS_SPDCL		
TO 424006	MAMIDIPALLI 400.00	1	-196.7	-19.8	197.7	63 1.0000UN			0.81	16.15	4201	TELANGANA	4201	TS_SPDCL		
TO 424006	MAMIDIPALLI 400.00	2	-196.7	-19.8	197.7	63 1.0000UN			0.81	16.15	4201	TELANGANA	4201	TS_SPDCL		
TO 424006	MAMIDIPALLI 400.00	3	-196.7	-19.8	197.7	63 1.0000UN			0.81	16.15	4201	TELANGANA	4201	TS_SPDCL		
TO 424006	MAMIDIPALLI 400.00	4	-196.7	-19.8	197.7	63 1.0000UN			0.81	16.15	4201	TELANGANA	4201	TS_SPDCL		
BUS 422032	BHEEMGAL 220.00	CKT	MW	MVAR	MVA	% 0.9823PU	-31.63	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X 422032
						216.11KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL		
TO 421006	BHEEMGAL 132.00	1	71.1	14.4	72.5	45 1.0000LK			0.85	4.30	4201	TELANGANA	4203	TS_NPDCL		
TO 421006	BHEEMGAL 132.00	2	44.5	9.0	45.4	45 1.0000LK			0.53	2.69	4201	TELANGANA	4203	TS_NPDCL		
TO 421006	BHEEMGAL 132.00	3	71.1	14.4	72.5	45 1.0000LK			0.85	4.30	4201	TELANGANA	4203	TS_NPDCL		
TO 422015	DICHPALLY220.00	Z1	-146.1	-40.7	151.7	73			1.02	5.28	4201	TELANGANA	4203	TS_NPDCL		
TO 422125	RAMPUR_LIS 220.00	Z1	-40.5	3.0	40.6	20			0.15	0.81	4201	TELANGANA	4205	TS_LIS		
BUS 422033	DINDI SS 220.00	CKT	MW	MVAR	MVA	% 0.9910PU	-26.75	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X 422033
						218.01KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL		
TO 412020	SRISAILAM RB220.00	Z2	1.5	49.8	49.8	24			0.00	0.01	4101	ANDRAPRADESH	4117	AP-KURNOOL		
TO 422018	KALWAKURTHY 220.00	Z1	39.1	-5.8	39.5	19			0.06	0.31	4201	TELANGANA	4201	TS_SPDCL		
TO 422018	KALWAKURTHY 220.00	Z2	39.1	-5.8	39.5	19			0.06	0.31	4201	TELANGANA	4201	TS_SPDCL		
TO 422051	KMPALLY 220.00	M1	-1.5	-3.8	4.1	2			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL		
TO 422051	KMPALLY 220.00	M2	-1.5	-3.8	4.1	2			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL		
TO 422118	NAGARKURNOOL220.00	M1	45.0	2.9	45.1	19			0.10	0.68	4201	TELANGANA	4201	TS_SPDCL		

TO 422118	NAGARKURNOOL	220.00	M2	45.0	2.9	45.1	19			0.10	0.68	4201	TELANGANA	4201	TS_SPDCL
TO 422120	DOMALAPENTA	220.00	Z1	0.0	-5.5	5.5	3			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL
TO 424019	DINDI	400.00	1	-83.4	-15.4	84.8	27	1.0000UN		0.14	2.90	4201	TELANGANA	4201	TS_SPDCL
TO 424019	DINDI	400.00	2	-83.4	-15.4	84.8	27	1.0000UN		0.14	2.90	4201	TELANGANA	4201	TS_SPDCL
BUS 422034	NTPC 220 BUS	220.00	CKT	MW	MVAR	MVA	% 0.9900PU	-28.54	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422034
							217.81KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL
TO 422009	RSS 220KV SS	220.00	T3	217.6	4.6	217.7	47			0.05	0.24	4201	TELANGANA	4203	TS_NPDCL
TO 422009	RSS 220KV SS	220.00	T4	217.6	4.6	217.7	47			0.05	0.24	4201	TELANGANA	4203	TS_NPDCL
TO 424002	RSTPS NTPC	400.00	4	-217.6	-4.6	217.7	69	1.0000UN		0.96	19.18	4202	RGM-TPS	4202	RGM-TPS
TO 424002	RSTPS NTPC	400.00	5	-217.6	-4.6	217.7	69	1.0000UN		0.96	19.18	4202	RGM-TPS	4202	RGM-TPS
BUS 422035	CHALAKURTHY	220.00	CKT	MW	MVAR	MVA	% 0.9981PU	-25.29	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422035
							219.57KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 412021	TALLAPLLI	220.00	Z1	-124.8	-18.3	126.1	54			0.19	1.09	4101	ANDRAPRADESH	4114	AP-GUNTUR
TO 422006	MIRYALAGUDA	220.00	Z1	52.0	7.5	52.6	25			0.23	1.25	4201	TELANGANA	4201	TS_SPDCL
TO 422008	NGRJNA SAGAR	220.00	H1	-115.0	4.6	115.1	22			0.29	1.62	4201	TELANGANA	4201	TS_SPDCL
TO 422038	PUTTAMGANDI	220.00	Z1	20.8	-3.3	21.0	10			0.01	0.07	4201	TELANGANA	4205	TS_LIS
TO 422051	KMPALLY	220.00	M1	77.0	6.2	77.3	33			0.31	1.99	4201	TELANGANA	4201	TS_SPDCL
TO 422051	KMPALLY	220.00	M2	77.0	6.2	77.3	33			0.31	1.99	4201	TELANGANA	4201	TS_SPDCL
TO 422079	PULIYATHANDA	220.00	Z1	12.9	-2.9	13.2	6			0.00	0.03	4201	TELANGANA	4205	TS_LIS
BUS 422036	JAGTYALA	220.00	CKT	MW	MVAR	MVA	% 0.9842PU	-30.38	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422036
							216.53KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL
TO 421134	JAGTYAL1	132.00	1	40.2	7.7	40.9	41	1.0000LK		0.43	2.17	4201	TELANGANA	4203	TS_NPDCL
TO 421134	JAGTYAL1	132.00	2	40.2	7.7	40.9	41	1.0000LK		0.43	2.17	4201	TELANGANA	4203	TS_NPDCL
TO 421134	JAGTYAL1	132.00	3	40.2	7.7	40.9	41	1.0000LK		0.43	2.17	4201	TELANGANA	4203	TS_NPDCL
TO 421134	JAGTYAL1	132.00	4	64.2	12.3	65.4	41	1.0000LK		0.69	3.48	4201	TELANGANA	4203	TS_NPDCL
TO 422009	RSS 220KV SS	220.00	Z1	-54.1	-3.4	54.2	26			0.32	1.68	4201	TELANGANA	4203	TS_NPDCL
TO 422009	RSS 220KV SS	220.00	Z2	-55.7	-5.1	55.9	27			0.27	1.74	4201	TELANGANA	4203	TS_NPDCL
TO 422009	RSS 220KV SS	220.00	Z3	-52.1	-5.4	52.4	25			0.25	1.63	4201	TELANGANA	4203	TS_NPDCL
TO 422025	NIRMAL	220.00	Z1	15.2	-22.3	27.0	13			0.05	0.32	4201	TELANGANA	4203	TS_NPDCL
TO 422057	VEMANOOR	220.00	Z1	-38.0	0.7	38.0	18			0.11	0.57	4201	TELANGANA	4205	TS_LIS
BUS 422037	HIAL	220.00	CKT	MW	MVAR	MVA	% 0.9792PU	-32.17	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422037
							215.42KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO LOAD-PQ				17.6	2.5	17.7									
TO 422002	CHNDRYNGUTTA	220.00	Z1	71.4	-20.6	74.3	36			0.17	0.88	4201	TELANGANA	4201	TS_SPDCL
TO 422031	MMP 220 BUS	220.00	H1	-152.5	-10.5	152.9	29			0.10	0.51	4201	TELANGANA	4201	TS_SPDCL
TO 422031	MMP 220 BUS	220.00	H2	-152.5	-10.5	152.9	29			0.10	0.51	4201	TELANGANA	4201	TS_SPDCL
TO 422039	SIVARAMPALLI	220.00	H1	216.1	39.1	219.6	41			1.21	6.35	4201	TELANGANA	4201	TS_SPDCL

BUS 422038	PUTTAMGANDI	220.00	CKT	MW	MVAR	MVA	% 0.9978PU	-25.48	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422038
							219.51KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				28.8	0.0	28.8										
TO 422035	CHALAKURTHY	220.00	Z1	-20.8	0.8	20.8	10			0.01	0.07	4201	TELANGANA	4201	TS_SPDCL	
TO 422079	PULIYATHANDA	220.00	Z1	-8.0	-0.8	8.1	4			0.00	0.01	4201	TELANGANA	4205	TS_LIS	
BUS 422039	SIVARAMPALLI	220.00	CKT	MW	MVAR	MVA	% 0.9691PU	-33.76	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422039
							213.20KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421065	SIVARAMPALLY	132.00	1	51.0	10.2	52.1	52 1.0000LK			0.72	3.63	4201	TELANGANA	4201	TS_SPDCL	
TO 421065	SIVARAMPALLY	132.00	2	81.6	16.3	83.2	52 1.0000LK			1.15	5.81	4201	TELANGANA	4201	TS_SPDCL	
TO 421065	SIVARAMPALLY	132.00	3	81.6	16.3	83.2	52 1.0000LK			1.15	5.81	4201	TELANGANA	4201	TS_SPDCL	
TO 421065	SIVARAMPALLY	132.00	4	81.6	16.3	83.2	52 1.0000LK			1.15	5.81	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	Z2	53.6	3.0	53.7	26			0.14	0.71	4201	TELANGANA	4201	TS_SPDCL	
TO 422031	MMP 220 BUS	220.00	H1	-203.0	-31.1	205.4	39			1.26	6.68	4201	TELANGANA	4201	TS_SPDCL	
TO 422037	HIAL	220.00	H1	-214.9	-34.8	217.7	41			1.21	6.35	4201	TELANGANA	4201	TS_SPDCL	
TO 422144	RAIDURG	220.00	Z1	68.4	3.7	68.5	33			0.13	0.71	4201	TELANGANA	4204	TS_GHMC	
BUS 422040	NAGARAM	220.00	CKT	MW	MVAR	MVA	% 0.9883PU	-28.83	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422040
							217.43KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO LOAD-PQ				26.7	7.0	27.6										
TO 421445	NAGARAM	132.00	1	61.1	16.9	63.4	63 1.0000LK			1.03	5.18	4201	TELANGANA	4203	TS_NPDCL	
TO 421445	NAGARAM	132.00	2	61.1	16.9	63.4	63 1.0000LK			1.03	5.18	4201	TELANGANA	4203	TS_NPDCL	
TO 422013	WARANGAL	220.00	H1	140.0	35.6	144.4	27			0.47	2.44	4201	TELANGANA	4203	TS_NPDCL	
TO 422013	WARANGAL	220.00	H2	140.0	35.6	144.4	27			0.47	2.44	4201	TELANGANA	4203	TS_NPDCL	
TO 422044	PULAKURTHY	220.00	Z1	-38.7	-7.4	39.4	19			0.02	0.08	4201	TELANGANA	4205	TS_LIS	
TO 422044	PULAKURTHY	220.00	Z2	-38.7	-7.4	39.4	19			0.02	0.08	4201	TELANGANA	4205	TS_LIS	
TO 422052	OGLAPUR	220.00	T1	-175.3	-42.5	180.4	39			0.30	1.72	4201	TELANGANA	4203	TS_NPDCL	
TO 422052	OGLAPUR	220.00	T2	-175.3	-42.5	180.4	39			0.30	1.72	4201	TELANGANA	4203	TS_NPDCL	
TO 422077	MANTHANI	220.00	Z1	3.3	-4.2	5.3	3			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL	
TO 422122	RFCL	220.00	Z1	-4.1	-8.1	9.1	4			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL	
BUS 422041	GJWL 220 BUS	220.00	CKT	MW	MVAR	MVA	% 0.9811PU	-32.06	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422041
							215.85KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421100	GAJWEL132BUS	132.00	1	108.3	31.7	112.9	71 1.0000LK			2.07	10.43	4201	TELANGANA	4201	TS_SPDCL	
TO 421100	GAJWEL132BUS	132.00	2	108.3	31.7	112.9	71 1.0000LK			2.07	10.43	4201	TELANGANA	4201	TS_SPDCL	
TO 421100	GAJWEL132BUS	132.00	3	108.3	31.7	112.9	71 1.0000LK			2.07	10.43	4201	TELANGANA	4201	TS_SPDCL	
TO 422022	SIDDIPET	220.00	M1	58.9	14.1	60.5	26			0.18	1.26	4201	TELANGANA	4201	TS_SPDCL	
TO 422022	SIDDIPET	220.00	M2	58.9	14.1	60.5	26			0.18	1.26	4201	TELANGANA	4201	TS_SPDCL	
TO 422029	MEDCHAL	220.00	Z1	47.0	8.3	47.7	23			0.29	1.53	4201	TELANGANA	4201	TS_SPDCL	
TO 422029	MEDCHAL	220.00	Z2	47.0	8.3	47.7	23			0.29	1.53	4201	TELANGANA	4201	TS_SPDCL	
TO 422030	MINPUR	220.00	Z1	20.4	-10.3	22.8	11			0.06	0.32	4201	TELANGANA	4201	TS_SPDCL	
TO 422030	MINPUR	220.00	Z2	20.4	-10.3	22.8	11			0.06	0.32	4201	TELANGANA	4201	TS_SPDCL	
TO 422045	KAMAREDDY	220.00	Z1	43.2	-6.6	43.7	21			0.16	0.75	4201	TELANGANA	4203	TS_NPDCL	
TO 422067	KONDAPAKKA	220.00	M1	38.6	-3.8	38.8	17			0.05	0.33	4201	TELANGANA	4206	TS_WW	

TO 422135	AKKARAM	220.00	T1	73.2	-2.2	73.3	16		0.03	0.23	4201	TELANGANA	4205	TS_LIS		
TO 422135	AKKARAM	220.00	T2	73.2	-2.2	73.3	16		0.03	0.23	4201	TELANGANA	4205	TS_LIS		
TO 424008	GAJWEL	400.00	1	-155.7	-20.2	157.0	50	1.0000UN	0.51	10.17	4201	TELANGANA	4201	TS_SPDCL		
TO 424008	GAJWEL	400.00	2	-155.7	-20.2	157.0	50	1.0000UN	0.51	10.17	4201	TELANGANA	4201	TS_SPDCL		
TO 424008	GAJWEL	400.00	3	-247.2	-32.1	249.2	50	1.0000UN	0.81	16.13	4201	TELANGANA	4201	TS_SPDCL		
TO 424008	GAJWEL	400.00	4	-247.2	-32.1	249.2	50	1.0000UN	0.81	16.13	4201	TELANGANA	4201	TS_SPDCL		
BUS 422042	BHIMGANAPUR	220.00	CKT	MW	MVAR	MVA	% 0.9913PU	-28.55	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422042
							218.09KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				41.4	5.3	41.7										
TO 422043	GANGARAM	220.00	M1	27.8	3.6	28.0	12		0.06	0.29	4201	TELANGANA	4205	TS_LIS		
TO 422043	GANGARAM	220.00	M2	27.8	3.6	28.0	12		0.06	0.29	4201	TELANGANA	4205	TS_LIS		
TO 422147	KTPP	220.00	M1	-48.5	-6.2	48.9	21		0.06	0.77	4201	TELANGANA	4203	TS_NPDCL		
TO 422147	KTPP	220.00	M2	-48.5	-6.2	48.9	21		0.06	0.77	4201	TELANGANA	4203	TS_NPDCL		
BUS 422043	GANGARAM	220.00	CKT	MW	MVAR	MVA	% 0.9872PU	-29.09	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422043
							217.18KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				55.4	18.3	58.4										
TO 422042	BHIMGANAPUR	220.00	M1	-27.7	-9.1	29.2	12		0.06	0.29	4201	TELANGANA	4205	TS_LIS		
TO 422042	BHIMGANAPUR	220.00	M2	-27.7	-9.1	29.2	12		0.06	0.29	4201	TELANGANA	4205	TS_LIS		
BUS 422044	PULAKURTHY	220.00	CKT	MW	MVAR	MVA	% 0.9891PU	-28.72	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422044
							217.60KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				4.8	1.6	5.1										
TO 422040	NAGARAM	220.00	Z1	38.7	6.3	39.2	19		0.02	0.08	4201	TELANGANA	4203	TS_NPDCL		
TO 422040	NAGARAM	220.00	Z2	38.7	6.3	39.2	19		0.02	0.08	4201	TELANGANA	4203	TS_NPDCL		
TO 422053	SALIVAGU	220.00	M1	-39.8	-7.4	40.4	17		0.03	0.17	4201	TELANGANA	4205	TS_LIS		
TO 422147	KTPP	220.00	M1	-42.5	-6.7	43.0	18		0.12	0.80	4201	TELANGANA	4203	TS_NPDCL		
BUS 422045	KAMAREDDY	220.00	CKT	MW	MVAR	MVA	% 0.9784PU	-33.06	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422045
							215.24KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421188	KMRDY 132 B	132.00	1	15.7	2.2	15.9	16	1.0000LK	0.07	0.33	4201	TELANGANA	4203	TS_NPDCL		
TO 421188	KMRDY 132 B	132.00	2	15.7	2.2	15.9	16	1.0000LK	0.07	0.33	4201	TELANGANA	4203	TS_NPDCL		
TO 421188	KMRDY 132 B	132.00	3	25.1	3.5	25.4	16	1.0000LK	0.11	0.53	4201	TELANGANA	4203	TS_NPDCL		
TO 422041	GJWL 220 BUS	220.00	Z1	-43.1	-1.8	43.1	21		0.16	0.75	4201	TELANGANA	4201	TS_SPDCL		
TO 422067	KONDAPAKKA	220.00	M1	-13.5	-6.1	14.8	6		0.02	0.12	4201	TELANGANA	4206	TS_WW		
BUS 422046	WANAPARTHY	220.00	CKT	MW	MVAR	MVA	% 0.9942PU	-26.25	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422046
							218.71KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 412074	BRAHMANKTKUR	220.00	M1	-112.8	22.5	115.0	49		0.40	2.14	4101	ANDRAPRADESH	4117	AP-KURNOOL		
TO 421068	WANPATHY	132.00	1	52.5	6.1	52.9	33	1.0000LK	0.44	2.23	4201	TELANGANA	4201	TS_SPDCL		
TO 421068	WANPATHY	132.00	2	52.5	6.1	52.9	33	1.0000LK	0.44	2.23	4201	TELANGANA	4201	TS_SPDCL		
TO 421068	WANPATHY	132.00	3	52.5	6.1	52.9	33	1.0000LK	0.44	2.23	4201	TELANGANA	4201	TS_SPDCL		
TO 422049	VLT 220 BUS	220.00	M1	-69.0	-20.4	71.9	31		0.13	0.83	4201	TELANGANA	4201	TS_SPDCL		

TO 422049	VLT 220 BUS	220.00	M2	-69.0	-20.4	71.9	31			0.13	0.83	4201	TELANGANA	4201	TS_SPDCL
TO 422080	SINGOTTAM	220.00	Z1	93.3	-0.1	93.3	45			0.42	2.12	4201	TELANGANA	4201	TS_SPDCL
BUS 422047	SHAMSHABAD	220.00	CKT	MW	MVAR	MVA	% 0.9743PU	-32.80	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422047
							214.34KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421148	SHAMSHABAD	132.00	1	29.1	7.1	29.9	30 1.0000LK			0.24	1.19	4201	TELANGANA	4201	TS_SPDCL
TO 421148	SHAMSHABAD	132.00	2	29.1	7.1	29.9	30 1.0000LK			0.24	1.19	4201	TELANGANA	4201	TS_SPDCL
TO 421148	SHAMSHABAD	132.00	3	46.5	11.3	47.8	30 1.0000LK			0.38	1.90	4201	TELANGANA	4201	TS_SPDCL
TO 422031	MMP 220 BUS	220.00	Z1	-188.6	-33.8	191.6	92			0.62	2.90	4201	TELANGANA	4201	TS_SPDCL
TO 422134	CHEGUR	220.00	M1	84.0	8.4	84.4	36			0.20	1.34	4201	TELANGANA	4201	TS_SPDCL
BUS 422048	SHADNAGAR	220.00	CKT	MW	MVAR	MVA	% 0.9674PU	-34.22	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422048
							212.82KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421179	SHADNAGAR	132.00	1	43.7	9.7	44.7	45 1.0000LK			0.53	2.67	4201	TELANGANA	4201	TS_SPDCL
TO 421179	SHADNAGAR	132.00	2	69.3	15.4	71.0	44 1.0000LK			0.84	4.24	4201	TELANGANA	4201	TS_SPDCL
TO 421179	SHADNAGAR	132.00	3	69.3	15.4	71.0	44 1.0000LK			0.84	4.24	4201	TELANGANA	4201	TS_SPDCL
TO 422116	KETHIREDDYPA	220.00	M1	-81.9	-24.3	85.4	36			0.31	2.00	4201	TELANGANA	4201	TS_SPDCL
TO 422134	CHEGUR	220.00	M1	-100.3	-16.3	101.6	43			0.15	0.97	4201	TELANGANA	4201	TS_SPDCL
BUS 422049	VLT 220 BUS	220.00	CKT	MW	MVAR	MVA	% 0.9990PU	-25.64	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422049
							219.78KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 422019	MBNR 220KVSS	220.00	Z1	103.2	6.8	103.5	50			0.56	2.92	4201	TELANGANA	4201	TS_SPDCL
TO 422019	MBNR 220KVSS	220.00	Z2	103.2	6.8	103.5	50			0.56	2.92	4201	TELANGANA	4201	TS_SPDCL
TO 422046	WANAPARTHY	220.00	M1	69.1	18.4	71.5	31			0.13	0.83	4201	TELANGANA	4201	TS_SPDCL
TO 422046	WANAPARTHY	220.00	M2	69.1	18.4	71.5	31			0.13	0.83	4201	TELANGANA	4201	TS_SPDCL
TO 422060	JURLA-SS	220.00	M1	-4.6	-3.3	5.6	2			0.00	0.01	4201	TELANGANA	4201	TS_SPDCL
TO 422061	LOWER JURALA	220.00	M1	-22.6	-2.9	22.8	10			0.02	0.12	4201	TELANGANA	4201	TS_SPDCL
TO 422081	GPGATTU	220.00	M1	91.8	1.1	91.8	39			0.48	3.15	4201	TELANGANA	4205	TS_LIS
TO 422081	GPGATTU	220.00	M2	91.8	1.1	91.8	39			0.48	3.15	4201	TELANGANA	4205	TS_LIS
TO 422090	AKSHAY_VLT	220.00	M1	-84.9	-1.3	84.9	36			0.08	0.53	4201	TELANGANA	4201	TS_SPDCL
TO 422096	THIMMAJIPET	220.00	T1	98.9	9.0	99.3	21			0.25	2.34	4201	TELANGANA	4201	TS_SPDCL
TO 422096	THIMMAJIPET	220.00	T2	98.9	9.0	99.3	21			0.25	2.34	4201	TELANGANA	4201	TS_SPDCL
TO 422097	TRANFRM_VLT	220.00	M1	-85.0	-20.2	87.3	37			0.02	0.14	4201	TELANGANA	4201	TS_SPDCL
TO 422100	SUZLON_VLT	220.00	M1	-84.9	-1.3	84.9	36			0.08	0.51	4201	TELANGANA	4201	TS_SPDCL
TO 422103	RENEW_VLT_2	220.00	M1	-84.9	-0.2	84.9	36			0.09	0.56	4201	TELANGANA	4201	TS_SPDCL
TO 424001	VELTOOR	400.00	1	-110.2	-12.7	110.9	22 1.0000UN			0.15	3.08	4201	TELANGANA	4201	TS_SPDCL
TO 424001	VELTOOR	400.00	2	-110.2	-12.7	110.9	22 1.0000UN			0.15	3.08	4201	TELANGANA	4201	TS_SPDCL
TO 424001	VELTOOR	400.00	3	-69.4	-8.0	69.9	22 1.0000UN			0.10	1.94	4201	TELANGANA	4201	TS_SPDCL
TO 424001	VELTOOR	400.00	4	-69.4	-8.0	69.9	22 1.0000UN			0.10	1.94	4201	TELANGANA	4201	TS_SPDCL
BUS 422050	UPPER JURALA	220.00	CKT	MW	MVAR	MVA	% 1.0000PU	-25.53	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422050
FROM GENERATION				163.8	58.4R	173.9	63 220.00KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 422060	JURLA-SS	220.00	M1	81.9	29.2	86.9	37			0.02	0.10	4201	TELANGANA	4201	TS_SPDCL
TO 422060	JURLA-SS	220.00	M2	81.9	29.2	86.9	37			0.02	0.10	4201	TELANGANA	4201	TS_SPDCL

BUS 422051	KMPALLY	220.00	CKT	MW	MVAR	MVA	% 0.9914PU	-26.73	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422051
							218.12KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421187	KONAMLI1	132.00	1	37.6	5.3	38.0	38 1.0000LK			0.37	1.85	4201	TELANGANA	4201	TS_SPDCL	
TO 421187	KONAMLI1	132.00	2	37.6	5.3	38.0	38 1.0000LK			0.37	1.85	4201	TELANGANA	4201	TS_SPDCL	
TO 421187	KONAMLI1	132.00	3	37.6	5.3	38.0	38 1.0000LK			0.37	1.85	4201	TELANGANA	4201	TS_SPDCL	
TO 421187	KONAMLI1	132.00	4	37.6	5.3	38.0	38 1.0000LK			0.37	1.85	4201	TELANGANA	4201	TS_SPDCL	
TO 422033	DINDI SS	220.00	M1	1.5	-0.8	1.7	1			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL	
TO 422033	DINDI SS	220.00	M2	1.5	-0.8	1.7	1			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL	
TO 422035	CHALAKURTHY	220.00	M1	-76.7	-9.9	77.4	33			0.31	1.99	4201	TELANGANA	4201	TS_SPDCL	
TO 422035	CHALAKURTHY	220.00	M2	-76.7	-9.9	77.4	33			0.31	1.99	4201	TELANGANA	4201	TS_SPDCL	
BUS 422052	OGLAPUR	220.00	CKT	MW	MVAR	MVA	% 0.9922PU	-28.32	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422052
							218.28KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422040	NAGARAM	220.00	T1	175.6	43.3	180.8	39			0.30	1.72	4201	TELANGANA	4203	TS_NPDCL	
TO 422040	NAGARAM	220.00	T2	175.6	43.3	180.8	39			0.30	1.72	4201	TELANGANA	4203	TS_NPDCL	
TO 422065	BOMMAKAL	220.00	M1	58.3	1.5	58.3	25			0.29	1.91	4201	TELANGANA	4206	TS_WW	
TO 422099	HUZURABAD	220.00	M1	171.6	31.3	174.4	75			1.62	10.42	4201	TELANGANA	4203	TS_NPDCL	
TO 424010	WARANGAL	400.00	1	-162.0	-33.3	165.4	52 1.0000UN			0.00	11.02	4201	TELANGANA	4203	TS_NPDCL	
TO 424010	WARANGAL	400.00	2	-162.0	-33.3	165.4	52 1.0000UN			0.00	11.02	4201	TELANGANA	4203	TS_NPDCL	
TO 424010	WARANGAL	400.00	3	-257.1	-52.9	262.5	52 1.0000UN			0.00	17.50	4201	TELANGANA	4203	TS_NPDCL	
BUS 422053	SALIVAGU	220.00	CKT	MW	MVAR	MVA	% 0.9904PU	-28.49	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422053
							217.89KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				10.0	3.3	10.5										
TO 422044	PULAKURTHY	220.00	M1	39.8	5.8	40.2	17			0.03	0.17	4201	TELANGANA	4205	TS_LIS	
TO 422147	KTPP	220.00	M1	-49.8	-9.1	50.6	22			0.05	0.74	4201	TELANGANA	4203	TS_NPDCL	
BUS 422054	SHANKARPALLY	220.00	CKT	MW	MVAR	MVA	% 0.9781PU	-32.98	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422054
							215.18KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422001	TANDUR	220.00	Z1	50.0	-15.4	52.3	25			0.29	1.89	4201	TELANGANA	4201	TS_SPDCL	
TO 422014	YEDUMRAM	220.00	M2	78.7	12.8	79.7	34			0.08	0.53	4201	TELANGANA	4201	TS_SPDCL	
TO 422014	YEDUMRAM	220.00	Z1	82.8	9.5	83.3	40			0.11	0.55	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	H2	140.1	40.6	145.8	27			0.74	4.23	4201	TELANGANA	4201	TS_SPDCL	
TO 422063	SADASIVPET	220.00	H1	38.7	-10.8	40.2	8			0.11	0.52	4201	TELANGANA	4201	TS_SPDCL	
TO 422063	SADASIVPET	220.00	H2	38.7	-10.8	40.2	8			0.11	0.52	4201	TELANGANA	4201	TS_SPDCL	
TO 422083	PARIGI 220KV	220.00	M1	57.6	19.6	60.9	26			0.23	1.47	4201	TELANGANA	4201	TS_SPDCL	
TO 422083	PARIGI 220KV	220.00	M2	57.6	19.6	60.9	26			0.23	1.47	4201	TELANGANA	4201	TS_SPDCL	
TO 422116	KETHIREDDYPA	220.00	M1	0.6	2.6	2.7	1			0.00	0.01	4201	TELANGANA	4201	TS_SPDCL	
TO 422153	KOLLUR	220.00	H1	157.8	46.2	164.4	31			0.50	2.86	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	1	-153.2	-24.9	155.2	49 1.0000UN			0.50	9.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	2	-153.2	-24.9	155.2	49 1.0000UN			0.50	9.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	3	-153.2	-24.9	155.2	49 1.0000UN			0.50	9.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	4	-243.1	-39.4	246.3	49 1.0000UN			0.79	15.85	4201	TELANGANA	4201	TS_SPDCL	

BUS 422055	MANDAMARRI	220.00	CKT	MW	MVAR	MVA	% 0.9888PU	-29.45	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422055
						217.55KV				MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421007	MNDMRRI_132	132.00	1	27.2	-1.1	27.2	27 1.0000LK			0.19	0.95	4201	TELANGANA	4203	TS_NPDCL	
TO 421007	MNDMRRI_132	132.00	2	27.2	-1.1	27.2	27 1.0000LK			0.19	0.95	4201	TELANGANA	4203	TS_NPDCL	
TO 421007	MNDMRRI_132	132.00	3	27.2	-1.1	27.2	27 1.0000LK			0.19	0.95	4201	TELANGANA	4203	TS_NPDCL	
TO 422009	RSS 220KV SS220.00	M1	-47.6	2.0	47.6	20				0.11	0.70	4201	TELANGANA	4203	TS_NPDCL	
TO 422078	MURMUR	220.00	M1	-34.0	1.5	34.0	15			0.04	0.28	4201	TELANGANA	4206	TS_WW	
BUS 422056	MEDARAM	220.00	CKT	MW	MVAR	MVA	% 0.9888PU	-29.14	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422056
						217.54KV				MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				25.3	8.3	26.6										
TO 422009	RSS 220KV SS220.00	Z1	-75.3	-0.6	75.3	36				0.08	0.70	4201	TELANGANA	4203	TS_NPDCL	
TO 422151	KATHALAPUR	220.00	Z1	50.0	-7.7	50.6	24			0.24	1.41	4201	TELANGANA	4203	TS_NPDCL	
BUS 422057	VEMANOOR	220.00	CKT	MW	MVAR	MVA	% 0.9856PU	-29.52	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422057
						216.83KV				MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				37.1	12.2	39.0										
TO 422009	RSS 220KV SS220.00	Z1	-75.2	-5.9	75.4	36				0.25	1.23	4201	TELANGANA	4203	TS_NPDCL	
TO 422036	JAGTYALA	220.00	Z1	38.1	-6.4	38.6	19			0.11	0.57	4201	TELANGANA	4203	TS_NPDCL	
BUS 422058	GUNROCK	220.00	CKT	MW	MVAR	MVA	% 0.9701PU	-33.44	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422058
						213.42KV				MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421081	GUNROCK	132.00	1	77.2	13.0	78.2	49 1.0000LK			1.02	5.13	4201	TELANGANA	4201	TS_SPDCL	
TO 421081	GUNROCK	132.00	2	77.2	13.0	78.2	49 1.0000LK			1.02	5.13	4201	TELANGANA	4201	TS_SPDCL	
TO 421081	GUNROCK	132.00	3	77.2	13.0	78.2	49 1.0000LK			1.02	5.13	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	C1	-125.9	-19.7	127.4	43			0.14	1.03	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	C2	-125.9	-19.7	127.4	43			0.14	1.03	4201	TELANGANA	4201	TS_SPDCL	
TO 422154	SAINIKPURI	220.00	MC	20.3	0.3	20.3	9			0.01	0.03	4201	TELANGANA	4201	TS_SPDCL	
BUS 422059	NBEIL	220.00	CKT	MW	MVAR	MVA	% 1.0005PU	-25.11	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422059
FROM GENERATION				127.5	-15.0L	128.4	73 220.11KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422023	BPD 220KV SS220.00	M1	63.8	-7.5	64.2	27				0.40	2.08	4201	TELANGANA	4203	TS_NPDCL	
TO 422023	BPD 220KV SS220.00	M2	63.8	-7.5	64.2	27				0.40	2.08	4201	TELANGANA	4203	TS_NPDCL	
BUS 422060	JURLA-SS	220.00	CKT	MW	MVAR	MVA	% 0.9995PU	-25.58	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422060
						219.88KV				MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421213	JURLA 132 B132.00	1	44.3	8.1	45.0	45 1.0000LK				0.51	2.56	4201	TELANGANA	4201	TS_SPDCL	
TO 421213	JURLA 132 B132.00	2	70.8	12.9	72.0	45 1.0000LK				0.81	4.09	4201	TELANGANA	4201	TS_SPDCL	
TO 421213	JURLA 132 B132.00	3	70.8	12.9	72.0	45 1.0000LK				0.81	4.09	4201	TELANGANA	4201	TS_SPDCL	
TO 421213	JURLA 132 B132.00	4	70.8	12.9	72.0	45 1.0000LK				0.81	4.09	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS 220.00	M1	4.6	-1.0	4.7	2				0.00	0.01	4201	TELANGANA	4201	TS_SPDCL	
TO 422050	UPPER JURLA220.00	M1	-81.9	-29.3	87.0	37				0.02	0.10	4201	TELANGANA	4201	TS_SPDCL	
TO 422050	UPPER JURLA220.00	M2	-81.9	-29.3	87.0	37				0.02	0.10	4201	TELANGANA	4201	TS_SPDCL	

TO 422061	LOWER JURALA	220.00	M1	-48.2	0.4	48.2	21			0.03	0.19	4201	TELANGANA	4201	TS_SPDCL				
TO 422061	LOWER JURALA	220.00	M2	-48.8	0.5	48.8	21			0.03	0.20	4201	TELANGANA	4201	TS_SPDCL				
TO 422061	LOWER JURALA	220.00	M3	-48.2	0.4	48.2	21			0.03	0.19	4201	TELANGANA	4201	TS_SPDCL				
TO 422069	NETTEMPADU	220.00	Z1	31.7	8.5	32.8	16			0.01	0.05	4201	TELANGANA	4205	TS_LIS				
TO 422086	NETTEMPADU	2220.00	Z1	15.9	3.1	16.2	8			0.01	0.03	4201	TELANGANA	4205	TS_LIS				
BUS 422061	LOWER JURALA	220.00	CKT	MW	MVAR	MVA	% 1.0000	PU	-25.35	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	422061
FROM GENERATION				168.0	-6.0R	168.1	61	220.00KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 422049	VLT 220 BUS	220.00	M1	22.6	-1.0	22.7	10			0.02	0.12	4201	TELANGANA	4201	TS_SPDCL				
TO 422060	JURLA-SS	220.00	M1	48.3	-1.6	48.3	21			0.03	0.19	4201	TELANGANA	4201	TS_SPDCL				
TO 422060	JURLA-SS	220.00	M2	48.8	-1.7	48.9	21			0.03	0.20	4201	TELANGANA	4201	TS_SPDCL				
TO 422060	JURLA-SS	220.00	M3	48.3	-1.6	48.3	21			0.03	0.19	4201	TELANGANA	4201	TS_SPDCL				
BUS 422063	SADASIVPET	220.00	CKT	MW	MVAR	MVA	% 0.9783	PU	-33.74	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	422063
								215.22KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421056	SADSIPET	132.00	1	26.4	-3.7	26.6	17	1.0000LK			0.12	0.58	4201	TELANGANA	4201	TS_SPDCL			
TO 421056	SADSIPET	132.00	2	26.4	-3.7	26.6	17	1.0000LK			0.12	0.58	4201	TELANGANA	4201	TS_SPDCL			
TO 421056	SADSIPET	132.00	3	16.5	-2.3	16.7	17	1.0000LK			0.07	0.37	4201	TELANGANA	4201	TS_SPDCL			
TO 422054	SHANKARPALLY	220.00	H1	-38.6	6.3	39.1	7			0.11	0.52	4201	TELANGANA	4201	TS_SPDCL				
TO 422054	SHANKARPALLY	220.00	H2	-38.6	6.3	39.1	7			0.11	0.52	4201	TELANGANA	4201	TS_SPDCL				
TO 422161	CHELMEDA	220.00	M1	4.0	-1.5	4.2	2			0.00	0.00	4201	TELANGANA	4205	TS_LIS				
TO 422161	CHELMEDA	220.00	M2	4.0	-1.5	4.2	2			0.00	0.00	4201	TELANGANA	4205	TS_LIS				
BUS 422064	MALLARAM	220.00	CKT	MW	MVAR	MVA	% 0.9740	PU	-32.93	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	422064
								214.29KV			MW	MVAR	4201	TELANGANA	4206	TS_WW			
TO LOAD-PQ				25.0	3.8	25.3													
TO 422022	SIDDIPET	220.00	Z1	19.0	0.3	19.0	9			0.01	0.07	4201	TELANGANA	4201	TS_SPDCL				
TO 422139	DURSHED-2	220.00	Z1	-44.0	-4.2	44.2	21			0.20	1.07	4201	TELANGANA	4203	TS_NPDCL				
BUS 422065	BOMMAKAL	220.00	CKT	MW	MVAR	MVA	% 0.9843	PU	-30.16	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	422065
								216.55KV			MW	MVAR	4201	TELANGANA	4206	TS_WW			
TO LOAD-PQ				58.0	9.0	58.7													
TO 422052	OGLAPUR	220.00	M1	-58.0	-9.0	58.7	25			0.29	1.91	4201	TELANGANA	4203	TS_NPDCL				
BUS 422066	OSMANIA	220.00	CKT	MW	MVAR	MVA	% 0.9921	PU	-33.20	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	422066
								218.26KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421205	OSMANIA	132.00	1	74.8	10.9	75.6	47	1.0000LK			0.91	4.58	4201	TELANGANA	4201	TS_SPDCL			
TO 421205	OSMANIA	132.00	2	74.8	10.9	75.6	47	1.0000LK			0.91	4.58	4201	TELANGANA	4201	TS_SPDCL			
TO 422075	NAGOLE	220.00	C1	-74.8	-10.9	75.6	26			0.02	0.14	4201	TELANGANA	4201	TS_SPDCL				
TO 422075	NAGOLE	220.00	C2	-74.8	-10.9	75.6	26			0.02	0.14	4201	TELANGANA	4201	TS_SPDCL				

BUS 422067	KONDAPAKKA	220.00	CKT	MW	MVAR	MVA	% 0.9803PU	-32.56	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422067
							215.66KV			MW	MVAR	4201	TELANGANA	4206	TS_WW	
TO LOAD-PQ				25.0	3.8	25.3										
TO 422041	GJWL 220	BUS220.00	M1	-38.5	0.5	38.5	16			0.05	0.33	4201	TELANGANA	4201	TS_SPDCL	
TO 422045	KAMAREDDY	220.00	M1	13.5	-4.3	14.2	6			0.02	0.12	4201	TELANGANA	4203	TS_NPDCL	
BUS 422068	BONGLUR	220.00	CKT	MW	MVAR	MVA	% 0.9822PU	-32.19	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422068
							216.08KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421206	BONGLUR	132.00	1	42.7	8.7	43.6	44 1.0000LK			0.49	2.49	4201	TELANGANA	4201	TS_SPDCL	
TO 421206	BONGLUR	132.00	2	42.7	8.7	43.6	44 1.0000LK			0.49	2.49	4201	TELANGANA	4201	TS_SPDCL	
TO 422002	CHNDRYNGUTTA	220.00	Z1	101.4	-2.6	101.5	49			0.23	1.18	4201	TELANGANA	4201	TS_SPDCL	
TO 422002	CHNDRYNGUTTA	220.00	Z2	101.4	-2.6	101.5	49			0.23	1.18	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	Z1	-144.2	-6.1	144.3	69			0.93	5.02	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	Z2	-144.2	-6.1	144.3	69			0.93	5.02	4201	TELANGANA	4201	TS_SPDCL	
BUS 422069	NETTEMPADU	220.00	CKT	MW	MVAR	MVA	% 0.9988PU	-25.66	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422069
							219.73KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				27.2	9.0	28.6										
TO 422060	JURLA-SS	220.00	Z1	-31.7	-9.3	33.0	16			0.01	0.05	4201	TELANGANA	4201	TS_SPDCL	
TO 422086	NETTEMPADU-220	220.00	Z1	4.5	0.3	4.5	2			0.00	0.00	4201	TELANGANA	4205	TS_LIS	
BUS 422070	REGIMANUGADD	220.00	CKT	MW	MVAR	MVA	% 0.9899PU	-28.10	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422070
							217.78KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				60.0	0.0	60.0										
TO 422080	SINGOTTAM	220.00	Z1	-47.5	10.6	48.7	23			0.09	0.46	4201	TELANGANA	4201	TS_SPDCL	
TO 422082	JBOGUDA	220.00	Z1	-5.1	-7.0	8.6	4			0.00	0.01	4201	TELANGANA	4205	TS_LIS	
TO 422101	YELLUR	220.00	Z1	-7.3	-3.6	8.2	4			0.00	0.00	4201	TELANGANA	4206	TS_WW	
BUS 422071	FABCITY	220.00	CKT	MW	MVAR	MVA	% 0.9807PU	-31.84	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422071
							215.76KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421207	FABCITY	132.00	1	54.0	10.3	55.0	55 1.0000LK			0.79	3.96	4201	TELANGANA	4201	TS_SPDCL	
TO 421207	FABCITY	132.00	2	54.0	10.3	55.0	55 1.0000LK			0.79	3.96	4201	TELANGANA	4201	TS_SPDCL	
TO 421207	FABCITY	132.00	3	86.4	16.5	88.0	55 1.0000LK			1.26	6.34	4201	TELANGANA	4201	TS_SPDCL	
TO 422031	MMP 220	BUS 220.00	M1	51.4	6.7	51.9	22			0.02	0.13	4201	TELANGANA	4201	TS_SPDCL	
TO 422031	MMP 220	BUS 220.00	M2	51.4	6.7	51.9	22			0.02	0.13	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	M1	-148.7	-25.3	150.8	64			0.68	4.45	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	M2	-148.7	-25.3	150.8	64			0.68	4.45	4201	TELANGANA	4201	TS_SPDCL	
BUS 422072	ERRAGADDA	220.00	CKT	MW	MVAR	MVA	% 0.9596PU	-35.27	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422072
							211.10KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421283	ERGD GIS	132132.00	1	73.4	13.2	74.6	47 1.0000LK			0.94	4.76	4201	TELANGANA	4201	TS_SPDCL	
TO 421283	ERGD GIS	132132.00	2	73.4	13.2	74.6	47 1.0000LK			0.94	4.76	4201	TELANGANA	4201	TS_SPDCL	
TO 421283	ERGD GIS	132132.00	3	73.4	13.2	74.6	47 1.0000LK			0.94	4.76	4201	TELANGANA	4201	TS_SPDCL	
TO 422011	SHAPURNR	220.00	Z1	-101.4	-11.0	102.0	49			0.21	1.21	4201	TELANGANA	4201	TS_SPDCL	

TO 422144	RAIDURG	220.00	Z1	-118.7	-28.7	122.1	59			0.40	2.13	4201	TELANGANA	4204	TS_GHMC				
BUS 422073	MIYAPUR	220.00	CKT		MW	MVAR	MVA	% 0.9614PU	-34.93	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422073
								211.51KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421208	MIYAPUR	132.00	1	71.8	13.4	73.1	46	1.0000LK			0.90	4.55	4201	TELANGANA	4201	TS_SPDCL			
TO 421208	MIYAPUR	132.00	2	71.8	13.4	73.1	46	1.0000LK			0.90	4.55	4201	TELANGANA	4201	TS_SPDCL			
TO 422011	SHAPURNGR	220.00	Z1	-75.1	-4.9	75.3	36				0.08	0.42	4201	TELANGANA	4201	TS_SPDCL			
TO 422144	RAIDURG	220.00	Z1	-68.5	-22.0	72.0	35				0.15	0.81	4201	TELANGANA	4204	TS_GHMC			
BUS 422074	SURYAPET	220.00	CKT		MW	MVAR	MVA	% 0.9929PU	-27.74	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422074
								218.43KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 412044	CHILLAKALLU	220.00	M1	-53.9	-15.2	56.0	24				0.06	0.33	4101	ANDRAPRADESH	4115	AP-KRISHNA			
TO 421214	SURYAPET BUS	132.00	1	65.4	16.1	67.3	67	1.0000LK			1.15	5.79	4201	TELANGANA	4201	TS_SPDCL			
TO 421214	SURYAPET BUS	132.00	2	65.4	16.1	67.3	67	1.0000LK			1.15	5.79	4201	TELANGANA	4201	TS_SPDCL			
TO 421214	SURYAPET BUS	132.00	3	104.5	25.7	107.6	67	1.0000LK			1.84	9.26	4201	TELANGANA	4201	TS_SPDCL			
TO 422006	MIRYALAGUDA	220.00	Z1	-40.7	11.7	42.4	20				0.16	0.89	4201	TELANGANA	4201	TS_SPDCL			
TO 422006	MIRYALAGUDA	220.00	Z2	-40.7	11.7	42.4	20				0.16	0.89	4201	TELANGANA	4201	TS_SPDCL			
TO 422023	BPD 220KV SS	220.00	Z1	-20.7	-7.2	21.9	11				0.05	0.27	4201	TELANGANA	4203	TS_NPDCL			
TO 422023	BPD 220KV SS	220.00	Z2	-20.7	-7.2	21.9	11				0.05	0.27	4201	TELANGANA	4203	TS_NPDCL			
TO 422026	NKP 220KVSS	220.00	M1	64.6	12.4	65.7	28				0.41	2.65	4201	TELANGANA	4201	TS_SPDCL			
TO 424016	SURYAPET	400.00	1	-34.3	-17.8	38.7	12	1.0000UN			0.03	0.60	4201	TELANGANA	4203	TS_NPDCL			
TO 424016	SURYAPET	400.00	2	-34.3	-17.8	38.7	12	1.0000UN			0.03	0.60	4201	TELANGANA	4203	TS_NPDCL			
TO 424016	SURYAPET	400.00	3	-54.5	-28.3	61.4	12	1.0000UN			0.05	0.96	4201	TELANGANA	4203	TS_NPDCL			
BUS 422075	NAGOLE	220.00	CKT		MW	MVAR	MVA	% 0.9924PU	-33.10	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422075
								218.32KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421212	NAGOLE 132 B	132.00	1	46.4	6.1	46.9	29	1.0000LK			0.35	1.76	4201	TELANGANA	4201	TS_SPDCL			
TO 421212	NAGOLE 132 B	132.00	2	46.4	6.1	46.9	29	1.0000LK			0.35	1.76	4201	TELANGANA	4201	TS_SPDCL			
TO 422003	GHANAPUR	220.00	M1	-121.3	2.8	121.3	52				0.37	2.30	4201	TELANGANA	4201	TS_SPDCL			
TO 422003	GHANAPUR	220.00	M2	-121.3	2.8	121.3	52				0.37	2.30	4201	TELANGANA	4201	TS_SPDCL			
TO 422066	OSMANIA	220.00	C1	74.8	-8.9	75.4	26				0.02	0.14	4201	TELANGANA	4201	TS_SPDCL			
TO 422066	OSMANIA	220.00	C2	74.8	-8.9	75.4	26				0.02	0.14	4201	TELANGANA	4201	TS_SPDCL			
BUS 422076	HAYATHNAGAR	220.00	CKT		MW	MVAR	MVA	% 0.9931PU	-32.38	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422076
								218.47KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO LOAD-PQ				56.2	3.8	56.3													
TO 422003	GHANAPUR	220.00	MC	-40.6	-5.9	41.0	18				0.05	0.27	4201	TELANGANA	4201	TS_SPDCL			
TO 422155	KACHA SINGAR	220.00	M1	-15.6	2.1	15.7	7				0.01	0.04	4201	TELANGANA	4201	TS_SPDCL			
BUS 422077	MANTHANI	220.00	CKT		MW	MVAR	MVA	% 0.9852PU	-28.97	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422077
								216.75KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL			
TO 421210	MNTHNI 132 B	132.00	1	46.3	16.5	49.1	49	1.0000LK			0.62	3.14	4201	TELANGANA	4203	TS_NPDCL			
TO 421210	MNTHNI 132 B	132.00	2	46.3	16.5	49.1	49	1.0000LK			0.62	3.14	4201	TELANGANA	4203	TS_NPDCL			
TO 421210	MNTHNI 132 B	132.00	3	46.3	16.5	49.1	49	1.0000LK			0.62	3.14	4201	TELANGANA	4203	TS_NPDCL			

TO 422009	RSS 220KV	SS220.00	Z1	-19.2	-12.5	22.9	11			0.03	0.17	4201	TELANGANA	4203	TS_NPDCL
TO 422040	NAGARAM	220.00	Z1	-3.2	-10.1	10.6	5			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL
TO 422147	KTPP	220.00	M1	-58.2	-13.4	59.7	26			0.20	1.42	4201	TELANGANA	4203	TS_NPDCL
TO 422147	KTPP	220.00	M2	-58.2	-13.4	59.7	26			0.20	1.42	4201	TELANGANA	4203	TS_NPDCL
BUS 422078	MURMUR	220.00	CKT	MW	MVAR	MVA	% 0.9893PU	-28.97	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422078
							217.64KV			MW	MVAR	4201	TELANGANA	4206	TS_WW
TO LOAD-PQ				15.0	2.3	15.2									
TO 422009	RSS 220KV	SS220.00	M1	-49.0	2.9	49.1	21			0.05	0.32	4201	TELANGANA	4203	TS_NPDCL
TO 422055	MANDAMARRI	220.00	M1	34.0	-5.2	34.4	15			0.04	0.28	4201	TELANGANA	4203	TS_NPDCL
BUS 422079	PULIYATHANDA	220.00	CKT	MW	MVAR	MVA	% 0.9979PU	-25.41	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422079
							219.54KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS
TO LOAD-PQ				4.8	1.6	5.1									
TO 422035	CHALAKURTHY	220.00	Z1	-12.8	0.3	12.9	6			0.00	0.03	4201	TELANGANA	4201	TS_SPDCL
TO 422038	PUTTAMGANDI	220.00	Z1	8.0	-1.9	8.3	4			0.00	0.01	4201	TELANGANA	4205	TS_LIS
BUS 422080	SINGOTTAM	220.00	CKT	MW	MVAR	MVA	% 0.9894PU	-27.56	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422080
							217.67KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO LOAD-PQ				32.7	11.6	34.7									
TO 421461	SINGOTAM	132.00	1	6.3	1.9	6.6	7 1.0000LK			0.01	0.06	4201	TELANGANA	4201	TS_SPDCL
TO 421461	SINGOTAM	132.00	2	6.3	1.9	6.6	7 1.0000LK			0.01	0.06	4201	TELANGANA	4201	TS_SPDCL
TO 422046	WANAPARTHY	220.00	Z1	-92.9	-2.0	92.9	45			0.42	2.12	4201	TELANGANA	4201	TS_SPDCL
TO 422070	REGIMANUGADD	220.00	Z1	47.6	-13.4	49.5	24			0.09	0.46	4201	TELANGANA	4205	TS_LIS
BUS 422081	GPGATTU	220.00	CKT	MW	MVAR	MVA	% 0.9927PU	-27.60	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422081
							218.40KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS
TO LOAD-PQ				60.0	0.0	60.0									
TO 422049	VLT 220 BUS	220.00	M1	-91.3	-4.2	91.4	39			0.48	3.15	4201	TELANGANA	4201	TS_SPDCL
TO 422049	VLT 220 BUS	220.00	M2	-91.3	-4.2	91.4	39			0.48	3.15	4201	TELANGANA	4201	TS_SPDCL
TO 422082	JBOGUDA	220.00	Z1	65.2	2.8	65.3	31			0.09	0.53	4201	TELANGANA	4205	TS_LIS
TO 422102	GOURIDEVPALL	220.00	Z1	57.4	5.7	57.7	28			0.02	0.10	4201	TELANGANA	4206	TS_WW
BUS 422082	JBOGUDA	220.00	CKT	MW	MVAR	MVA	% 0.9909PU	-28.07	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422082
							217.99KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS
TO LOAD-PQ				60.0	0.0	60.0									
TO 422070	REGIMANUGADD	220.00	Z1	5.1	4.4	6.7	3			0.00	0.01	4201	TELANGANA	4205	TS_LIS
TO 422081	GPGATTU	220.00	Z1	-65.1	-4.4	65.3	31			0.09	0.53	4201	TELANGANA	4205	TS_LIS
BUS 422083	PARIGI 220KV	220.00	CKT	MW	MVAR	MVA	% 0.9665PU	-34.19	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422083
							212.62KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421209	PARIGI 132 N	132.00	1	21.9	2.2	22.0	22 1.0000LK			0.13	0.65	4201	TELANGANA	4201	TS_SPDCL
TO 421209	PARIGI 132 N	132.00	2	21.9	2.2	22.0	22 1.0000LK			0.13	0.65	4201	TELANGANA	4201	TS_SPDCL
TO 422054	SHANKARPALLY	220.00	M1	-57.4	-24.2	62.3	27			0.23	1.47	4201	TELANGANA	4201	TS_SPDCL

TO 422054	SHANKARPALLY	220.00	M2	-57.4	-24.2	62.3	27		0.23	1.47	4201	TELANGANA	4201	TS_SPDCL	
TO 422084	KOSIGI	220.00	M1	35.5	22.0	41.8	18		0.10	0.66	4201	TELANGANA	4201	TS_SPDCL	
TO 422084	KOSIGI	220.00	M2	35.5	22.0	41.8	18		0.10	0.66	4201	TELANGANA	4201	TS_SPDCL	
BUS 422084	KOSIGI	220.00	CKT	MW	MVAR	MVA	% 0.9563PU	-34.83	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422084
							210.39KV								
TO 421215	KOSIGI	132 B132.00	1	16.9	12.7	21.1	21 1.0000LK		0.12	0.61	4201	TELANGANA	4201	TS_SPDCL	
TO 421215	KOSIGI	132 B132.00	2	27.0	20.3	33.8	21 1.0000LK		0.19	0.98	4201	TELANGANA	4201	TS_SPDCL	
TO 421215	KOSIGI	132 B132.00	3	27.0	20.3	33.8	21 1.0000LK		0.19	0.98	4201	TELANGANA	4201	TS_SPDCL	
TO 422083	PARIGI	220KV220.00	M1	-35.4	-26.6	44.3	19		0.10	0.66	4201	TELANGANA	4201	TS_SPDCL	
TO 422083	PARIGI	220KV220.00	M2	-35.4	-26.6	44.3	19		0.10	0.66	4201	TELANGANA	4201	TS_SPDCL	
BUS 422085	KTPS-V	220.00	CKT	MW	MVAR	MVA	% 1.0000PU	-26.35	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422085
FROM GENERATION				425.0	23.5R	425.6	72 220.00KV								
TO 422005	KTPS-ABC	220.00	Z1	23.5	15.1	27.9	13		0.00	0.01	4201	TELANGANA	4203	TS_NPDCL	
TO 422005	KTPS-ABC	220.00	Z2	23.5	15.1	27.9	13		0.00	0.01	4201	TELANGANA	4203	TS_NPDCL	
TO 422012	STRMPTNM	220.00	Z1	30.1	-3.8	30.3	15		0.01	0.04	4201	TELANGANA	4203	TS_NPDCL	
TO 422012	STRMPTNM	220.00	Z2	30.1	-3.8	30.3	15		0.01	0.04	4201	TELANGANA	4203	TS_NPDCL	
TO 422023	BPD 220KV SS	220.00	T1	36.5	0.6	36.6	8		0.05	0.44	4201	TELANGANA	4203	TS_NPDCL	
TO 422023	BPD 220KV SS	220.00	T2	36.5	0.6	36.6	8		0.05	0.44	4201	TELANGANA	4203	TS_NPDCL	
TO 422137	BGKOTHUR	220.00	Z1	-8.8	0.4	8.8	4		0.00	0.02	4201	TELANGANA	4205	TS_LIS	
TO 424012	KTPS-VI	400.00	1	253.5	-0.8	253.5	80 1.0000UN		1.27	25.50	4201	TELANGANA	4203	TS_NPDCL	
BUS 422086	NETTEMPADU	220.00	CKT	MW	MVAR	MVA	% 0.9986PU	-25.68	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422086
							219.70KV								
TO LOAD-PQ				20.4	6.7	21.5									
TO 422060	JURLA-SS	220.00	Z1	-15.9	-5.1	16.7	8		0.01	0.03	4201	TELANGANA	4201	TS_SPDCL	
TO 422069	NETTEMPADU	220.00	Z1	-4.5	-1.6	4.7	2		0.00	0.00	4201	TELANGANA	4205	TS_LIS	
BUS 422087	SITAPURAM	220.00	CKT	MW	MVAR	MVA	% 0.9959PU	-27.30	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422087
							219.11KV								
TO 421178	SITAPURAM	132.00	1	26.5	0.9	26.5	26 1.0000LK		0.18	0.89	4201	TELANGANA	4201	TS_SPDCL	
TO 421178	SITAPURAM	132.00	2	26.5	0.9	26.5	26 1.0000LK		0.18	0.89	4201	TELANGANA	4201	TS_SPDCL	
TO 422088	PULICHINTALA	220.00	M1	-39.9	-32.0	51.1	22		0.03	0.16	4201	TELANGANA	4201	TS_SPDCL	
TO 422117	HUZURNAGAR	220.00	M1	-13.1	30.1	32.8	14		0.04	0.29	4201	TELANGANA	4201	TS_SPDCL	
BUS 422088	PULICHINTALA	220.00	CKT	MW	MVAR	MVA	% 0.9982PU	-27.18	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422088
FROM GENERATION				84.0	48.0H	96.7	69 219.61KV								
TO 412044	CHILLAKALLU	220.00	M1	44.1	16.9	47.3	20		0.05	0.24	4101	ANDRAPRADESH	4115	AP-KRISHNA	
TO 422087	SITAPURAM	220.00	M1	39.9	31.1	50.6	22		0.03	0.16	4201	TELANGANA	4201	TS_SPDCL	

BUS 422089	SIRICILLA	220.00	CKT	MW	MVAR	MVA	% 0.9628PU	-32.56	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422089
						211.81KV										
TO 421218	SIRCILLA	132132.00	1	61.9	20.8	65.3	41 1.0000LK			0.72	3.63	4201	TELANGANA	4203	TS_NPDCL	
TO 421218	SIRCILLA	132132.00	2	61.9	20.8	65.3	41 1.0000LK			0.72	3.63	4201	TELANGANA	4203	TS_NPDCL	
TO 421218	SIRCILLA	132132.00	3	61.9	20.8	65.3	41 1.0000LK			0.72	3.63	4201	TELANGANA	4203	TS_NPDCL	
TO 422128	RAMADUGU_220	220.00	M1	-92.8	-31.2	98.0	42			0.67	4.32	4201	TELANGANA	4203	TS_NPDCL	
TO 422128	RAMADUGU_220	220.00	M2	-92.8	-31.2	98.0	42			0.67	4.32	4201	TELANGANA	4203	TS_NPDCL	
BUS 422090	AKSHAY_VLT	220.00	CKT	MW	MVAR	MVA	% 1.0000PU	-25.29	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422090
FROM GENERATION				85.0	0.6R	85.0	72 220.00KV									
TO 422049	VLT 220 BUS	220.00	M1	85.0	0.6	85.0	36			0.08	0.53	4201	TELANGANA	4201	TS_SPDCL	
BUS 422091	IMLIBUN GIS	220.00	CKT	MW	MVAR	MVA	% 0.9794PU	-33.09	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422091
						215.48KV										
TO 421324	GIS IMLIBUN	132.00	1	60.6	9.5	61.3	38 1.0000LK			0.61	3.09	4201	TELANGANA	4201	TS_SPDCL	
TO 421324	GIS IMLIBUN	132.00	2	60.6	9.5	61.3	38 1.0000LK			0.61	3.09	4201	TELANGANA	4201	TS_SPDCL	
TO 422002	CHNDRYNGUTTA	220.00	C2	-48.6	-1.4	48.6	16			0.03	0.19	4201	TELANGANA	4201	TS_SPDCL	
TO 422131	CHANCHALGUDA	220.00	C1	-72.5	-17.6	74.6	25			0.01	0.07	4201	TELANGANA	4201	TS_SPDCL	
BUS 422092	POCHARAM	220.00	CKT	MW	MVAR	MVA	% 0.9955PU	-32.25	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422092
						219.01KV										
TO LOAD-PQ				12.1	2.4	12.3										
TO 422003	GHANAPUR	220.00	Z1	-89.0	27.7	93.2	45			0.07	0.39	4201	TELANGANA	4201	TS_SPDCL	
TO 422020	MOULALI	220.00	Z1	76.9	-30.1	82.6	40			0.04	0.33	4201	TELANGANA	4201	TS_SPDCL	
BUS 422093	NARSARPUR	220.00	CKT	MW	MVAR	MVA	% 0.9858PU	-32.04	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422093
						216.88KV										
TO 421332	NRSR_I32	132.00	1	57.3	14.5	59.1	59 1.0000LK			0.90	4.53	4201	TELANGANA	4201	TS_SPDCL	
TO 421332	NRSR_I32	132.00	2	91.6	23.2	94.5	59 1.0000LK			1.44	7.24	4201	TELANGANA	4201	TS_SPDCL	
TO 421332	NRSR_I32	132.00	3	57.3	14.5	59.1	59 1.0000LK			0.90	4.53	4201	TELANGANA	4201	TS_SPDCL	
TO 422030	MINPUR	220.00	M1	59.9	5.2	60.1	26			0.14	0.98	4201	TELANGANA	4201	TS_SPDCL	
TO 422030	MINPUR	220.00	M2	59.9	5.2	60.1	26			0.14	0.98	4201	TELANGANA	4201	TS_SPDCL	
TO 422121	MINAJIPET	220.00	M1	8.6	7.9	11.7	5			0.00	0.03	4201	TELANGANA	4201	TS_SPDCL	
TO 422121	MINAJIPET	220.00	M2	8.6	7.9	11.7	5			0.00	0.03	4201	TELANGANA	4201	TS_SPDCL	
TO 422150	BORAMPET	220.00	M	9.4	-21.5	23.5	10			0.02	0.11	4201	TELANGANA	4201	TS_SPDCL	
TO 422150	BORAMPET	220.00	MC	9.4	-21.5	23.5	10			0.02	0.11	4201	TELANGANA	4201	TS_SPDCL	
TO 422162	BORANCHA	220.00	M1	38.4	-2.2	38.5	16			0.12	0.86	4201	TELANGANA	4205	TS_LIS	
TO 422162	BORANCHA	220.00	M2	38.4	-2.2	38.5	16			0.12	0.86	4201	TELANGANA	4205	TS_LIS	
TO 424017	NARSARPUR	400.00	1	-146.3	-10.4	146.7	47 1.0000UN			0.44	8.78	4201	TELANGANA	4201	TS_SPDCL	
TO 424017	NARSARPUR	400.00	2	-146.3	-10.4	146.7	47 1.0000UN			0.44	8.78	4201	TELANGANA	4201	TS_SPDCL	
TO 424017	NARSARPUR	400.00	3	-146.3	-10.4	146.7	47 1.0000UN			0.44	8.78	4201	TELANGANA	4201	TS_SPDCL	

BUS 422094	RENEW_DCPL	220.00	CKT	MW	MVAR	MVA	% 1.0000PU	-28.70	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422094
FROM GENERATION				121.6	-16.8R	122.7	73 220.00KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220 BUS	220.00	M1	60.8	-8.4	61.3	26			0.15	0.97	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220 BUS	220.00	M2	60.8	-8.4	61.3	26			0.15	0.97	4201	TELANGANA	4203	TS_NPDCL	
BUS 422095	RENEW_MNP	220.00	CKT	MW	MVAR	MVA	% 0.9842PU	-32.61	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422095
FROM GENERATION				55.3	13.0H	56.8	75 216.51KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422030	MINPUR	220.00	M1	55.3	13.0	56.8	24			0.06	0.37	4201	TELANGANA	4201	TS_SPDCL	
BUS 422096	THIMMAJIPET	220.00	CKT	MW	MVAR	MVA	% 0.9938PU	-26.97	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422096
							218.63KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421439	THIMMAJIPET	132.00	1	38.1	0.4	38.1	38 1.0000LK			0.37	1.85	4201	TELANGANA	4201	TS_SPDCL	
TO 421439	THIMMAJIPET	132.00	2	60.9	0.7	60.9	38 1.0000LK			0.59	2.96	4201	TELANGANA	4201	TS_SPDCL	
TO 422018	KALWAKURTHY	220.00	Z1	15.8	6.1	17.0	8			0.02	0.10	4201	TELANGANA	4201	TS_SPDCL	
TO 422018	KALWAKURTHY	220.00	Z2	15.8	6.1	17.0	8			0.02	0.10	4201	TELANGANA	4201	TS_SPDCL	
TO 422019	MBNR 220KVSS	220.00	Z1	33.3	7.8	34.2	16			0.03	0.18	4201	TELANGANA	4201	TS_SPDCL	
TO 422019	MBNR 220KVSS	220.00	Z2	33.3	7.8	34.2	16			0.03	0.18	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	T1	-98.6	-14.5	99.7	21			0.25	2.34	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	T2	-98.6	-14.5	99.7	21			0.25	2.34	4201	TELANGANA	4201	TS_SPDCL	
BUS 422097	TRANFRM _VLT	220.00	CKT	MW	MVAR	MVA	% 0.9996PU	-25.56	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422097
FROM GENERATION				85.0	20.0H	87.3	74 219.91KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	M1	85.0	20.0	87.3	37			0.02	0.14	4201	TELANGANA	4201	TS_SPDCL	
BUS 422098	MAHES_220	220.00	CKT	MW	MVAR	MVA	% 0.9901PU	-30.22	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422098
							217.82KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422068	BONGLUR	220.00	Z1	145.1	7.2	145.3	70			0.93	5.02	4201	TELANGANA	4201	TS_SPDCL	
TO 422068	BONGLUR	220.00	Z2	145.1	7.2	145.3	70			0.93	5.02	4201	TELANGANA	4201	TS_SPDCL	
TO 422071	FABCITY	220.00	M1	149.3	26.6	151.7	65			0.68	4.45	4201	TELANGANA	4201	TS_SPDCL	
TO 422071	FABCITY	220.00	M2	149.3	26.6	151.7	65			0.68	4.45	4201	TELANGANA	4201	TS_SPDCL	
TO 422110	MADGULA	220.00	Z1	59.2	10.6	60.2	29			0.19	1.05	4201	TELANGANA	4201	TS_SPDCL	
TO 422110	MADGULA	220.00	Z2	59.2	10.6	60.2	29			0.19	1.05	4201	TELANGANA	4201	TS_SPDCL	
TO 424022	MAH SEC-A	400.00	1	-235.8	-29.6	237.6	48 1.0000UN			0.72	14.40	4201	TELANGANA	4201	TS_SPDCL	
TO 424022	MAH SEC-A	400.00	2	-235.8	-29.6	237.6	48 1.0000UN			0.72	14.40	4201	TELANGANA	4201	TS_SPDCL	
TO 424022	MAH SEC-A	400.00	3	-235.8	-29.6	237.6	48 1.0000UN			0.72	14.40	4201	TELANGANA	4201	TS_SPDCL	
BUS 422099	HUZURABAD	220.00	CKT	MW	MVAR	MVA	% 0.9733PU	-31.63	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422099
							214.12KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421355	HUZURBD NEW	132.00	1	58.3	13.9	59.9	37 1.0000LK			0.59	2.96	4201	TELANGANA	4203	TS_NPDCL	
TO 421355	HUZURBD NEW	132.00	2	58.3	13.9	59.9	37 1.0000LK			0.59	2.96	4201	TELANGANA	4203	TS_NPDCL	
TO 421355	HUZURBD NEW	132.00	3	58.3	13.9	59.9	37 1.0000LK			0.59	2.96	4201	TELANGANA	4203	TS_NPDCL	
TO 422052	OGLAPUR	220.00	M1	-170.0	-26.5	172.0	74			1.62	10.42	4201	TELANGANA	4203	TS_NPDCL	
TO 422139	DURSHED-2	220.00	M1	-4.9	-15.2	15.9	7			0.01	0.07	4201	TELANGANA	4203	TS_NPDCL	

BUS 422100	SUZLON_VLT	220.00	CKT	MW	MVAR	MVA	% 1.0000PU	-25.30	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422100
FROM GENERATION				85.0	0.6R	85.0	72 220.00KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	M1	85.0	0.6	85.0	36			0.08	0.51	4201	TELANGANA	4201	TS_SPDCL	
BUS 422101	YELLUR	220.00	CKT	MW	MVAR	MVA	% 0.9902PU	-28.07	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422101
							217.85KV			MW	MVAR	4201	TELANGANA	4206	TS_WW	
TO LOAD-PQ				20.0	3.1	20.2										
TO 422070	REGIMANUGADD	220.00	Z1	7.4	2.3	7.7	4			0.00	0.00	4201	TELANGANA	4205	TS_LIS	
TO 422102	GOURIDEVPALL	220.00	Z1	-27.4	-5.4	27.9	13			0.03	0.18	4201	TELANGANA	4206	TS_WW	
BUS 422102	GOURIDEVPALL	220.00	CKT	MW	MVAR	MVA	% 0.9923PU	-27.70	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422102
							218.30KV			MW	MVAR	4201	TELANGANA	4206	TS_WW	
TO LOAD-PQ				30.0	4.6	30.4										
TO 422081	GPGATTU	220.00	Z1	-57.4	-6.1	57.7	28			0.02	0.10	4201	TELANGANA	4205	TS_LIS	
TO 422101	YELLUR	220.00	Z1	27.4	1.5	27.4	13			0.03	0.18	4201	TELANGANA	4206	TS_WW	
BUS 422103	RENEW_VLT_2	220.00	CKT	MW	MVAR	MVA	% 1.0000PU	-25.26	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422103
FROM GENERATION				85.0	-0.6R	85.0	72 220.00KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	M1	85.0	-0.6	85.0	36			0.09	0.56	4201	TELANGANA	4201	TS_SPDCL	
BUS 422104	JULURPADU2	220.00	CKT	MW	MVAR	MVA	% 1.0007PU	-25.78	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422104
							220.15KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422112	KALLUR	220.00	M1	30.1	-5.7	30.7	13			0.05	0.31	4201	TELANGANA	4203	TS_NPDCL	
TO 422112	KALLUR	220.00	M2	30.1	-5.7	30.7	13			0.05	0.31	4201	TELANGANA	4203	TS_NPDCL	
TO 422119	PEDDAGOPATHI	220.00	M1	47.6	1.1	47.6	20			0.13	0.81	4201	TELANGANA	4203	TS_NPDCL	
TO 422119	PEDDAGOPATHI	220.00	M2	47.6	1.1	47.6	20			0.13	0.81	4201	TELANGANA	4203	TS_NPDCL	
TO 424023	JULURPADU	400.00	1	-77.7	4.6	77.9	25 1.0000UN			0.12	2.40	4201	TELANGANA	4201	TS_SPDCL	
TO 424023	JULURPADU	400.00	2	-77.7	4.6	77.9	25 1.0000UN			0.12	2.40	4201	TELANGANA	4201	TS_SPDCL	
BUS 422105	AZURE_SOLAR	220.00	CKT	MW	MVAR	MVA	% 0.9931PU	-26.84	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422105
FROM GENERATION				85.0	20.0H	87.3	74 218.47KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422018	KALWAKURTHY	220.00	M1	85.0	20.0	87.3	37			0.10	0.61	4201	TELANGANA	4201	TS_SPDCL	
BUS 422106	MAHABUBAD	220.00	CKT	MW	MVAR	MVA	% 0.9814PU	-29.33	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422106
							215.92KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421211	MAHABUBABAD	132.00	1	54.9	14.8	56.9	57 1.0000LK			0.84	4.23	4201	TELANGANA	4203	TS_NPDCL	
TO 421211	MAHABUBABAD	132.00	2	54.9	14.8	56.9	57 1.0000LK			0.84	4.23	4201	TELANGANA	4203	TS_NPDCL	
TO 421211	MAHABUBABAD	132.00	3	54.9	14.8	56.9	57 1.0000LK			0.84	4.23	4201	TELANGANA	4203	TS_NPDCL	
TO 422013	WARANGAL	220.00	M2	9.9	-6.6	11.9	5			0.01	0.07	4201	TELANGANA	4203	TS_NPDCL	
TO 422023	BPD 220KV SS	220.00	M1	-118.5	-25.0	121.1	52			0.80	5.20	4201	TELANGANA	4203	TS_NPDCL	
TO 422023	BPD 220KV SS	220.00	M2	-118.5	-25.0	121.1	52			0.80	5.20	4201	TELANGANA	4203	TS_NPDCL	
TO 422149	AMMAVARIPET	220.00	M1	62.4	12.3	63.6	27			0.38	2.68	4201	TELANGANA	4203	TS_NPDCL	

BUS 422107	ASUPAKA	220.00	CKT	MW	MVAR	MVA	% 0.9923PU	-25.82	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422107
							218.31KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 412200	LWERSLR_SPLT	220.00	M1	29.5	-15.2	33.2	14			0.15	0.78	4101	ANDRAPRADESH	4119	AP-RAJMUNDRY	
TO 422108	ASHWARAOPET	220.00	M1	35.1	10.0	36.5	16			0.03	0.23	4201	TELANGANA	4203	TS_NPDCL	
TO 422108	ASHWARAOPET	220.00	M2	35.1	10.0	36.5	16			0.03	0.23	4201	TELANGANA	4203	TS_NPDCL	
TO 422130	VK RAMAVARAM	220.00	M1	13.2	-17.2	21.7	9			0.03	0.15	4201	TELANGANA	4205	TS_LIS	
TO 424020	ASUPAKA	400.00	1	-56.5	6.2	56.8	18	1.0000UN		0.06	1.30	4201	TELANGANA	4203	TS_NPDCL	
TO 424020	ASUPAKA	400.00	2	-56.5	6.2	56.8	18	1.0000UN		0.06	1.30	4201	TELANGANA	4203	TS_NPDCL	
BUS 422108	ASHWARAOPET	220.00	CKT	MW	MVAR	MVA	% 0.9896PU	-26.14	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422108
							217.71KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421377	ASWRPT_132	132.00	1	35.1	12.5	37.2	37	1.0000LK		0.35	1.78	4201	TELANGANA	4203	TS_NPDCL	
TO 421377	ASWRPT_132	132.00	2	35.1	12.5	37.2	37	1.0000LK		0.35	1.78	4201	TELANGANA	4203	TS_NPDCL	
TO 422107	ASUPAKA	220.00	M1	-35.1	-12.5	37.2	16			0.03	0.23	4201	TELANGANA	4203	TS_NPDCL	
TO 422107	ASUPAKA	220.00	M2	-35.1	-12.5	37.2	16			0.03	0.23	4201	TELANGANA	4203	TS_NPDCL	
BUS 422109	UDAYASAMUDRA	220.00	CKT	MW	MVAR	MVA	% 0.9773PU	-29.94	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422109
							215.01KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				12.8	0.0	12.8										
TO 422026	NKP 220KVSS	220.00	Z1	-12.8	0.0	12.8	6			0.00	0.01	4201	TELANGANA	4201	TS_SPDCL	
BUS 422110	MADGULA	220.00	CKT	MW	MVAR	MVA	% 0.9835PU	-31.16	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422110
							216.37KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421171	MADUGULA	132.00	1	39.4	9.5	40.5	41	1.0000LK		0.42	2.14	4201	TELANGANA	4201	TS_SPDCL	
TO 421171	MADUGULA	132.00	2	39.4	9.5	40.5	41	1.0000LK		0.42	2.14	4201	TELANGANA	4201	TS_SPDCL	
TO 421171	MADUGULA	132.00	3	39.4	9.5	40.5	41	1.0000LK		0.42	2.14	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	Z1	-59.1	-14.3	60.8	29			0.19	1.05	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	Z2	-59.1	-14.3	60.8	29			0.19	1.05	4201	TELANGANA	4201	TS_SPDCL	
BUS 422111	NIRMAL_NEW	220.00	CKT	MW	MVAR	MVA	% 0.9950PU	-30.79	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422111
							218.91KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422025	NIRMAL	220.00	M1	105.0	31.3	109.5	47			0.07	0.45	4201	TELANGANA	4203	TS_NPDCL	
TO 422025	NIRMAL	220.00	M2	105.0	31.3	109.5	47			0.07	0.45	4201	TELANGANA	4203	TS_NPDCL	
TO 422132	RENJAL	220.00	M1	52.8	11.2	54.0	23			0.26	1.70	4201	TELANGANA	4203	TS_NPDCL	
TO 422133	MUPPKAL	220.00	M1	67.7	16.3	69.6	30			0.11	0.74	4201	TELANGANA	4205	TS_LIS	
TO 422143	INDRAVELLI	220.00	M1	42.3	-5.2	42.6	18			0.28	1.48	4201	TELANGANA	4203	TS_NPDCL	
TO 422143	INDRAVELLI	220.00	M2	42.3	-5.2	42.6	18			0.28	1.48	4201	TELANGANA	4203	TS_NPDCL	
TO 424027	NIRMAL	400.00	1	-138.3	-26.5	140.8	45	1.0000UN		0.40	7.95	4201	TELANGANA	4203	TS_NPDCL	
TO 424027	NIRMAL	400.00	2	-138.3	-26.5	140.8	45	1.0000UN		0.40	7.95	4201	TELANGANA	4203	TS_NPDCL	
TO 424027	NIRMAL	400.00	3	-138.3	-26.5	140.8	45	1.0000UN		0.40	7.95	4201	TELANGANA	4203	TS_NPDCL	

BUS 422112	KALLUR	220.00	CKT	MW	MVAR	MVA	% 1.0001PU	-26.37	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422112
							220.02KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421379	KALLUR132	132.00	1	30.1	-0.2	30.1	30 1.0000LK			0.23	1.14	4201	TELANGANA	4203	TS_NPDCL	
TO 421379	KALLUR132	132.00	2	30.1	-0.2	30.1	30 1.0000LK			0.23	1.14	4201	TELANGANA	4203	TS_NPDCL	
TO 422104	JULURPADU2	220.00	M1	-30.1	0.2	30.1	13			0.05	0.31	4201	TELANGANA	4201	TS_SPDCL	
TO 422104	JULURPADU2	220.00	M2	-30.1	0.2	30.1	13			0.05	0.31	4201	TELANGANA	4201	TS_SPDCL	
BUS 422113	MEDIGADDA	220.00	CKT	MW	MVAR	MVA	% 0.9997PU	-30.10	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422113
							219.93KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422115	SUNDILLA	220.00	T1	-53.6	-5.1	53.8	12			0.09	1.25	4201	TELANGANA	4203	TS_NPDCL	
TO 422141	MEDIGADDA_LI	220.00	2	272.0	-0.0	272.0				0.00	0.00	4201	TELANGANA	4205	TS_LIS	
TO 422157	ANNARAM 4	220.00	T1	-89.4	4.7	89.5	19			0.22	2.24	4201	TELANGANA	4205	TS_LIS	
TO 422157	ANNARAM 4	220.00	T2	-89.4	4.7	89.5	19			0.22	2.24	4201	TELANGANA	4205	TS_LIS	
TO 422163	POKKUR	220.00	T1	-39.6	-4.2	39.8	9			0.03	0.30	4201	TELANGANA	4205	TS_LIS	
BUS 422114	ANNARAM	220.00	CKT	MW	MVAR	MVA	% 0.9998PU	-28.68	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422114
							219.96KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422115	SUNDILLA	220.00	T1	7.9	-8.6	11.7	2			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL	
TO 422115	SUNDILLA	220.00	T2	7.9	-8.6	11.7	2			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL	
TO 422140	ANNARAM-LIS	220.00	2	192.0	0.0	192.0				0.00	0.00	4201	TELANGANA	4205	TS_LIS	
TO 422157	ANNARAM 4	220.00	T1	-103.9	8.6	104.2	22			0.00	0.03	4201	TELANGANA	4205	TS_LIS	
TO 422157	ANNARAM 4	220.00	T2	-103.9	8.6	104.2	22			0.00	0.03	4201	TELANGANA	4205	TS_LIS	
BUS 422115	SUNDILLA	220.00	CKT	MW	MVAR	MVA	% 1.0007PU	-28.76	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422115
							220.15KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422113	MEDIGADDA	220.00	T1	53.7	-8.4	54.3	12			0.09	1.25	4201	TELANGANA	4203	TS_NPDCL	
TO 422114	ANNARAM	220.00	T1	-7.9	2.9	8.4	2			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL	
TO 422114	ANNARAM	220.00	T2	-7.9	2.9	8.4	2			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL	
TO 422142	SUNDILLA_LIS	220.00	2	224.0	0.0	224.0				0.00	0.00	4201	TELANGANA	4205	TS_LIS	
TO 422163	POKKUR	220.00	T1	48.0	-9.9	49.0	10			0.08	0.75	4201	TELANGANA	4205	TS_LIS	
TO 424026	SUNDILLA	400.00	1	-77.5	3.1	77.5	25 1.0000UN			0.12	2.38	4201	TELANGANA	4201	TS_SPDCL	
TO 424026	SUNDILLA	400.00	2	-77.5	3.1	77.5	25 1.0000UN			0.12	2.38	4201	TELANGANA	4201	TS_SPDCL	
TO 424026	SUNDILLA	400.00	3	-77.5	3.1	77.5	25 1.0000UN			0.12	2.38	4201	TELANGANA	4201	TS_SPDCL	
TO 424026	SUNDILLA	400.00	4	-77.5	3.1	77.5	25 1.0000UN			0.12	2.38	4201	TELANGANA	4201	TS_SPDCL	
BUS 422116	KETHIREDDYPA	220.00	CKT	MW	MVAR	MVA	% 0.9770PU	-32.98	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422116
							214.93KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421385	KETHIREDDYPAL	132.00	1	31.7	7.0	32.4	32 1.0000LK			0.28	1.39	4201	TELANGANA	4201	TS_SPDCL	
TO 421385	KETHIREDDYPAL	132.00	2	31.7	7.0	32.4	32 1.0000LK			0.28	1.39	4201	TELANGANA	4201	TS_SPDCL	
TO 422014	YEDUMRAM	220.00	Z1	24.2	-2.3	24.3	12			0.02	0.15	4201	TELANGANA	4201	TS_SPDCL	
TO 422048	SHADNAGAR	220.00	M1	82.2	22.1	85.1	36			0.31	2.00	4201	TELANGANA	4201	TS_SPDCL	
TO 422054	SHANKARPALLY	220.00	M1	-0.6	-6.6	6.6	3			0.00	0.01	4201	TELANGANA	4201	TS_SPDCL	
TO 422134	CHEGUR	220.00	M1	66.0	23.2	70.0	30			0.15	0.98	4201	TELANGANA	4201	TS_SPDCL	
TO 424029	KETIREDDYPAL	400.00	1	-117.6	-25.2	120.2	38 1.0000UN			0.30	6.01	4201	TELANGANA	4201	TS_SPDCL	

TO 424029	KETIREDDYPAL	400.00	2	-117.6	-25.2	120.2	38	1.0000	UN	0.30	6.01	4201	TELANGANA	4201	TS_SPDCL				
BUS 422117	HUZURNAGAR	220.00	CKT	MW	MVAR	MVA	% 0.9888	PU	-27.05	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422117
								217.53KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421387	HUZURNAGAR	132.00	1	59.6	15.3	61.6	62	1.0000	LK	0.97	4.89	4201	TELANGANA	4201	TS_SPDCL				
TO 421387	HUZURNAGAR	132.00	2	59.6	15.3	61.6	62	1.0000	LK	0.97	4.89	4201	TELANGANA	4201	TS_SPDCL				
TO 422026	NKP 220KVSS	220.00	M1	63.9	0.1	63.9	27			0.49	3.20	4201	TELANGANA	4201	TS_SPDCL				
TO 422087	SITAPURAM	220.00	M1	13.1	-33.8	36.3	15			0.04	0.29	4201	TELANGANA	4201	TS_SPDCL				
TO 422146	DAMARACHERLA	220.00	M1	-98.1	1.5	98.1	42			0.51	3.59	4201	TELANGANA	4201	TS_SPDCL				
TO 422146	DAMARACHERLA	220.00	M2	-98.1	1.5	98.1	42			0.51	3.59	4201	TELANGANA	4201	TS_SPDCL				
BUS 422118	NAGARKURNOOL	220.00	CKT	MW	MVAR	MVA	% 0.9870	PU	-27.59	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422118
								217.13KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421107	NAGRK00L	132.00	1	34.6	5.9	35.1	35	1.0000	LK	0.32	1.59	4201	TELANGANA	4201	TS_SPDCL				
TO 421107	NAGRK00L	132.00	2	55.3	9.4	56.1	35	1.0000	LK	0.50	2.54	4201	TELANGANA	4201	TS_SPDCL				
TO 422033	DINDI SS	220.00	M1	-44.9	-7.6	45.6	19			0.10	0.68	4201	TELANGANA	4201	TS_SPDCL				
TO 422033	DINDI SS	220.00	M2	-44.9	-7.6	45.6	19			0.10	0.68	4201	TELANGANA	4201	TS_SPDCL				
BUS 422119	PEDDAGOPATHI	220.00	CKT	MW	MVAR	MVA	% 0.9967	PU	-26.73	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422119
								219.28KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL			
TO 421390	PEDDAGOPATHI	132.00	1	47.5	6.3	47.9	48	1.0000	LK	0.58	2.91	4201	TELANGANA	4203	TS_NPDCL				
TO 421390	PEDDAGOPATHI	132.00	2	47.5	6.3	47.9	48	1.0000	LK	0.58	2.91	4201	TELANGANA	4203	TS_NPDCL				
TO 422104	JULURPADU2	220.00	M1	-47.5	-6.3	47.9	20			0.13	0.81	4201	TELANGANA	4201	TS_SPDCL				
TO 422104	JULURPADU2	220.00	M2	-47.5	-6.3	47.9	20			0.13	0.81	4201	TELANGANA	4201	TS_SPDCL				
BUS 422120	DOMALAPENTA	220.00	CKT	MW	MVAR	MVA	% 0.9908	PU	-26.75	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422120
								217.98KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO LOAD-PQ				1.3	0.4	1.4													
TO 412020	SRISAILAM RB	220.00	Z1	-1.3	5.6	5.7	3			0.00	0.00	4101	ANDRAPRADESH	4117	AP-KURNOOL				
TO 422033	DINDI SS	220.00	Z1	-0.0	-6.0	6.0	3			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL				
BUS 422121	MINAJIPET	220.00	CKT	MW	MVAR	MVA	% 0.9837	PU	-32.13	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422121
								216.40KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL			
TO 421404	MINAJIPET LV	132.00	1	8.6	11.1	14.1	14	1.0000	LK	0.05	0.26	4201	TELANGANA	4201	TS_SPDCL				
TO 421404	MINAJIPET LV	132.00	2	8.6	11.1	14.1	14	1.0000	LK	0.05	0.26	4201	TELANGANA	4201	TS_SPDCL				
TO 422093	NARSARPUR	220.00	M1	-8.6	-11.1	14.1	6			0.00	0.03	4201	TELANGANA	4201	TS_SPDCL				
TO 422093	NARSARPUR	220.00	M2	-8.6	-11.1	14.1	6			0.00	0.03	4201	TELANGANA	4201	TS_SPDCL				
BUS 422122	RFCL	220.00	CKT	MW	MVAR	MVA	% 0.9903	PU	-28.67	X---	LOSSES	---X	X----	AREA	-----X	X----	ZONE	-----X	422122
								217.87KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL			
TO LOAD-PQ				3.0	0.6	3.1													
TO 422009	RSS 220KV SS	220.00	Z1	-7.1	3.8	8.0	4			0.00	0.01	4201	TELANGANA	4203	TS_NPDCL				
TO 422040	NAGARAM	220.00	Z1	4.1	-4.4	6.0	3			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL				

BUS 422123	JANGOAN	220.00	CKT	MW	MVAR	MVA	% 0.9884PU	-29.32	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422123
							217.46KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422011	SHAPURNR	220.00	Z1	101.8	7.4	102.0	49			1.75	9.57	4201	TELANGANA	4201	TS_SPDCL	
TO 422027	BHONGIR	220.00	Z1	115.3	12.5	116.0	56			1.03	5.97	4201	TELANGANA	4201	TS_SPDCL	
TO 422027	BHONGIR	220.00	Z2	115.3	12.5	116.0	56			1.03	5.97	4201	TELANGANA	4201	TS_SPDCL	
TO 422028	WKP 220KV	SS220.00	Z1	-5.6	-1.7	5.9	3			0.01	0.03	4201	TELANGANA	4203	TS_NPDCL	
TO 422028	WKP 220KV	SS220.00	Z2	-5.6	-1.7	5.9	3			0.01	0.03	4201	TELANGANA	4203	TS_NPDCL	
TO 422028	WKP 220KV	SS220.00	Z3	-7.5	1.1	7.6	4			0.01	0.04	4201	TELANGANA	4203	TS_NPDCL	
TO 422124	JANGOAN_NEW	220.00	M1	95.6	21.5	97.9	42			0.05	0.29	4201	TELANGANA	4203	TS_NPDCL	
TO 422124	JANGOAN_NEW	220.00	M2	95.6	21.5	97.9	42			0.05	0.29	4201	TELANGANA	4203	TS_NPDCL	
TO 422148	HUSNABAD	220.00	M1	53.0	8.3	53.6	23			0.21	1.47	4201	TELANGANA	4203	TS_NPDCL	
TO 422148	HUSNABAD	220.00	M2	53.0	8.3	53.6	23			0.21	1.47	4201	TELANGANA	4203	TS_NPDCL	
TO 422158	DEVANNAPET	220.00	T1	19.2	-10.6	22.0	5			0.01	0.13	4201	TELANGANA	4205	TS_LIS	
TO 422158	DEVANNAPET	220.00	T2	19.2	-10.6	22.0	5			0.01	0.13	4201	TELANGANA	4205	TS_LIS	
TO 424034	JANGOAN	400.00	1	-216.4	-22.7	217.6	44	1.0000UN		0.61	12.11	4201	TELANGANA	4203	TS_NPDCL	
TO 424034	JANGOAN	400.00	2	-216.4	-22.7	217.6	44	1.0000UN		0.61	12.11	4201	TELANGANA	4203	TS_NPDCL	
TO 424034	JANGOAN	400.00	3	-216.4	-22.7	217.6	44	1.0000UN		0.61	12.11	4201	TELANGANA	4203	TS_NPDCL	
BUS 422124	JANGOAN_NEW	220.00	CKT	MW	MVAR	MVA	% 0.9873PU	-29.48	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422124
							217.21KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421183	JANGAON	132.00	1	53.1	12.0	54.4	54	1.0000LK		0.76	3.83	4201	TELANGANA	4203	TS_NPDCL	
TO 421183	JANGAON	132.00	2	53.1	12.0	54.4	54	1.0000LK		0.76	3.83	4201	TELANGANA	4203	TS_NPDCL	
TO 421183	JANGAON	132.00	3	84.9	19.3	87.0	54	1.0000LK		1.21	6.12	4201	TELANGANA	4203	TS_NPDCL	
TO 422123	JANGOAN	220.00	M1	-95.5	-21.7	97.9	42			0.05	0.29	4201	TELANGANA	4203	TS_NPDCL	
TO 422123	JANGOAN	220.00	M2	-95.5	-21.7	97.9	42			0.05	0.29	4201	TELANGANA	4203	TS_NPDCL	
BUS 422125	RAMPUR_LIS	220.00	CKT	MW	MVAR	MVA	% 0.9830PU	-30.48	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422125
							216.26KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				20.8	6.9	21.9										
TO 422009	RSS 220KV	SS220.00	Z1	-57.4	-4.6	57.6	28			0.36	1.90	4201	TELANGANA	4203	TS_NPDCL	
TO 422032	BHEEMGAL	220.00	Z1	40.7	-9.7	41.8	20			0.15	0.81	4201	TELANGANA	4203	TS_NPDCL	
TO 422126	RAJESWARAPET	220.00	M1	20.8	2.3	20.9	9			0.02	0.13	4201	TELANGANA	4205	TS_LIS	
TO 422128	RAMADUGU_220	220.00	M1	-12.4	2.6	12.7	5			0.01	0.05	4201	TELANGANA	4203	TS_NPDCL	
TO 422128	RAMADUGU_220	220.00	M2	-12.4	2.6	12.7	5			0.01	0.05	4201	TELANGANA	4203	TS_NPDCL	
BUS 422126	RAJESWARAPET	220.00	CKT	MW	MVAR	MVA	% 0.9807PU	-30.82	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422126
							215.76KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				20.8	6.9	21.9										
TO 422125	RAMPUR_LIS	220.00	M1	-20.8	-6.9	21.9	9			0.02	0.13	4201	TELANGANA	4205	TS_LIS	
BUS 422127	BANSWADA	220.00	CKT	MW	MVAR	MVA	% 0.9852PU	-31.97	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422127
							216.75KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421166	BANSWADA	132.00	1	60.8	15.5	62.7	63	1.0000LK		1.01	5.10	4201	TELANGANA	4203	TS_NPDCL	
TO 421166	BANSWADA	132.00	2	60.8	15.5	62.7	63	1.0000LK		1.01	5.10	4201	TELANGANA	4203	TS_NPDCL	

TO 422016	DCPL 220	BUS220.00	M1	-60.8	-15.5	62.7	27		0.41	2.65	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220	BUS220.00	M2	-60.8	-15.5	62.7	27		0.41	2.65	4201	TELANGANA	4203	TS_NPDCL	
BUS 422128	RAMADUGU_220	220.00	CKT	MW	MVAR	MVA	% 0.9823PU	-30.28	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422128
							216.10KV								
TO 422021	DURSHED	220.00	M2	70.1	29.7	76.2	33		0.21	1.34	4201	TELANGANA	4203	TS_NPDCL	
TO 422089	SIRICILLA	220.00	M1	93.5	28.6	97.8	42		0.67	4.32	4201	TELANGANA	4203	TS_NPDCL	
TO 422089	SIRICILLA	220.00	M2	93.5	28.6	97.8	42		0.67	4.32	4201	TELANGANA	4203	TS_NPDCL	
TO 422125	RAMPUR_LIS	220.00	M1	12.4	-6.9	14.2	6		0.01	0.05	4201	TELANGANA	4205	TS_LIS	
TO 422125	RAMPUR_LIS	220.00	M2	12.4	-6.9	14.2	6		0.01	0.05	4201	TELANGANA	4205	TS_LIS	
TO 422139	DURSHED-2	220.00	M1	98.1	0.4	98.1	42		0.34	2.18	4201	TELANGANA	4203	TS_NPDCL	
TO 424025	RAMADUGU	400.00	1	-190.1	-36.8	193.6	39	1.0000UN	0.49	9.71	4201	TELANGANA	4201	TS_SPDCL	
TO 424025	RAMADUGU	400.00	2	-190.1	-36.8	193.6	39	1.0000UN	0.49	9.71	4201	TELANGANA	4201	TS_SPDCL	
BUS 422129	KAMALAPUR	220.00	CKT	MW	MVAR	MVA	% 0.9968PU	-25.91	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422129
							219.30KV								
TO LOAD-PQ				104.0	0.0	104.0									
TO 422130	VK RAMAVARAM	220.00	T1	50.7	-8.2	51.3	11		0.02	0.23	4201	TELANGANA	4205	TS_LIS	
TO 422130	VK RAMAVARAM	220.00	T2	50.7	-8.2	51.3	11		0.02	0.23	4201	TELANGANA	4205	TS_LIS	
TO 424035	KAMALAPUR	400.00	1	-102.7	8.2	103.0	33	1.0000UN	0.21	2.67	4201	TELANGANA	4205	TS_LIS	
TO 424035	KAMALAPUR	400.00	2	-102.7	8.2	103.0	33	1.0000UN	0.21	2.67	4201	TELANGANA	4205	TS_LIS	
BUS 422130	VK RAMAVARAM	220.00	CKT	MW	MVAR	MVA	% 0.9970PU	-26.17	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422130
							219.34KV								
TO LOAD-PQ				96.0	0.0	96.0									
TO 422005	KTPS-ABC	220.00	M1	18.4	-23.6	29.9	13		0.02	0.13	4201	TELANGANA	4203	TS_NPDCL	
TO 422107	ASUPAKA	220.00	M1	-13.2	11.8	17.6	8		0.03	0.15	4201	TELANGANA	4203	TS_NPDCL	
TO 422129	KAMALAPUR	220.00	T1	-50.6	5.9	51.0	11		0.02	0.23	4201	TELANGANA	4205	TS_LIS	
TO 422129	KAMALAPUR	220.00	T2	-50.6	5.9	51.0	11		0.02	0.23	4201	TELANGANA	4205	TS_LIS	
BUS 422131	CHANCHALGUDA	220.00	CKT	MW	MVAR	MVA	% 0.9798PU	-33.03	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422131
							215.55KV								
TO LOAD-PQ				39.4	4.2	39.7									
TO 422002	CHNDRYNGUTTA	220.00	C1	-111.9	-12.1	112.6	38		0.04	0.33	4201	TELANGANA	4201	TS_SPDCL	
TO 422091	IMLIBUN GIS	220.00	C1	72.5	7.9	72.9	25		0.01	0.07	4201	TELANGANA	4201	TS_SPDCL	
BUS 422132	RENJAL	220.00	CKT	MW	MVAR	MVA	% 0.9821PU	-32.42	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422132
							216.05KV								
TO 421078	RENZAL	132.00	1	38.1	13.8	40.6	41	1.0000LK	0.43	2.15	4201	TELANGANA	4203	TS_NPDCL	
TO 421078	RENZAL	132.00	2	61.0	22.0	64.8	41	1.0000LK	0.68	3.44	4201	TELANGANA	4203	TS_NPDCL	
TO 422111	NIRMAL_NEW	220.00	M1	-52.5	-18.8	55.8	24		0.26	1.70	4201	TELANGANA	4203	TS_NPDCL	
TO 422133	MUPPKAL	220.00	M1	-46.6	-17.0	49.6	21		0.15	0.99	4201	TELANGANA	4205	TS_LIS	

BUS 422133	MUPPKAL	220.00	CKT	MW	MVAR	MVA	% 0.9909PU	-31.35	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422133
							217.99KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				20.8	6.9	21.9										
TO 422111	NIRMAL_NEW	220.00	M1	-67.5	-18.1	69.9	30			0.11	0.74	4201	TELANGANA	4203	TS_NPDCL	
TO 422132	RENJAL	220.00	M1	46.7	11.2	48.1	21			0.15	0.99	4201	TELANGANA	4203	TS_NPDCL	
BUS 422134	CHEGUR	220.00	CKT	MW	MVAR	MVA	% 0.9703PU	-33.69	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422134
							213.46KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421405	CHEGUR	132.00	1	61.5	14.9	63.2	40 1.0000LK			0.66	3.35	4201	TELANGANA	4201	TS_SPDCL	
TO 421405	CHEGUR	132.00	2	61.5	14.9	63.2	40 1.0000LK			0.66	3.35	4201	TELANGANA	4201	TS_SPDCL	
TO 421405	CHEGUR	132.00	3	38.4	9.3	39.5	40 1.0000LK			0.42	2.09	4201	TELANGANA	4201	TS_SPDCL	
TO 422031	MMP 220 BUS	220.00	M1	-112.1	-19.6	113.8	49			0.55	3.54	4201	TELANGANA	4201	TS_SPDCL	
TO 422047	SHAMSHABAD	220.00	M1	-83.8	-9.9	84.4	36			0.20	1.34	4201	TELANGANA	4201	TS_SPDCL	
TO 422048	SHADNAGAR	220.00	M1	100.5	15.8	101.7	43			0.15	0.97	4201	TELANGANA	4201	TS_SPDCL	
TO 422116	KETHIREDDYPA	220.00	M1	-65.9	-25.3	70.6	30			0.15	0.98	4201	TELANGANA	4201	TS_SPDCL	
BUS 422135	AKKARAM	220.00	CKT	MW	MVAR	MVA	% 0.9808PU	-32.24	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422135
							215.78KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				64.8	0.0	64.8										
TO 422041	GJWL 220 BUS	220.00	T1	-73.2	1.1	73.2	16			0.03	0.23	4201	TELANGANA	4201	TS_SPDCL	
TO 422041	GJWL 220 BUS	220.00	T2	-73.2	1.1	73.2	16			0.03	0.23	4201	TELANGANA	4201	TS_SPDCL	
TO 422136	MARKOOK	220.00	M1	40.8	-1.1	40.8	17			0.02	0.13	4201	TELANGANA	4205	TS_LIS	
TO 422136	MARKOOK	220.00	M2	40.8	-1.1	40.8	17			0.02	0.13	4201	TELANGANA	4205	TS_LIS	
BUS 422136	MARKOOK	220.00	CKT	MW	MVAR	MVA	% 0.9804PU	-32.42	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422136
							215.68KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				81.6	0.0	81.6										
TO 422135	AKKARAM	220.00	M1	-40.8	0.0	40.8	17			0.02	0.13	4201	TELANGANA	4205	TS_LIS	
TO 422135	AKKARAM	220.00	M2	-40.8	0.0	40.8	17			0.02	0.13	4201	TELANGANA	4205	TS_LIS	
BUS 422137	BGKOTHUR	220.00	CKT	MW	MVAR	MVA	% 0.9998PU	-26.21	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422137
							219.95KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				60.0	0.0	60.0										
TO 412200	LWERSLR_SPLT	220.00	Z1	19.5	-6.6	20.6	10			0.07	0.37	4101	ANDRAPRADESH	4119	AP-RAJMUNDRY	
TO 422005	KTPS-ABC	220.00	Z1	9.9	-4.3	10.8	5			0.00	0.03	4201	TELANGANA	4203	TS_NPDCL	
TO 422007	MANUGURU	220.00	Z1	-98.2	15.5	99.4	48			0.29	1.53	4201	TELANGANA	4203	TS_NPDCL	
TO 422085	KTPS-V	220.00	Z1	8.8	-4.6	10.0	5			0.00	0.02	4201	TELANGANA	4203	TS_NPDCL	
BUS 422138	BTPS	220.00	CKT	MW	MVAR	MVA	% 1.0011PU	-24.40	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422138
							220.25KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422007	MANUGURU	220.00	M1	90.9	-9.3	91.4	39			0.22	1.44	4201	TELANGANA	4203	TS_NPDCL	
TO 422007	MANUGURU	220.00	M2	90.9	-9.3	91.4	39			0.22	1.44	4201	TELANGANA	4203	TS_NPDCL	
TO 424030	BTPS	400.00	1	-181.8	18.5	182.7	58 1.0000UN			0.66	13.22	4201	TELANGANA	4203	TS_NPDCL	

BUS 422139	DURSHED-2	220.00	CKT	MW	MVAR	MVA	% 0.9786PU	-31.55	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422139
							215.29KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422022	SIDDIPET	220.00	Z1	48.6	-3.1	48.7	23			0.26	1.36	4201	TELANGANA	4201	TS_SPDCL	
TO 422064	MALLARAM	220.00	Z1	44.2	-3.3	44.3	21			0.20	1.07	4201	TELANGANA	4206	TS_WW	
TO 422099	HUZURABAD	220.00	M1	4.9	8.3	9.7	4			0.01	0.07	4201	TELANGANA	4203	TS_NPDCL	
TO 422128	RAMADUGU_220	220.00	M1	-97.7	-1.9	97.7	42			0.34	2.18	4201	TELANGANA	4203	TS_NPDCL	
BUS 422140	ANNARAM-LIS	220.00	CKT	MW	MVAR	MVA	% 0.9998PU	-28.68	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422140
							219.96KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				192.0	0.0	192.0										
TO 422114	ANNARAM	220.00	2	-192.0	-0.0	192.0				0.00	0.00	4201	TELANGANA	4203	TS_NPDCL	
BUS 422141	MEDIGADDA_LI	220.00	CKT	MW	MVAR	MVA	% 0.9997PU	-30.10	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422141
							219.93KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				272.0	0.0	272.0										
TO 422113	MEDIGADDA	220.00	2	-272.0	0.0	272.0				0.00	0.00	4201	TELANGANA	4203	TS_NPDCL	
BUS 422142	SUNDILLA_LIS	220.00	CKT	MW	MVAR	MVA	% 1.0007PU	-28.76	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422142
							220.15KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				224.0	0.0	224.0										
TO 422115	SUNDILLA	220.00	2	-224.0	-0.0	224.0				0.00	0.00	4201	TELANGANA	4203	TS_NPDCL	
BUS 422143	INDRAVELLI	220.00	CKT	MW	MVAR	MVA	% 0.9876PU	-32.79	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422143
							217.27KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421420	INDRAVELLI	132.00	1	42.0	7.2	42.6	43 1.0000LK			0.47	2.34	4201	TELANGANA	4203	TS_NPDCL	
TO 421420	INDRAVELLI	132.00	2	42.0	7.2	42.6	43 1.0000LK			0.47	2.34	4201	TELANGANA	4203	TS_NPDCL	
TO 422111	NIRMAL_NEW	220.00	M1	-42.0	-7.2	42.6	18			0.28	1.48	4201	TELANGANA	4203	TS_NPDCL	
TO 422111	NIRMAL_NEW	220.00	M2	-42.0	-7.2	42.6	18			0.28	1.48	4201	TELANGANA	4203	TS_NPDCL	
BUS 422144	RAIDURG	220.00	CKT	MW	MVAR	MVA	% 0.9666PU	-34.34	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422144
							212.64KV			MW	MVAR	4201	TELANGANA	4204	TS_GHMC	
TO 421424	RAIDURG	132.00	1	95.5	21.6	97.9	61 1.0000LK			1.60	8.08	4201	TELANGANA	4204	TS_GHMC	
TO 421424	RAIDURG	132.00	2	95.5	21.6	97.9	61 1.0000LK			1.60	8.08	4201	TELANGANA	4204	TS_GHMC	
TO 422011	SHAPURNR	220.00	Z1	27.7	14.7	31.4	15			0.04	0.19	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	Z1	18.8	2.1	18.9	9			0.01	0.06	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	Z2	27.1	3.8	27.3	13			0.01	0.08	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	Z3	35.5	5.5	35.9	17			0.02	0.10	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	Z4	19.6	2.3	19.8	9			0.01	0.06	4201	TELANGANA	4201	TS_SPDCL	
TO 422039	SIVARAMPALLI	220.00	Z1	-68.3	-5.3	68.5	33			0.13	0.71	4201	TELANGANA	4201	TS_SPDCL	
TO 422072	ERRAGADDA	220.00	Z1	119.1	28.7	122.5	59			0.40	2.13	4201	TELANGANA	4201	TS_SPDCL	
TO 422073	MIYAPUR	220.00	Z1	68.7	20.5	71.7	34			0.15	0.81	4201	TELANGANA	4201	TS_SPDCL	
TO 424042	RAIDURG_GIS	400.00	1	-219.6	-57.8	227.0	45 1.0000UN			0.69	13.79	4201	TELANGANA	4204	TS_GHMC	
TO 424042	RAIDURG_GIS	400.00	2	-219.6	-57.8	227.0	45 1.0000UN			0.69	13.79	4201	TELANGANA	4204	TS_GHMC	

BUS 422145	CHOUTUPPAL	220.00	CKT	MW	MVAR	MVA	% 0.9857PU	-28.52	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422145
						216.86KV				MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421430	CHOUTUPPAL-4132.00	1		95.2	27.8	99.2	62 1.0000LK			1.58	7.98	4201	TELANGANA	4201	TS_SPDCL	
TO 421430	CHOUTUPPAL-4132.00	2		95.2	27.8	99.2	62 1.0000LK			1.58	7.98	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	M1	98.4	0.4	98.4	42			1.10	7.69	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	M2	98.4	0.4	98.4	42			1.10	7.69	4201	TELANGANA	4201	TS_SPDCL	
TO 422026	NKP 220KVSS	220.00	M1	53.0	7.5	53.6	23			0.19	1.35	4201	TELANGANA	4201	TS_SPDCL	
TO 422026	NKP 220KVSS	220.00	M2	53.0	7.5	53.6	23			0.19	1.35	4201	TELANGANA	4201	TS_SPDCL	
TO 424045	CHOUTUPPAL	400.00	1	-246.7	-35.7	249.2	50 1.0000UN			0.80	15.98	4201	TELANGANA	4201	TS_SPDCL	
TO 424045	CHOUTUPPAL	400.00	2	-246.7	-35.7	249.2	50 1.0000UN			0.80	15.98	4201	TELANGANA	4201	TS_SPDCL	
BUS 422146	DAMARACHERLA	220.00	CKT	MW	MVAR	MVA	% 0.9929PU	-24.95	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422146
						218.43KV				MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422006	MIRYALAGUDA	220.00	T1	192.5	6.2	192.6	41			0.54	5.43	4201	TELANGANA	4201	TS_SPDCL	
TO 422006	MIRYALAGUDA	220.00	T2	192.5	6.2	192.6	41			0.54	5.43	4201	TELANGANA	4201	TS_SPDCL	
TO 422117	HUZURNAGAR	220.00	M1	98.6	-4.3	98.7	42			0.51	3.59	4201	TELANGANA	4201	TS_SPDCL	
TO 422117	HUZURNAGAR	220.00	M2	98.6	-4.3	98.7	42			0.51	3.59	4201	TELANGANA	4201	TS_SPDCL	
TO 424046	DAMARACHERLA	400.00	1	-291.2	-1.9	291.2	58 1.0000UN			1.08	21.50	4201	TELANGANA	4201	TS_SPDCL	
TO 424046	DAMARACHERLA	400.00	2	-291.2	-1.9	291.2	58 1.0000UN			1.08	21.50	4201	TELANGANA	4201	TS_SPDCL	
BUS 422147	KTPP	220.00	CKT	MW	MVAR	MVA	% 0.9929PU	-27.65	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422147
						218.43KV				MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421431	KTPP	132.00	1	58.2	12.5	59.5	37 1.0000LK			0.56	2.83	4201	TELANGANA	4203	TS_NPDCL	
TO 421431	KTPP	132.00	2	58.2	12.5	59.5	37 1.0000LK			0.56	2.83	4201	TELANGANA	4203	TS_NPDCL	
TO 422042	BHIMGANAPUR	220.00	M1	48.5	-3.7	48.7	21			0.06	0.77	4201	TELANGANA	4205	TS_LIS	
TO 422042	BHIMGANAPUR	220.00	M2	48.5	-3.7	48.7	21			0.06	0.77	4201	TELANGANA	4205	TS_LIS	
TO 422044	PULAKURTHY	220.00	M1	42.6	-2.2	42.7	18			0.12	0.80	4201	TELANGANA	4205	TS_LIS	
TO 422053	SALIVAGU	220.00	M1	49.8	0.1	49.8	21			0.05	0.74	4201	TELANGANA	4205	TS_LIS	
TO 422077	MANTHANI	220.00	M1	58.4	8.0	59.0	25			0.20	1.42	4201	TELANGANA	4203	TS_NPDCL	
TO 422077	MANTHANI	220.00	M2	58.4	8.0	59.0	25			0.20	1.42	4201	TELANGANA	4203	TS_NPDCL	
TO 424009	KAKATIYA TPS	400.00	1	-211.3	-15.7	211.9	42 1.0000UN			0.57	11.39	4201	TELANGANA	4203	TS_NPDCL	
TO 424009	KAKATIYA TPS	400.00	2	-211.3	-15.7	211.9	42 1.0000UN			0.57	11.39	4201	TELANGANA	4203	TS_NPDCL	
BUS 422148	HUSNABAD	220.00	CKT	MW	MVAR	MVA	% 0.9789PU	-30.79	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422148
						215.37KV				MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421433	HUSNABAD-2	132.00	1	52.8	15.1	54.9	55 1.0000LK			0.79	3.96	4201	TELANGANA	4203	TS_NPDCL	
TO 421433	HUSNABAD-2	132.00	2	52.8	15.1	54.9	55 1.0000LK			0.79	3.96	4201	TELANGANA	4203	TS_NPDCL	
TO 422123	JANGOAN	220.00	M1	-52.8	-15.1	54.9	23			0.21	1.47	4201	TELANGANA	4203	TS_NPDCL	
TO 422123	JANGOAN	220.00	M2	-52.8	-15.1	54.9	23			0.21	1.47	4201	TELANGANA	4203	TS_NPDCL	
BUS 422149	AMMAVARIPET	220.00	CKT	MW	MVAR	MVA	% 0.9657PU	-31.55	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422149
						212.44KV				MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 421432	AMMAVARIPET	132.00	1	56.7	20.6	60.4	60 1.0000LK			0.98	4.92	4201	TELANGANA	4203	TS_NPDCL	
TO 421432	AMMAVARIPET	132.00	2	56.7	20.6	60.4	60 1.0000LK			0.98	4.92	4201	TELANGANA	4203	TS_NPDCL	

TO 422013	WARANGAL	220.00	M1	-51.4	-21.2	55.7	24			0.27	1.91	4201	TELANGANA	4203	TS_NPDCL
TO 422106	MAHABUBAD	220.00	M1	-62.0	-19.9	65.1	28			0.38	2.68	4201	TELANGANA	4203	TS_NPDCL
BUS 422150	BORAMPET	220.00	CKT	MW	MVAR	MVA	% 0.9908PU	-32.44	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422150
							217.98KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421434	BORAMPET	132.00	1	9.4	3.2	10.0	6 1.0000LK			0.02	0.08	4201	TELANGANA	4201	TS_SPDCL
TO 421434	BORAMPET	132.00	2	9.4	3.2	10.0	6 1.0000LK			0.02	0.08	4201	TELANGANA	4201	TS_SPDCL
TO 422093	NARSARPUR	220.00	M	-9.4	-3.2	10.0	4			0.02	0.11	4201	TELANGANA	4201	TS_SPDCL
TO 422093	NARSARPUR	220.00	MC	-9.4	-3.2	10.0	4			0.02	0.11	4201	TELANGANA	4201	TS_SPDCL
BUS 422151	KATHALAPUR	220.00	CKT	MW	MVAR	MVA	% 0.9862PU	-30.77	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422151
							216.96KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL
TO 421361	KATHATLAPUR	132.00	1	42.9	10.7	44.3	44 1.0000LK			0.50	2.54	4201	TELANGANA	4203	TS_NPDCL
TO 421361	KATHATLAPUR	132.00	2	42.9	10.7	44.3	44 1.0000LK			0.50	2.54	4201	TELANGANA	4203	TS_NPDCL
TO 422015	DICHPALLY	220.00	Z1	-36.1	-21.4	42.0	20			0.14	0.81	4201	TELANGANA	4203	TS_NPDCL
TO 422056	MEDARAM	220.00	Z1	-49.8	-0.1	49.8	24			0.24	1.41	4201	TELANGANA	4205	TS_LIS
BUS 422152	I-STEELPLANT	220.00	CKT	MW	MVAR	MVA	% 0.9743PU	-27.80	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422152
							214.35KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL
TO LOAD-PQ				399.0	132.0	420.3									
TO 424047	I-STEELPLANT	400.00	1	-199.5	-66.0	210.1	42 1.0000UN			0.58	11.63	4201	TELANGANA	4203	TS_NPDCL
TO 424047	I-STEELPLANT	400.00	2	-199.5	-66.0	210.1	42 1.0000UN			0.58	11.63	4201	TELANGANA	4203	TS_NPDCL
BUS 422153	KOLLUR	220.00	CKT	MW	MVAR	MVA	% 0.9705PU	-33.89	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422153
							213.52KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO LOAD-PQ				10.1	3.3	10.7									
TO 422017	GACIBWLI	220.00	H1	147.1	41.7	152.9	29			0.31	1.78	4201	TELANGANA	4201	TS_SPDCL
TO 422054	SHANKARPALLY	220.00	H1	-157.3	-45.0	163.6	31			0.50	2.86	4201	TELANGANA	4201	TS_SPDCL
BUS 422154	SAINIKPURI	220.00	CKT	MW	MVAR	MVA	% 0.9696PU	-33.53	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422154
							213.31KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO LOAD-PQ				20.3	6.7	21.3									
TO 422058	GUNROCK	220.00	MC	-20.3	-6.7	21.3	9			0.01	0.03	4201	TELANGANA	4201	TS_SPDCL
BUS 422155	KACHA SINGAR	220.00	CKT	MW	MVAR	MVA	% 0.9930PU	-32.24	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 422155
							218.46KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO 421446	KACHA SINGAR	132.00	1	38.6	3.4	38.7	39 1.0000LK			0.38	1.92	4201	TELANGANA	4201	TS_SPDCL
TO 421446	KACHA SINGAR	132.00	2	38.6	3.4	38.7	39 1.0000LK			0.38	1.92	4201	TELANGANA	4201	TS_SPDCL
TO 422002	CHNDRYNGUTTA	220.00	Z1	46.8	36.6	59.5	29			0.19	1.01	4201	TELANGANA	4201	TS_SPDCL
TO 422003	GHANAPUR	220.00	M1	-50.1	-14.2	52.0	22			0.04	0.23	4201	TELANGANA	4201	TS_SPDCL
TO 422003	GHANAPUR	220.00	Z2	-89.6	-24.6	92.9	45			0.08	0.41	4201	TELANGANA	4201	TS_SPDCL
TO 422076	HAYATHNAGAR	220.00	M1	15.6	-4.6	16.3	7			0.01	0.04	4201	TELANGANA	4201	TS_SPDCL

BUS 422156	RC PURAM	220.00	CKT	MW	MVAR	MVA	% 0.9622PU	-34.92	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422156
							211.68KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 421050	R.CPURAM	132.00	1	108.0	30.1	112.1	70 1.0000LK			2.12	10.70	4201	TELANGANA	4201	TS_SPDCL	
TO 421050	R.CPURAM	132.00	2	108.0	30.1	112.1	70 1.0000LK			2.12	10.70	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	H1	-108.0	-30.1	112.1	21			0.16	0.90	4201	TELANGANA	4201	TS_SPDCL	
TO 422017	GACIBWLI	220.00	H2	-108.0	-30.1	112.1	21			0.16	0.90	4201	TELANGANA	4201	TS_SPDCL	
BUS 422157	ANNARAM 4	220.00	CKT	MW	MVAR	MVA	% 0.9998PU	-28.66	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422157
							219.97KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO 422113	MEDIGADDA	220.00	T1	89.6	-12.0	90.4	19			0.22	2.24	4201	TELANGANA	4203	TS_NPDCL	
TO 422113	MEDIGADDA	220.00	T2	89.6	-12.0	90.4	19			0.22	2.24	4201	TELANGANA	4203	TS_NPDCL	
TO 422114	ANNARAM	220.00	T1	103.9	-8.7	104.3	22			0.00	0.03	4201	TELANGANA	4203	TS_NPDCL	
TO 422114	ANNARAM	220.00	T2	103.9	-8.7	104.3	22			0.00	0.03	4201	TELANGANA	4203	TS_NPDCL	
TO 424055	ANNARAM	400.00	1	-129.0	13.8	129.8	26 1.0000UN			0.21	4.21	4201	TELANGANA	4205	TS_LIS	
TO 424055	ANNARAM	400.00	2	-129.0	13.8	129.8	26 1.0000UN			0.21	4.21	4201	TELANGANA	4205	TS_LIS	
TO 424055	ANNARAM	400.00	3	-129.0	13.8	129.8	26 1.0000UN			0.21	4.21	4201	TELANGANA	4205	TS_LIS	
BUS 422158	DEVANNAPET	220.00	CKT	MW	MVAR	MVA	% 0.9895PU	-29.69	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422158
							217.70KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				38.4	0.0	38.4										
TO 422123	JANGOAN	220.00	T1	-19.2	0.0	19.2	4			0.01	0.13	4201	TELANGANA	4203	TS_NPDCL	
TO 422123	JANGOAN	220.00	T2	-19.2	0.0	19.2	4			0.01	0.13	4201	TELANGANA	4203	TS_NPDCL	
BUS 422159	YACHARAM THA	220.00	CKT	MW	MVAR	MVA	% 0.9991PU	-29.86	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422159
							219.81KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				36.0	0.0	36.0										
TO 422016	DCPL 220 BUS	220.00	M1	-18.0	0.0	18.0	8			0.01	0.07	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220 BUS	220.00	M2	-18.0	0.0	18.0	8			0.01	0.07	4201	TELANGANA	4203	TS_NPDCL	
BUS 422160	MANCHIPPA	220.00	CKT	MW	MVAR	MVA	% 0.9987PU	-29.84	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422160
							219.72KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				30.4	2.1	30.5										
TO 422016	DCPL 220 BUS	220.00	M1	-20.3	-1.7	20.4	9			0.01	0.08	4201	TELANGANA	4203	TS_NPDCL	
TO 422164	MENTRAJPALLY	220.00	M2	-10.1	-0.4	10.1	4			0.00	0.02	4201	TELANGANA	4205	TS_LIS	
BUS 422161	CHELMEDA	220.00	CKT	MW	MVAR	MVA	% 0.9783PU	-33.77	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	422161
							215.22KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO 421481	CHELMEDA	132.00	1	28.2	8.7	29.5	18 1.0000LK			0.14	0.71	4201	TELANGANA	4205	TS_LIS	
TO 421481	CHELMEDA	132.00	2	28.2	8.7	29.5	18 1.0000LK			0.14	0.71	4201	TELANGANA	4205	TS_LIS	
TO 422063	SADASIVPET	220.00	M1	-4.0	-0.2	4.0	2			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL	
TO 422063	SADASIVPET	220.00	M2	-4.0	-0.2	4.0	2			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL	
TO 422162	BORANCHA	220.00	M1	-24.2	-8.5	25.6	11			0.03	0.21	4201	TELANGANA	4205	TS_LIS	
TO 422162	BORANCHA	220.00	M2	-24.2	-8.5	25.6	11			0.03	0.21	4201	TELANGANA	4205	TS_LIS	

BUS 422162	BORANCHA	220.00	CKT	MW	MVAR	MVA	% 0.9813PU	-33.32	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422162
							215.90KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO 421482	BORANCHA	132.00	1	14.1	3.5	14.5	14 1.0000LK			0.05	0.27	4201	TELANGANA	4205	TS_LIS	
TO 421482	BORANCHA	132.00	2	14.1	3.5	14.5	14 1.0000LK			0.05	0.27	4201	TELANGANA	4205	TS_LIS	
TO 422093	NARSARPUR	220.00	M1	-38.3	-6.7	38.9	17			0.12	0.86	4201	TELANGANA	4201	TS_SPDCL	
TO 422093	NARSARPUR	220.00	M2	-38.3	-6.7	38.9	17			0.12	0.86	4201	TELANGANA	4201	TS_SPDCL	
TO 422161	CHELMEDA	220.00	M1	24.2	3.2	24.4	10			0.03	0.21	4201	TELANGANA	4205	TS_LIS	
TO 422161	CHELMEDA	220.00	M2	24.2	3.2	24.4	10			0.03	0.21	4201	TELANGANA	4205	TS_LIS	
BUS 422163	POKKUR	220.00	CKT	MW	MVAR	MVA	% 1.0006PU	-29.66	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422163
							220.14KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				8.3	2.7	8.8										
TO 422113	MEDIGADDA	220.00	T1	39.6	-2.2	39.7	8			0.03	0.30	4201	TELANGANA	4203	TS_NPDCL	
TO 422115	SUNDILLA	220.00	T1	-47.9	-0.6	47.9	10			0.08	0.75	4201	TELANGANA	4203	TS_NPDCL	
BUS 422164	MENTRAJPALLY	220.00	CKT	MW	MVAR	MVA	% 0.9989PU	-29.75	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	422164
							219.75KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				10.0	3.3	10.5										
TO 422016	DCPL 220 BUS	220.00	M1	-20.1	-1.0	20.1	9			0.01	0.04	4201	TELANGANA	4203	TS_NPDCL	
TO 422160	MANCHIPPA	220.00	M2	10.1	-2.3	10.4	4			0.00	0.02	4201	TELANGANA	4205	TS_LIS	
BUS 424001	VELTOOR	400.00	CKT	MW	MVAR	MVA	% 1.0039PU	-24.08	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	424001
							401.57KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SHUNT				0.0	114.3	114.3										
TO 414007	TALLAPALLI	400.00	T1	-30.8	-69.4	75.9	9			0.04	0.48	4801	SR_ISTS_AP	4101	ANDRAPRADESH	
TO 414038	URAVAKONDA4	400.00	Q1	-353.0	-82.8	362.6	21			1.42	24.52	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 414038	URAVAKONDA4	400.00	Q2	-353.0	-82.8	362.6	21			1.42	24.52	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 422049	VLT 220 BUS	220.00	1	110.3	15.8	111.4	22 1.0000LK			0.15	3.08	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	2	110.3	15.8	111.4	22 1.0000LK			0.15	3.08	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	3	69.5	9.9	70.2	22 1.0000LK			0.10	1.94	4201	TELANGANA	4201	TS_SPDCL	
TO 422049	VLT 220 BUS	220.00	4	69.5	9.9	70.2	22 1.0000LK			0.10	1.94	4201	TELANGANA	4201	TS_SPDCL	
TO 424021	MHSWRM-PG	400.00	T1	53.6	-92.5	106.9	13			0.12	1.28	4201	TELANGANA	4201	TS_SPDCL	
TO 424021	MHSWRM-PG	400.00	T2	53.6	-92.5	106.9	13			0.12	1.28	4201	TELANGANA	4201	TS_SPDCL	
TO 424057	YEDULA	400.00	Q1	566.7	58.6	569.8	33			1.39	24.02	4201	TELANGANA	4205	TS_LIS	
TO 424057	YEDULA	400.00	Q2	566.7	58.6	569.8	33			1.39	24.02	4201	TELANGANA	4205	TS_LIS	
TO 434006	RAICHUR TPS	400.00	H1	-863.3	137.0	874.1	51			10.48	116.83	4301	KARNATAKA	4314	GESCOM	
BUS 424003	GHANAPUR	400.00	CKT	MW	MVAR	MVA	% 1.0025PU	-27.80	X---	LOSSES	---	X----	AREA -----X	X----	ZONE -----X	424003
							401.00KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SHUNT				0.0	57.4	57.4										
TO 414007	TALLAPALLI	400.00	T1	-238.7	-41.8	242.4	28			1.64	18.26	4801	SR_ISTS_AP	4101	ANDRAPRADESH	
TO 422003	GHANAPUR	220.00	1	185.4	16.6	186.2	59 1.0000LK			0.68	13.68	4201	TELANGANA	4201	TS_SPDCL	
TO 422003	GHANAPUR	220.00	2	185.4	16.6	186.2	59 1.0000LK			0.68	13.68	4201	TELANGANA	4201	TS_SPDCL	
TO 422003	GHANAPUR	220.00	3	185.4	16.6	186.2	59 1.0000LK			0.68	13.68	4201	TELANGANA	4201	TS_SPDCL	

TO 422003	GHANAPUR	220.00	4	294.3	26.3	295.5	59	1.0000LK		1.09	21.72	4201	TELANGANA	4201	TS_SPDCL
TO 423001	GHANAPUR	37.000	1	0.0	-200.5	200.5	43	1.0000LK		0.00	17.06	4201	TELANGANA	4201	TS_SPDCL
TO 424002	RSTPS NTPC	400.00	T3	-175.8	-27.8	178.0	21			1.18	13.18	4202	RGM-TPS	4202	RGM-TPS
TO 424002	RSTPS NTPC	400.00	T4	-175.8	-27.8	178.0	21			1.18	13.18	4202	RGM-TPS	4202	RGM-TPS
TO 424006	MAMIDIPALLI	400.00	T1	-62.9	70.4	94.4	11			0.10	1.04	4201	TELANGANA	4201	TS_SPDCL
TO 424008	GAJWEL	400.00	T1	81.6	71.2	108.4	13			0.12	1.31	4201	TELANGANA	4201	TS_SPDCL
TO 424011	MALKARAM	400.00	T1	195.2	89.7	214.8	25			0.42	4.41	4201	TELANGANA	4201	TS_SPDCL
TO 424021	MHSWRM-PG	400.00	T1	-474.2	-67.0	478.9	56			2.37	26.38	4201	TELANGANA	4201	TS_SPDCL
BUS 424004	KHAMMAM	400.00	CKT		MW	MVAR	MVA	% 1.0052PU 402.08KV	-24.12	X---	LOSSES	---X	X----	AREA -----X	X---- ZONE -----X 424004
TO SWITCHED SHUNT				0.0	-0.0	0.0					MW	MVAR	4201	TELANGANA	4203 TS_NPDCL
TO 414007	TALLAPALLI	400.00	T1	-44.4	-63.5	77.4	9			0.06	0.65	4801	SR_ISTS_AP	4101	ANDRAPRADESH
TO 414007	TALLAPALLI	400.00	T2	-41.0	-58.8	71.7	8			0.05	0.60	4801	SR_ISTS_AP	4101	ANDRAPRADESH
TO 414007	TALLAPALLI	400.00	T3	-44.4	-63.5	77.4	9			0.06	0.65	4801	SR_ISTS_AP	4101	ANDRAPRADESH
TO 414008	NUNNA	400.00	T1	-15.4	-14.2	21.0	2			0.01	0.13	4801	SR_ISTS_AP	4101	ANDRAPRADESH
TO 414011	KALAPAKA4	400.00	T2	-47.4	30.0	56.0	7			0.36	4.86	4101	ANDRAPRADESH	4101	ANDRAPRADESH
TO 422023	BPD 220KV SS220.00	1	128.0	19.0	129.4	41	1.0000LK			0.33	6.57	4201	TELANGANA	4203	TS_NPDCL
TO 422023	BPD 220KV SS220.00	2	128.0	19.0	129.4	41	1.0000LK			0.33	6.57	4201	TELANGANA	4203	TS_NPDCL
TO 422023	BPD 220KV SS220.00	3	203.1	30.2	205.4	41	1.0000LK			0.52	10.43	4201	TELANGANA	4203	TS_NPDCL
TO 424010	WARANGAL	400.00	T1	36.8	0.1	36.8	4			0.03	0.36	4201	TELANGANA	4203	TS_NPDCL
TO 424012	KTPS-VI	400.00	T1	-243.2	41.7	246.7	29			0.78	8.74	4201	TELANGANA	4203	TS_NPDCL
TO 424020	ASUPAKA	400.00	T1	37.4	77.7	86.2	10			0.12	1.08	4201	TELANGANA	4203	TS_NPDCL
TO 424024	KTPS-VII	400.00	T1	-207.5	39.6	211.3	25			0.59	6.52	4201	TELANGANA	4203	TS_NPDCL
TO 424045	CHOUTUPPAL	400.00	T1	55.1	-28.7	62.1	7			0.08	0.89	4201	TELANGANA	4201	TS_SPDCL
TO 424045	CHOUTUPPAL	400.00	T2	55.1	-28.7	62.1	7			0.08	0.89	4201	TELANGANA	4201	TS_SPDCL
BUS 424005	SRISAILAMLB	400.00	CKT		MW	MVAR	MVA	% 1.0000PU 400.00KV	-22.15	X---	LOSSES	---X	X----	AREA -----X	X---- ZONE -----X 424005
FROM GENERATION				630.0	-152.7R	648.3	61				MW	MVAR	4201	TELANGANA	4201 TS_SPDCL
TO 414010	KURNOOL4	400.00	T1	-68.5	-31.1	75.2	9			0.23	3.06	4101	ANDRAPRADESH	4101	ANDRAPRADESH
TO 414021	SATENAPALI4	400.00	T1	39.5	-24.5	46.5	5			0.12	1.57	4101	ANDRAPRADESH	4101	ANDRAPRADESH
TO 414021	SATENAPALI4	400.00	T2	39.5	-24.5	46.5	5			0.12	1.57	4101	ANDRAPRADESH	4101	ANDRAPRADESH
TO 424019	DINDI	400.00	T1	309.7	-36.4	311.9	37			1.31	14.57	4201	TELANGANA	4201	TS_SPDCL
TO 424019	DINDI	400.00	T2	309.7	-36.4	311.9	37			1.31	14.57	4201	TELANGANA	4201	TS_SPDCL
BUS 424006	MAMIDIPALLI	400.00	CKT		MW	MVAR	MVA	% 0.9952PU 398.07KV	-27.42	X---	LOSSES	---X	X----	AREA -----X	X---- ZONE -----X 424006
TO 422031	MMP 220 BUS	220.00	1	197.5	35.9	200.8	64	1.0000LK			MW	MVAR	4201	TELANGANA	4201 TS_SPDCL
TO 422031	MMP 220 BUS	220.00	2	197.5	35.9	200.8	64	1.0000LK			0.81	16.15	4201	TELANGANA	4201 TS_SPDCL
TO 422031	MMP 220 BUS	220.00	3	197.5	35.9	200.8	64	1.0000LK			0.81	16.15	4201	TELANGANA	4201 TS_SPDCL
TO 422031	MMP 220 BUS	220.00	4	197.5	35.9	200.8	64	1.0000LK			0.81	16.15	4201	TELANGANA	4201 TS_SPDCL
TO 424003	GHANAPUR	400.00	T1	63.0	-97.0	115.7	14			0.10	1.04	4201	TELANGANA	4201	TS_SPDCL
TO 424045	CHOUTUPPAL	400.00	T1	-321.1	38.1	323.3	38			1.29	13.82	4201	TELANGANA	4201	TS_SPDCL
TO 424045	CHOUTUPPAL	400.00	T2	-321.1	-18.5	321.6	38			1.29	13.82	4201	TELANGANA	4201	TS_SPDCL

TO 424060	MAH SEC-B	400.00	T1	-105.5	-33.1	110.6	13		0.06	0.54	4201	TELANGANA	4201	TS_SPDCL	
TO 424060	MAH SEC-B	400.00	T2	-105.5	-33.1	110.6	13		0.06	0.54	4201	TELANGANA	4201	TS_SPDCL	
BUS 424007	DICHIPALLI	400.00	CKT	MW	MVAR	MVA	% 1.0139PU	-26.90	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 424007
							405.56KV								
									MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220	BUS220.00	1	123.2	34.1	127.9	41 1.0000LK		0.31	6.31	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220	BUS220.00	2	123.2	34.1	127.9	41 1.0000LK		0.31	6.31	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220	BUS220.00	3	123.2	34.1	127.9	41 1.0000LK		0.31	6.31	4201	TELANGANA	4203	TS_NPDCL	
TO 422016	DCPL 220	BUS220.00	4	195.6	54.1	202.9	41 1.0000LK		0.50	10.02	4201	TELANGANA	4203	TS_NPDCL	
TO 424002	RSTPS NTPC	400.00	T1	-187.5	26.2	189.3	22		1.07	11.90	4202	RGM-TPS	4202	RGM-TPS	
TO 424018	NIZAMABAD	400.00	I1	-337.7	-104.8	353.6	21		0.10	1.04	4201	TELANGANA	4203	TS_NPDCL	
TO 424018	NIZAMABAD	400.00	I2	-337.7	-104.8	353.6	21		0.10	1.04	4201	TELANGANA	4203	TS_NPDCL	
TO 424027	NIRMAL	400.00	Q1	148.8	13.5	149.4	9		0.13	2.17	4201	TELANGANA	4203	TS_NPDCL	
TO 424027	NIRMAL	400.00	Q2	148.8	13.5	149.4	9		0.13	2.17	4201	TELANGANA	4203	TS_NPDCL	
BUS 424008	GAJWEL	400.00	CKT	MW	MVAR	MVA	% 0.9944PU	-28.45	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 424008
							397.77KV								
TO SHUNT				0.0	112.1	112.1									
TO 422041	GJWL 220	BUS220.00	1	156.2	30.4	159.2	51 1.0000LK		0.51	10.17	4201	TELANGANA	4201	TS_SPDCL	
TO 422041	GJWL 220	BUS220.00	2	156.2	30.4	159.2	51 1.0000LK		0.51	10.17	4201	TELANGANA	4201	TS_SPDCL	
TO 422041	GJWL 220	BUS220.00	3	248.0	48.2	252.6	51 1.0000LK		0.81	16.13	4201	TELANGANA	4201	TS_SPDCL	
TO 422041	GJWL 220	BUS220.00	4	248.0	48.2	252.6	51 1.0000LK		0.81	16.13	4201	TELANGANA	4201	TS_SPDCL	
TO 424002	RSTPS NTPC	400.00	T1	-302.1	-16.8	302.6	36		2.33	25.98	4202	RGM-TPS	4202	RGM-TPS	
TO 424003	GHANAPUR	400.00	T1	-81.5	-68.1	106.2	12		0.12	1.31	4201	TELANGANA	4201	TS_SPDCL	
TO 424017	NARSARPUR	400.00	T1	38.4	-20.4	43.4	5		0.01	0.14	4201	TELANGANA	4201	TS_SPDCL	
TO 424017	NARSARPUR	400.00	T2	38.4	-20.4	43.4	5		0.01	0.14	4201	TELANGANA	4201	TS_SPDCL	
TO 424031	CHANDULAPUR	400.00	T1	-71.5	-54.2	89.7	11		0.08	0.73	4201	TELANGANA	4205	TS_LIS	
TO 424031	CHANDULAPUR	400.00	T2	-71.5	-54.2	89.7	11		0.08	0.73	4201	TELANGANA	4205	TS_LIS	
TO 424050	KACHAPUR-A	400.00	Q1	-179.3	-17.7	180.1	11		0.17	2.88	4201	TELANGANA	4205	TS_LIS	
TO 424050	KACHAPUR-A	400.00	Q2	-179.3	-17.7	180.1	11		0.17	2.88	4201	TELANGANA	4205	TS_LIS	
BUS 424009	KAKATIYA TPS	400.00	CKT	MW	MVAR	MVA	% 1.0009PU	-24.61	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 424009
FROM GENERATION				935.0	-110.0L	941.4	73 400.35KV								
TO SHUNT				0.0	113.6	113.6									
TO 422147	KTPP	220.00	1	211.9	27.1	213.6	43 1.0000LK		0.57	11.39	4201	TELANGANA	4203	TS_NPDCL	
TO 422147	KTPP	220.00	2	211.9	27.1	213.6	43 1.0000LK		0.57	11.39	4201	TELANGANA	4203	TS_NPDCL	
TO 424010	WARANGAL	400.00	T1	-2.5	-89.3	89.3	10		0.05	0.50	4201	TELANGANA	4203	TS_NPDCL	
TO 424010	WARANGAL	400.00	T2	-2.5	-89.3	89.3	10		0.05	0.50	4201	TELANGANA	4203	TS_NPDCL	
TO 424031	CHANDULAPUR	400.00	T1	258.1	-49.6	262.8	31		1.57	15.22	4201	TELANGANA	4205	TS_LIS	
TO 424031	CHANDULAPUR	400.00	T2	258.1	-49.6	262.8	31		1.57	15.22	4201	TELANGANA	4205	TS_LIS	

BUS 424010	WARANGAL	400.00	CKT	MW	MVAR	MVA	% 1.0076PU	-24.64	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424010
							403.03KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422052	OGLAPUR	220.00	1	162.0	44.3	167.9	53 1.0000LK			0.00	11.02	4201	TELANGANA	4203	TS_NPDCL	
TO 422052	OGLAPUR	220.00	2	162.0	44.3	167.9	53 1.0000LK			0.00	11.02	4201	TELANGANA	4203	TS_NPDCL	
TO 422052	OGLAPUR	220.00	3	257.1	70.4	266.5	53 1.0000LK			0.00	17.50	4201	TELANGANA	4203	TS_NPDCL	
TO 424002	RSTPS NTPC	400.00	T1	-90.1	18.3	92.0	11			0.19	2.07	4202	RGM-TPS	4202	RGM-TPS	
TO 424004	KHAMMAM	400.00	T1	-36.7	-19.7	41.7	5			0.03	0.36	4201	TELANGANA	4203	TS_NPDCL	
TO 424009	KAKATIYA TPS	400.00	T1	2.5	61.9	61.9	7			0.05	0.50	4201	TELANGANA	4203	TS_NPDCL	
TO 424009	KAKATIYA TPS	400.00	T2	2.5	61.9	61.9	7			0.05	0.50	4201	TELANGANA	4203	TS_NPDCL	
TO 424061	WARANGAL NEW	400.00	Q1	-229.6	-140.6	269.3	16			0.27	4.77	4201	TELANGANA	4203	TS_NPDCL	
TO 424061	WARANGAL NEW	400.00	Q2	-229.6	-140.6	269.3	16			0.27	4.77	4201	TELANGANA	4203	TS_NPDCL	
BUS 424011	MALKARAM	400.00	CKT	MW	MVAR	MVA	% 0.9944PU	-28.95	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424011
							397.74KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	1	174.3	52.6	182.1	58 1.0000LK			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	2	174.3	52.6	182.1	58 1.0000LK			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	3	174.3	52.6	182.1	58 1.0000LK			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL	
TO 422024	MALKARAM	220.00	4	174.3	52.6	182.1	58 1.0000LK			0.66	13.31	4201	TELANGANA	4201	TS_SPDCL	
TO 424002	RSTPS NTPC	400.00	T1	-239.4	-37.6	242.3	28			2.16	22.69	4202	RGM-TPS	4202	RGM-TPS	
TO 424003	GHANAPUR	400.00	T1	-194.8	-72.1	207.7	24			0.42	4.41	4201	TELANGANA	4201	TS_SPDCL	
TO 424016	SURYAPET	400.00	T1	-129.9	-50.8	139.4	16			0.43	4.57	4201	TELANGANA	4203	TS_NPDCL	
TO 424016	SURYAPET	400.00	T2	-133.2	-50.0	142.3	17			0.44	4.69	4201	TELANGANA	4203	TS_NPDCL	
BUS 424012	KTPS-VI	400.00	CKT	MW	MVAR	MVA	% 1.0004PU	-22.12	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424012
FROM GENERATION				425.0	-50.0L	427.9	73 400.15KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422085	KTPS-V	220.00	1	-252.2	26.3	253.6	81 1.0000LK	10.00HI		1.27	25.50	4201	TELANGANA	4203	TS_NPDCL	
TO 424004	KHAMMAM	400.00	T1	244.0	-70.8	254.0	30			0.78	8.74	4201	TELANGANA	4203	TS_NPDCL	
TO 424024	KTPS-VII	400.00	T1	433.3	-5.5	433.3	51			0.19	2.06	4201	TELANGANA	4203	TS_NPDCL	
BUS 424013	SHANKARPALLI	400.00	CKT	MW	MVAR	MVA	% 0.9932PU	-29.42	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424013
							397.28KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SHUNT				0.0	111.8	111.8										
TO 422054	SHANKARPALLY	220.00	1	153.7	34.8	157.6	50 1.0000LK			0.50	9.99	4201	TELANGANA	4201	TS_SPDCL	
TO 422054	SHANKARPALLY	220.00	2	153.7	34.8	157.6	50 1.0000LK			0.50	9.99	4201	TELANGANA	4201	TS_SPDCL	
TO 422054	SHANKARPALLY	220.00	3	153.7	34.8	157.6	50 1.0000LK			0.50	9.99	4201	TELANGANA	4201	TS_SPDCL	
TO 422054	SHANKARPALLY	220.00	4	243.9	55.3	250.1	50 1.0000LK			0.79	15.85	4201	TELANGANA	4201	TS_SPDCL	
TO 424017	NARSARPUR	400.00	T1	-104.1	-17.9	105.7	12			0.12	1.39	4201	TELANGANA	4201	TS_SPDCL	
TO 424017	NARSARPUR	400.00	T2	-104.1	-17.9	105.7	12			0.12	1.39	4201	TELANGANA	4201	TS_SPDCL	
TO 424018	NIZAMABAD	400.00	T1	-181.1	-101.2	207.5	24			0.93	9.90	4201	TELANGANA	4203	TS_NPDCL	
TO 424018	NIZAMABAD	400.00	T2	-181.1	-101.2	207.5	24			0.93	9.90	4201	TELANGANA	4203	TS_NPDCL	
TO 424029	KETIREDDYPAL	400.00	Q1	175.7	3.1	175.8	10			0.16	2.58	4201	TELANGANA	4201	TS_SPDCL	
TO 424029	KETIREDDYPAL	400.00	Q2	175.7	3.1	175.8	10			0.16	2.58	4201	TELANGANA	4201	TS_SPDCL	
TO 424060	MAH SEC-B	400.00	T1	-243.0	-19.8	243.8	29			0.91	9.67	4201	TELANGANA	4201	TS_SPDCL	
TO 424060	MAH SEC-B	400.00	T2	-243.0	-19.8	243.8	29			0.91	9.67	4201	TELANGANA	4201	TS_SPDCL	

BUS 424015	SINGARENI	400.00	CKT	MW	MVAR	MVA	% 1.0000PU	-26.45	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424015
FROM GENERATION				1020.0	-39.9R	1020.8	72 400.00KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO SHUNT				0.0	57.1	57.1										
TO 424026	SUNDILLA	400.00	Q1	214.8	-54.6	221.6	13			0.13	2.12	4201	TELANGANA	4201	TS_SPDCL	
TO 424026	SUNDILLA	400.00	Q2	214.8	-54.6	221.6	13			0.13	2.12	4201	TELANGANA	4201	TS_SPDCL	
TO 424050	KACHAPUR-A	400.00	Q1	101.3	-22.6	103.8	6			0.12	1.99	4201	TELANGANA	4205	TS_LIS	
TO 424050	KACHAPUR-A	400.00	Q2	101.3	-22.6	103.8	6			0.12	1.99	4201	TELANGANA	4205	TS_LIS	
TO 424055	ANNARAM	400.00	Q1	193.9	28.7	196.0	12			0.07	1.23	4201	TELANGANA	4205	TS_LIS	
TO 424055	ANNARAM	400.00	Q2	193.9	28.7	196.0	12			0.07	1.23	4201	TELANGANA	4205	TS_LIS	
BUS 424016	SURYAPET	400.00	CKT	MW	MVAR	MVA	% 1.0008PU	-26.97	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424016
							400.30KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO SHUNT				0.0	113.6	113.6										
TO 414013	VTS-IV	400.00	T1	-126.4	7.4	126.6	15			0.50	6.74	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 414013	VTS-IV	400.00	T2	-126.4	7.4	126.6	15			0.50	6.74	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 414042	K V KOTA4	400.00	Q1	67.3	3.9	67.4	4			0.05	0.83	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 414042	K V KOTA4	400.00	Q2	67.3	3.9	67.4	4			0.05	0.83	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 422074	SURYAPET	220.00	1	34.4	18.4	39.0	12 1.0000LK			0.03	0.60	4201	TELANGANA	4201	TS_SPDCL	
TO 422074	SURYAPET	220.00	2	34.4	18.4	39.0	12 1.0000LK			0.03	0.60	4201	TELANGANA	4201	TS_SPDCL	
TO 422074	SURYAPET	220.00	3	54.6	29.3	61.9	12 1.0000LK			0.05	0.96	4201	TELANGANA	4201	TS_SPDCL	
TO 424011	MALKARAM	400.00	T1	130.3	-27.7	133.2	16			0.43	4.57	4201	TELANGANA	4201	TS_SPDCL	
TO 424011	MALKARAM	400.00	T2	133.7	-26.2	136.2	16			0.44	4.69	4201	TELANGANA	4201	TS_SPDCL	
TO 424023	JULURPADU	400.00	Q1	-297.8	-15.7	298.2	18			0.90	15.46	4201	TELANGANA	4201	TS_SPDCL	
TO 424023	JULURPADU	400.00	Q2	-297.8	-15.7	298.2	18			0.90	15.46	4201	TELANGANA	4201	TS_SPDCL	
TO 424029	KETIREDDYPAL	400.00	Q1	163.3	-58.6	173.5	10			0.57	9.50	4201	TELANGANA	4201	TS_SPDCL	
TO 424029	KETIREDDYPAL	400.00	Q2	163.3	-58.6	173.5	10			0.57	9.50	4201	TELANGANA	4201	TS_SPDCL	
BUS 424017	NARSARPUR	400.00	CKT	MW	MVAR	MVA	% 0.9946PU	-28.66	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424017
							397.86KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SHUNT				0.0	112.2	112.2										
TO 422093	NARSARPUR	220.00	1	146.7	19.1	148.0	47 1.0000LK			0.44	8.78	4201	TELANGANA	4201	TS_SPDCL	
TO 422093	NARSARPUR	220.00	2	146.7	19.1	148.0	47 1.0000LK			0.44	8.78	4201	TELANGANA	4201	TS_SPDCL	
TO 422093	NARSARPUR	220.00	3	146.7	19.1	148.0	47 1.0000LK			0.44	8.78	4201	TELANGANA	4201	TS_SPDCL	
TO 424008	GAJWEL	400.00	T1	-38.4	-8.4	39.3	5			0.01	0.14	4201	TELANGANA	4201	TS_SPDCL	
TO 424008	GAJWEL	400.00	T2	-38.4	-8.4	39.3	5			0.01	0.14	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	T1	104.3	-14.1	105.2	12			0.12	1.39	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	T2	104.3	-14.1	105.2	12			0.12	1.39	4201	TELANGANA	4201	TS_SPDCL	
TO 424032	TUKKAPUR	400.00	T1	-35.5	-30.1	46.5	5			0.02	0.15	4201	TELANGANA	4201	TS_SPDCL	
TO 424032	TUKKAPUR	400.00	T2	-35.5	-30.1	46.5	5			0.02	0.15	4201	TELANGANA	4201	TS_SPDCL	
TO 424051	KACHAPUR-B	400.00	Q1	-250.6	-32.3	252.6	15			0.73	12.59	4201	TELANGANA	4205	TS_LIS	
TO 424051	KACHAPUR-B	400.00	Q2	-250.6	-32.3	252.6	15			0.73	12.59	4201	TELANGANA	4205	TS_LIS	

BUS 424018	NIZAMABAD	400.00	CKT	MW	MVAR	MVA	% 1.0151PU 406.02KV	-26.74	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424018
										MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 424007	DICHIPALLI	400.00	I1	337.8	103.0	353.1	21			0.10	1.04	4201	TELANGANA	4203	TS_NPDCL	
TO 424007	DICHIPALLI	400.00	I2	337.8	103.0	353.1	21			0.10	1.04	4201	TELANGANA	4203	TS_NPDCL	
TO 424013	SHANKARPALLI	400.00	T1	182.0	26.3	183.9	22			0.93	9.90	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	T2	182.0	26.3	183.9	22			0.93	9.90	4201	TELANGANA	4201	TS_SPDCL	
TO 424031	CHANDULAPUR	400.00	Q1	122.6	32.8	126.9	7			0.23	3.89	4201	TELANGANA	4205	TS_LIS	
TO 424031	CHANDULAPUR	400.00	Q2	122.6	32.8	126.9	7			0.23	3.89	4201	TELANGANA	4205	TS_LIS	
TO 427001	NIZAMABAD	765.00	1	-428.3	-108.1	441.7	29 1.0000UN			0.00	15.78	4802	SR_ISTS_TS	4001	SR-IR	
TO 427001	NIZAMABAD	765.00	2	-428.3	-108.1	441.7	29 1.0000UN			0.00	15.78	4802	SR_ISTS_TS	4001	SR-IR	
TO 427001	NIZAMABAD	765.00	3	-428.3	-108.1	441.7	29 1.0000UN			0.00	15.78	4802	SR_ISTS_TS	4001	SR-IR	
BUS 424019	DINDI	400.00	CKT	MW	MVAR	MVA	% 0.9993PU 399.74KV	-24.85	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424019
										MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422033	DINDI SS	220.00	1	83.5	18.3	85.5	27 1.0000LK			0.14	2.90	4201	TELANGANA	4201	TS_SPDCL	
TO 422033	DINDI SS	220.00	2	83.5	18.3	85.5	27 1.0000LK			0.14	2.90	4201	TELANGANA	4201	TS_SPDCL	
TO 424005	SRISAILMLB	400.00	T1	-308.4	10.4	308.6	36			1.31	14.57	4201	TELANGANA	4201	TS_SPDCL	
TO 424005	SRISAILMLB	400.00	T2	-308.4	10.4	308.6	36			1.31	14.57	4201	TELANGANA	4201	TS_SPDCL	
TO 424044	YADADRI TPP	400.00	Q1	-446.8	0.5	446.8	26			1.92	33.13	4201	TELANGANA	4201	TS_SPDCL	
TO 424044	YADADRI TPP	400.00	Q2	-446.8	0.5	446.8	26			1.92	33.13	4201	TELANGANA	4201	TS_SPDCL	
TO 424057	YEDULA	400.00	Q1	320.9	-5.0	321.0	19			0.52	9.05	4201	TELANGANA	4205	TS_LIS	
TO 424057	YEDULA	400.00	Q2	320.9	-5.0	321.0	19			0.52	9.05	4201	TELANGANA	4205	TS_LIS	
TO 424060	MAH SEC-B	400.00	T1	350.8	-24.2	351.6	41			1.39	13.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424060	MAH SEC-B	400.00	T2	350.8	-24.2	351.6	41			1.39	13.99	4201	TELANGANA	4201	TS_SPDCL	
BUS 424020	ASUPAKA	400.00	CKT	MW	MVAR	MVA	% 0.9912PU 396.50KV	-24.51	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424020
										MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO SHUNT				0.0	70.7	70.7										
TO 414011	KALAPAKA4	400.00	T1	-75.8	36.5	84.1	10			0.61	8.24	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 422107	ASUPAKA	220.00	1	56.5	-4.9	56.7	18 1.0000LK			0.06	1.30	4201	TELANGANA	4203	TS_NPDCL	
TO 422107	ASUPAKA	220.00	2	56.5	-4.9	56.7	18 1.0000LK			0.06	1.30	4201	TELANGANA	4203	TS_NPDCL	
TO 424004	KHAMMAM	400.00	T1	-37.2	-97.5	104.3	12			0.12	1.08	4201	TELANGANA	4203	TS_NPDCL	
BUS 424021	MHSWRM-PG	400.00	CKT	MW	MVAR	MVA	% 1.0149PU 405.95KV	-24.72	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424021
										MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 414010	KURNOOL4	400.00	T1	-84.5	-9.4	85.0	10			0.53	7.13	4101	ANDRAPRADESH	4101	ANDRAPRADESH	
TO 424001	VELTOOR	400.00	T1	-53.4	33.1	62.9	7			0.12	1.28	4201	TELANGANA	4201	TS_SPDCL	
TO 424001	VELTOOR	400.00	T2	-53.4	33.1	62.9	7			0.12	1.28	4201	TELANGANA	4201	TS_SPDCL	
TO 424003	GHANAPUR	400.00	T1	476.6	61.7	480.6	56			2.37	26.38	4201	TELANGANA	4201	TS_SPDCL	
TO 424022	MAH SEC-A	400.00	Q	484.7	170.9	514.0	30			0.08	19.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424022	MAH SEC-A	400.00	Q1	484.7	170.9	514.0	30			0.08	19.99	4201	TELANGANA	4201	TS_SPDCL	
TO 427002	MAHESWARAM	765.00	1	-418.2	-153.4	445.5	30 1.0000UN			0.00	16.06	4201	TELANGANA	4203	TS_NPDCL	
TO 427002	MAHESWARAM	765.00	2	-418.2	-153.4	445.5	30 1.0000UN			0.00	16.06	4201	TELANGANA	4203	TS_NPDCL	
TO 427002	MAHESWARAM	765.00	3	-418.2	-153.4	445.5	30 1.0000UN			0.00	16.06	4201	TELANGANA	4203	TS_NPDCL	

BUS 424022	MAH SEC-A	400.00	CKT	MW	MVAR	MVA	% 1.0023PU	-26.84	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424022
							400.91KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SHUNT				0.0	113.9	113.9										
TO 422098	MAHES_220	220.00	1	236.5	44.0	240.6	48 1.0000LK			0.72	14.40	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	2	236.5	44.0	240.6	48 1.0000LK			0.72	14.40	4201	TELANGANA	4201	TS_SPDCL	
TO 422098	MAHES_220	220.00	3	236.5	44.0	240.6	48 1.0000LK			0.72	14.40	4201	TELANGANA	4201	TS_SPDCL	
TO 424021	MHSWRM-PG	400.00	Q	-484.6	-151.8	507.9	30			0.08	19.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424021	MHSWRM-PG	400.00	Q1	-484.6	-151.8	507.9	30			0.08	19.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424059	UDDANDAPUR	400.00	Q1	129.9	28.9	133.0	8			0.11	1.85	4201	TELANGANA	4205	TS_LIS	
TO 424059	UDDANDAPUR	400.00	Q2	129.9	28.9	133.0	8			0.11	1.85	4201	TELANGANA	4205	TS_LIS	
BUS 424023	JULURPADU	400.00	CKT	MW	MVAR	MVA	% 1.0008PU	-24.01	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424023
							400.34KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422104	JULURPADU2	220.00	1	77.9	-2.2	77.9	25 1.0000LK			0.12	2.40	4201	TELANGANA	4201	TS_SPDCL	
TO 422104	JULURPADU2	220.00	2	77.9	-2.2	77.9	25 1.0000LK			0.12	2.40	4201	TELANGANA	4201	TS_SPDCL	
TO 424016	SURYAPET	400.00	Q1	298.7	-49.3	302.8	18			0.90	15.46	4201	TELANGANA	4203	TS_NPDCL	
TO 424016	SURYAPET	400.00	Q2	298.7	-49.3	302.8	18			0.90	15.46	4201	TELANGANA	4203	TS_NPDCL	
TO 424024	KTPS-VII	400.00	Q1	-451.7	31.9	452.9	27			0.74	12.73	4201	TELANGANA	4203	TS_NPDCL	
TO 424024	KTPS-VII	400.00	Q2	-451.7	31.9	452.9	27			0.74	12.73	4201	TELANGANA	4203	TS_NPDCL	
TO 424030	BTPS	400.00	Q1	-366.3	5.1	366.4	22			1.46	24.09	4201	TELANGANA	4203	TS_NPDCL	
TO 424030	BTPS	400.00	Q2	-366.3	5.1	366.4	22			1.46	24.09	4201	TELANGANA	4203	TS_NPDCL	
TO 424034	JANGOAN	400.00	Q1	138.2	-57.8	149.8	9			0.32	5.28	4201	TELANGANA	4203	TS_NPDCL	
TO 424034	JANGOAN	400.00	Q2	138.2	-57.8	149.8	9			0.32	5.28	4201	TELANGANA	4203	TS_NPDCL	
TO 424035	KAMALAPUR	400.00	T1	103.0	27.8	106.6	13			0.09	0.90	4201	TELANGANA	4205	TS_LIS	
TO 424035	KAMALAPUR	400.00	T2	103.0	27.8	106.6	13			0.09	0.90	4201	TELANGANA	4205	TS_LIS	
TO 424047	I-STEELPLANT	400.00	Q1	200.3	44.6	205.2	12			0.20	3.48	4201	TELANGANA	4203	TS_NPDCL	
TO 424047	I-STEELPLANT	400.00	Q2	200.3	44.6	205.2	12			0.20	3.48	4201	TELANGANA	4203	TS_NPDCL	
BUS 424024	KTPS-VII	400.00	CKT	MW	MVAR	MVA	% 1.0000PU	-22.40	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424024
FROM GENERATION				680.0	-48.8R	681.7	72 400.00KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO SHUNT				0.0	113.4	113.4										
TO 424004	KHAMMAM	400.00	T1	208.1	-71.2	219.9	26			0.59	6.52	4201	TELANGANA	4203	TS_NPDCL	
TO 424012	KTPS-VI	400.00	T1	-433.1	4.6	433.1	51			0.19	2.06	4201	TELANGANA	4203	TS_NPDCL	
TO 424023	JULURPADU	400.00	Q1	452.5	-47.8	455.0	27			0.74	12.73	4201	TELANGANA	4201	TS_SPDCL	
TO 424023	JULURPADU	400.00	Q2	452.5	-47.8	455.0	27			0.74	12.73	4201	TELANGANA	4201	TS_SPDCL	
BUS 424025	RAMADUGU	400.00	CKT	MW	MVAR	MVA	% 0.9952PU	-27.52	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424025
							398.08KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SHUNT				0.0	112.3	112.3										
TO 422128	RAMADUGU_220	220.00	1	190.5	46.5	196.1	39 1.0000LK			0.49	9.71	4201	TELANGANA	4203	TS_NPDCL	
TO 422128	RAMADUGU_220	220.00	2	190.5	46.5	196.1	39 1.0000LK			0.49	9.71	4201	TELANGANA	4203	TS_NPDCL	
TO 424028	MEDARAM	400.00	Q1	174.8	-13.7	175.3	10			0.06	1.00	4201	TELANGANA	4205	TS_LIS	
TO 424028	MEDARAM	400.00	Q2	174.8	-13.7	175.3	10			0.06	1.00	4201	TELANGANA	4205	TS_LIS	

TO 424033	TIPPAPUR	400.00	Q1	60.4	-68.8	91.6	5		0.03	0.48	4201	TELANGANA	4201	TS_SPDCL	
TO 424033	TIPPAPUR	400.00	Q2	60.4	-68.8	91.6	5		0.03	0.48	4201	TELANGANA	4201	TS_SPDCL	
TO 424036	TSTPP_NTPC	400.00	Q1	-627.3	-12.0	627.4	37		2.44	42.14	4201	TELANGANA	4203	TS_NPDCL	
TO 424036	TSTPP_NTPC	400.00	Q2	-627.3	-12.0	627.4	37		2.44	42.14	4201	TELANGANA	4203	TS_NPDCL	
TO 424037	RAMADUGU_LIS	400.00	2	389.2	0.0	389.2			0.00	0.00	4201	TELANGANA	4205	TS_LIS	
TO 424050	KACHAPUR-A	400.00	Q1	7.0	-8.1	10.7	1		0.00	0.00	4201	TELANGANA	4205	TS_LIS	
TO 424050	KACHAPUR-A	400.00	Q2	7.0	-8.1	10.7	1		0.00	0.00	4201	TELANGANA	4205	TS_LIS	
BUS 424026	SUNDILLA	400.00	CKT	MW	MVAR	MVA	% 1.0014PU	-27.00	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 424026
							400.57KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO SHUNT				0.0	113.7	113.7									
TO 422115	SUNDILLA	220.00	1	77.6	-0.8	77.6	25 1.0000LK		0.12	2.38	4201	TELANGANA	4203	TS_NPDCL	
TO 422115	SUNDILLA	220.00	2	77.6	-0.8	77.6	25 1.0000LK		0.12	2.38	4201	TELANGANA	4203	TS_NPDCL	
TO 422115	SUNDILLA	220.00	3	77.6	-0.8	77.6	25 1.0000LK		0.12	2.38	4201	TELANGANA	4203	TS_NPDCL	
TO 422115	SUNDILLA	220.00	4	77.6	-0.8	77.6	25 1.0000LK		0.12	2.38	4201	TELANGANA	4203	TS_NPDCL	
TO 424015	SINGARENI	400.00	Q1	-214.7	36.3	217.7	13		0.13	2.12	4201	TELANGANA	4203	TS_NPDCL	
TO 424015	SINGARENI	400.00	Q2	-214.7	36.3	217.7	13		0.13	2.12	4201	TELANGANA	4203	TS_NPDCL	
TO 424027	NIRMAL	400.00	Q1	59.5	-91.6	109.3	6		0.07	1.10	4201	TELANGANA	4203	TS_NPDCL	
TO 424027	NIRMAL	400.00	Q2	59.5	-91.6	109.3	6		0.07	1.10	4201	TELANGANA	4203	TS_NPDCL	
BUS 424027	NIRMAL	400.00	CKT	MW	MVAR	MVA	% 1.0099PU	-27.68	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 424027
							403.94KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL
TO 422111	NIRMAL_NEW	220.00	1	138.7	34.5	142.9	45 1.0000LK		0.40	7.95	4201	TELANGANA	4203	TS_NPDCL	
TO 422111	NIRMAL_NEW	220.00	2	138.7	34.5	142.9	45 1.0000LK		0.40	7.95	4201	TELANGANA	4203	TS_NPDCL	
TO 422111	NIRMAL_NEW	220.00	3	138.7	34.5	142.9	45 1.0000LK		0.40	7.95	4201	TELANGANA	4203	TS_NPDCL	
TO 424007	DICHIPALLI	400.00	Q1	-148.7	-54.3	158.3	9		0.13	2.17	4201	TELANGANA	4203	TS_NPDCL	
TO 424007	DICHIPALLI	400.00	Q2	-148.7	-54.3	158.3	9		0.13	2.17	4201	TELANGANA	4203	TS_NPDCL	
TO 424026	SUNDILLA	400.00	Q1	-59.4	2.6	59.5	3		0.07	1.10	4201	TELANGANA	4201	TS_SPDCL	
TO 424026	SUNDILLA	400.00	Q2	-59.4	2.6	59.5	3		0.07	1.10	4201	TELANGANA	4201	TS_SPDCL	
BUS 424028	MEDARAM	400.00	CKT	MW	MVAR	MVA	% 0.9951PU	-27.84	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 424028
							398.03KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS
TO LOAD-PQ				349.4	0.0	349.4									
TO 424025	RAMADUGU	400.00	Q1	-174.7	0.0	174.7	10		0.06	1.00	4201	TELANGANA	4201	TS_SPDCL	
TO 424025	RAMADUGU	400.00	Q2	-174.7	0.0	174.7	10		0.06	1.00	4201	TELANGANA	4201	TS_SPDCL	
BUS 424029	KETIREDDYPAL	400.00	CKT	MW	MVAR	MVA	% 0.9907PU	-30.25	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X 424029
							396.27KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL
TO SHUNT				0.0	111.3	111.3									
TO 422116	KETHIREDDYPA	220.00	1	117.9	31.2	121.9	39 1.0000LK		0.30	6.01	4201	TELANGANA	4201	TS_SPDCL	
TO 422116	KETHIREDDYPA	220.00	2	117.9	31.2	121.9	39 1.0000LK		0.30	6.01	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	Q1	-175.6	-37.4	179.5	11		0.16	2.58	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	Q2	-175.6	-37.4	179.5	11		0.16	2.58	4201	TELANGANA	4201	TS_SPDCL	
TO 424016	SURYAPET	400.00	Q1	-162.7	-94.7	188.3	11		0.57	9.50	4201	TELANGANA	4203	TS_NPDCL	

TO 424016	SURYAPET	400.00	Q2	-162.7	-94.7	188.3	11		0.57	9.50	4201	TELANGANA	4203	TS_NPDCL		
TO 424042	RAIDURG_GIS	400.00	C1	220.5	45.3	225.1	23		0.20	3.51	4201	TELANGANA	4204	TS_GHMC		
TO 424042	RAIDURG_GIS	400.00	C2	220.5	45.3	225.1	23		0.20	3.51	4201	TELANGANA	4204	TS_GHMC		
BUS 424030	BTPS	400.00	CKT	MW	MVAR	MVA	% 1.0000PU	-20.25	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424030
FROM GENERATION				918.0	10.7R	918.1	72 400.00KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO SHUNT				0.0	113.4	113.4										
TO 422138	BTPS	220.00	1	182.5	-5.3	182.5	58 1.0000LK		0.66	13.22	4201	TELANGANA	4203	TS_NPDCL		
TO 424023	JULURPADU	400.00	Q1	367.8	-48.7	371.0	22		1.46	24.09	4201	TELANGANA	4201	TS_SPDCL		
TO 424023	JULURPADU	400.00	Q2	367.8	-48.7	371.0	22		1.46	24.09	4201	TELANGANA	4201	TS_SPDCL		
BUS 424031	CHANDULAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9994PU	-28.01	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424031
							399.75KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO SHUNT				0.0	113.2	113.2										
TO 424008	GAJWEL	400.00	T1	71.6	18.5	73.9	9		0.08	0.73	4201	TELANGANA	4201	TS_SPDCL		
TO 424008	GAJWEL	400.00	T2	71.6	18.5	73.9	9		0.08	0.73	4201	TELANGANA	4201	TS_SPDCL		
TO 424009	KAKATIYA TPS	400.00	T1	-256.5	-9.4	256.7	30		1.57	15.22	4201	TELANGANA	4203	TS_NPDCL		
TO 424009	KAKATIYA TPS	400.00	T2	-256.5	-9.4	256.7	30		1.57	15.22	4201	TELANGANA	4203	TS_NPDCL		
TO 424018	NIZAMABAD	400.00	Q1	-122.4	-118.1	170.1	10		0.23	3.89	4201	TELANGANA	4203	TS_NPDCL		
TO 424018	NIZAMABAD	400.00	Q2	-122.4	-118.1	170.1	10		0.23	3.89	4201	TELANGANA	4203	TS_NPDCL		
TO 424032	TUKKAPUR	400.00	T1	176.4	39.9	180.9	21		0.16	1.52	4201	TELANGANA	4201	TS_SPDCL		
TO 424032	TUKKAPUR	400.00	T2	176.4	39.9	180.9	21		0.16	1.52	4201	TELANGANA	4201	TS_SPDCL		
TO 424033	TIPPAPUR	400.00	Q1	-126.9	19.5	128.4	8		0.03	0.51	4201	TELANGANA	4201	TS_SPDCL		
TO 424033	TIPPAPUR	400.00	Q2	-126.9	19.5	128.4	8		0.03	0.51	4201	TELANGANA	4201	TS_SPDCL		
TO 424038	CHANDULAPUR	400.00	2	215.7	0.0	215.7			0.00	0.00	4201	TELANGANA	4205	TS_LIS		
TO 424052	YELLAI[PALLY	400.00	Q1	150.0	-7.0	150.2	9		0.02	0.36	4201	TELANGANA	4205	TS_LIS		
TO 424052	YELLAI[PALLY	400.00	Q2	150.0	-7.0	150.2	9		0.02	0.36	4201	TELANGANA	4205	TS_LIS		
BUS 424032	TUKKAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9964PU	-28.46	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424032
							398.57KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SHUNT				0.0	112.6	112.6										
TO 424017	NARSARPUR	400.00	T1	35.5	-2.9	35.6	4		0.02	0.15	4201	TELANGANA	4201	TS_SPDCL		
TO 424017	NARSARPUR	400.00	T2	35.5	-2.9	35.6	4		0.02	0.15	4201	TELANGANA	4201	TS_SPDCL		
TO 424031	CHANDULAPUR	400.00	T1	-176.3	-53.1	184.1	22		0.16	1.52	4201	TELANGANA	4205	TS_LIS		
TO 424031	CHANDULAPUR	400.00	T2	-176.3	-53.1	184.1	22		0.16	1.52	4201	TELANGANA	4205	TS_LIS		
TO 424039	TUKKAPUR_LIS	400.00	2	137.6	-0.0	137.6			0.00	0.00	4201	TELANGANA	4205	TS_LIS		
TO 424054	NEW TUKKAPUR	400.00	T1	72.0	-0.3	72.0	8		0.00	0.01	4201	TELANGANA	4205	TS_LIS		
TO 424054	NEW TUKKAPUR	400.00	T2	72.0	-0.3	72.0	8		0.00	0.01	4201	TELANGANA	4205	TS_LIS		
BUS 424033	TIPPAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9988PU	-27.79	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424033
							399.53KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO SWITCHED SHUNT				0.0	-0.0	0.0										
TO 424025	RAMADUGU	400.00	Q1	-60.4	37.4	71.0	4		0.03	0.48	4201	TELANGANA	4201	TS_SPDCL		
TO 424025	RAMADUGU	400.00	Q2	-60.4	37.4	71.0	4		0.03	0.48	4201	TELANGANA	4201	TS_SPDCL		

TO 424031	CHANDULAPUR	400.00	Q1	127.0	-32.3	131.0	8		0.03	0.51	4201	TELANGANA	4205	TS_LIS		
TO 424031	CHANDULAPUR	400.00	Q2	127.0	-32.3	131.0	8		0.03	0.51	4201	TELANGANA	4205	TS_LIS		
TO 424034	JANGOAN	400.00	Q1	-251.4	-1.6	251.4	15		0.42	6.99	4201	TELANGANA	4203	TS_NPDCL		
TO 424034	JANGOAN	400.00	Q2	-251.4	-1.6	251.4	15		0.42	6.99	4201	TELANGANA	4203	TS_NPDCL		
TO 424040	TIPPAPUR_LIS	400.00	2	169.6	-0.0	169.6			0.00	0.00	4201	TELANGANA	4205	TS_LIS		
TO 424053	VELJIPUR	400.00	Q1	100.0	-3.6	100.1	6		0.01	0.08	4201	TELANGANA	4205	TS_LIS		
TO 424053	VELJIPUR	400.00	Q2	100.0	-3.6	100.1	6		0.01	0.08	4201	TELANGANA	4205	TS_LIS		
BUS 424034	JANGOAN	400.00	CKT	MW	MVAR	MVA	% 0.9984PU	-26.20	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424034
							399.37KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO SHUNT				0.0	113.0	113.0										
TO 422123	JANGOAN	220.00	1	217.0	34.8	219.8	44 1.0000LK			0.61	12.11	4201	TELANGANA	4203	TS_NPDCL	
TO 422123	JANGOAN	220.00	2	217.0	34.8	219.8	44 1.0000LK			0.61	12.11	4201	TELANGANA	4203	TS_NPDCL	
TO 422123	JANGOAN	220.00	3	217.0	34.8	219.8	44 1.0000LK			0.61	12.11	4201	TELANGANA	4203	TS_NPDCL	
TO 424023	JULURPADU	400.00	Q1	-137.9	-58.4	149.8	9			0.32	5.28	4201	TELANGANA	4201	TS_SPDCL	
TO 424023	JULURPADU	400.00	Q2	-137.9	-58.4	149.8	9			0.32	5.28	4201	TELANGANA	4201	TS_SPDCL	
TO 424033	TIPPAPUR	400.00	Q1	251.8	-39.4	254.8	15			0.42	6.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424033	TIPPAPUR	400.00	Q2	251.8	-39.4	254.8	15			0.42	6.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424044	YADADRI TPP	400.00	Q1	-439.4	-11.0	439.5	26			2.49	42.93	4201	TELANGANA	4201	TS_SPDCL	
TO 424044	YADADRI TPP	400.00	Q2	-439.4	-11.0	439.5	26			2.49	42.93	4201	TELANGANA	4201	TS_SPDCL	
BUS 424035	KAMALAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9971PU	-24.42	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424035
							398.86KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO SHUNT				0.0	112.7	112.7										
TO 422129	KAMALAPUR	220.00	1	102.9	-5.6	103.0	33 1.0000LK			0.21	2.67	4201	TELANGANA	4205	TS_LIS	
TO 422129	KAMALAPUR	220.00	2	102.9	-5.6	103.0	33 1.0000LK			0.21	2.67	4201	TELANGANA	4205	TS_LIS	
TO 424023	JULURPADU	400.00	T1	-102.9	-50.8	114.7	13			0.09	0.90	4201	TELANGANA	4201	TS_SPDCL	
TO 424023	JULURPADU	400.00	T2	-102.9	-50.8	114.7	13			0.09	0.90	4201	TELANGANA	4201	TS_SPDCL	
BUS 424036	TSTPP_NTPC	400.00	CKT	MW	MVAR	MVA	% 1.0000PU	-23.68	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424036
FROM GENERATION				1360.0	223.5R	1378.2	73 400.00KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO SHUNT				0.0	113.4	113.4										
TO 424002	RSTPS NTPC	400.00	Q1	-529.5	27.3	530.2	31			0.08	1.33	4202	RGM-TPS	4202	RGM-TPS	
TO 424002	RSTPS NTPC	400.00	Q2	-529.5	27.3	530.2	31			0.08	1.33	4202	RGM-TPS	4202	RGM-TPS	
TO 424025	RAMADUGU	400.00	Q1	629.8	5.4	629.8	37			2.44	42.14	4201	TELANGANA	4201	TS_SPDCL	
TO 424025	RAMADUGU	400.00	Q2	629.8	5.4	629.8	37			2.44	42.14	4201	TELANGANA	4201	TS_SPDCL	
TO 424051	KACHAPUR-B	400.00	Q1	579.7	22.4	580.1	34			1.24	21.35	4201	TELANGANA	4205	TS_LIS	
TO 424051	KACHAPUR-B	400.00	Q2	579.7	22.4	580.1	34			1.24	21.35	4201	TELANGANA	4205	TS_LIS	
BUS 424037	RAMADUGU_LIS	400.00	CKT	MW	MVAR	MVA	% 0.9952PU	-27.52	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424037
							398.08KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				389.2	0.0	389.2										
TO 424025	RAMADUGU	400.00	2	-389.2	-0.0	389.2				0.00	0.00	4201	TELANGANA	4201	TS_SPDCL	

BUS 424038	CHANDULAPUR_400.00	CKT	MW	MVAR	MVA	% 0.9994PU	-28.01	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	424038
						399.75KV			MW	MVAR	4201	TELANGANA		4205	TS_LIS		
TO LOAD-PQ			215.7	0.0	215.7												
TO 424031	CHANDULAPUR 400.00	2	-215.7	-0.0	215.7				0.00	0.00	4201	TELANGANA		4205	TS_LIS		
BUS 424039	TUKKAPUR_LIS400.00	CKT	MW	MVAR	MVA	% 0.9964PU	-28.46	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	424039
						398.57KV			MW	MVAR	4201	TELANGANA		4205	TS_LIS		
TO LOAD-PQ			137.6	0.0	137.6												
TO 424032	TUKKAPUR 400.00	2	-137.6	0.0	137.6				0.00	0.00	4201	TELANGANA		4201	TS_SPDCL		
BUS 424040	TIPPAPUR_LIS400.00	CKT	MW	MVAR	MVA	% 0.9988PU	-27.79	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	424040
						399.53KV			MW	MVAR	4201	TELANGANA		4205	TS_LIS		
TO LOAD-PQ			169.6	0.0	169.6												
TO 424033	TIPPAPUR 400.00	2	-169.6	0.0	169.6				0.00	0.00	4201	TELANGANA		4201	TS_SPDCL		
BUS 424042	RAIDURG_GIS 400.00	CKT	MW	MVAR	MVA	% 0.9859PU	-31.09	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	424042
						394.37KV			MW	MVAR	4201	TELANGANA		4204	TS_GHMC		
TO SWITCHED SHUNT			0.0	-0.0	0.0												
TO 422144	RAIDURG 220.00	1	220.3	71.5	231.6	46 1.0000LK			0.69	13.79	4201	TELANGANA		4204	TS_GHMC		
TO 422144	RAIDURG 220.00	2	220.3	71.5	231.6	46 1.0000LK			0.69	13.79	4201	TELANGANA		4204	TS_GHMC		
TO 424029	KETIREDDYPAL400.00	C1	-220.3	-71.5	231.6	23			0.20	3.51	4201	TELANGANA		4201	TS_SPDCL		
TO 424029	KETIREDDYPAL400.00	C2	-220.3	-71.5	231.6	23			0.20	3.51	4201	TELANGANA		4201	TS_SPDCL		
BUS 424044	YADADRI TPP 400.00	CKT	MW	MVAR	MVA	% 1.0000PU	-20.61	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	424044
FROM GENERATION			3400.0	-227.9R	3407.6	72 400.00KV			MW	MVAR	4201	TELANGANA		4201	TS_SPDCL		
TO 424019	DINDI 400.00	Q1	448.7	-43.5	450.8	26			1.92	33.13	4201	TELANGANA		4201	TS_SPDCL		
TO 424019	DINDI 400.00	Q2	448.7	-43.5	450.8	26			1.92	33.13	4201	TELANGANA		4201	TS_SPDCL		
TO 424034	JANGOAN 400.00	Q1	441.9	-47.8	444.4	26			2.49	42.93	4201	TELANGANA		4203	TS_NPDCL		
TO 424034	JANGOAN 400.00	Q2	441.9	-47.8	444.4	26			2.49	42.93	4201	TELANGANA		4203	TS_NPDCL		
TO 424045	CHOUTUPPAL 400.00	Q1	517.1	-43.1	518.9	30			2.27	39.14	4201	TELANGANA		4201	TS_SPDCL		
TO 424045	CHOUTUPPAL 400.00	Q2	517.1	-43.1	518.9	30			2.27	39.14	4201	TELANGANA		4201	TS_SPDCL		
TO 424046	DAMARACHERLA400.00	Q1	292.3	20.4	293.0	17			0.04	0.68	4201	TELANGANA		4201	TS_SPDCL		
TO 424046	DAMARACHERLA400.00	Q2	292.3	20.4	293.0	17			0.04	0.68	4201	TELANGANA		4201	TS_SPDCL		
BUS 424045	CHOUTUPPAL 400.00	CKT	MW	MVAR	MVA	% 0.9998PU	-24.96	X---	LOSSES	---	X----	AREA	-----X	X----	ZONE	-----X	424045
						399.93KV			MW	MVAR	4201	TELANGANA		4201	TS_SPDCL		
TO 422145	CHOUTUPPAL 220.00	1	247.4	51.7	252.8	51 1.0000LK			0.80	15.98	4201	TELANGANA		4201	TS_SPDCL		
TO 422145	CHOUTUPPAL 220.00	2	247.4	51.7	252.8	51 1.0000LK			0.80	15.98	4201	TELANGANA		4201	TS_SPDCL		
TO 424004	KHAMMAM 400.00	T1	-55.0	-57.1	79.3	9			0.08	0.89	4201	TELANGANA		4203	TS_NPDCL		
TO 424004	KHAMMAM 400.00	T2	-55.0	-57.1	79.3	9			0.08	0.89	4201	TELANGANA		4203	TS_NPDCL		
TO 424006	MAMIDIPALLI 400.00	T1	322.4	-9.0	322.5	38			1.29	13.82	4201	TELANGANA		4201	TS_SPDCL		
TO 424006	MAMIDIPALLI 400.00	T2	322.4	-9.0	322.5	38			1.29	13.82	4201	TELANGANA		4201	TS_SPDCL		
TO 424044	YADADRI TPP 400.00	Q1	-514.8	14.4	515.0	30			2.27	39.14	4201	TELANGANA		4201	TS_SPDCL		
TO 424044	YADADRI TPP 400.00	Q2	-514.8	14.4	515.0	30			2.27	39.14	4201	TELANGANA		4201	TS_SPDCL		

BUS 424046	DAMARACHERLA	400.00	CKT	MW	MVAR	MVA	% 0.9997PU	-20.75	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424046
							399.88KV			MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 422146	DAMARACHERLA	220.00	1	292.3	23.4	293.2	59 1.0000LK			1.08	21.50	4201	TELANGANA	4201	TS_SPDCL	
TO 422146	DAMARACHERLA	220.00	2	292.3	23.4	293.2	59 1.0000LK			1.08	21.50	4201	TELANGANA	4201	TS_SPDCL	
TO 424044	YADADRI TPP	400.00	Q1	-292.3	-23.4	293.2	17			0.04	0.68	4201	TELANGANA	4201	TS_SPDCL	
TO 424044	YADADRI TPP	400.00	Q2	-292.3	-23.4	293.2	17			0.04	0.68	4201	TELANGANA	4201	TS_SPDCL	
BUS 424047	I-STEELPLANT	400.00	CKT	MW	MVAR	MVA	% 0.9951PU	-24.90	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424047
							398.03KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL	
TO 422152	I-STEELPLANT	220.00	1	200.1	77.6	214.6	43 1.0000LK			0.58	11.63	4201	TELANGANA	4203	TS_NPDCL	
TO 422152	I-STEELPLANT	220.00	2	200.1	77.6	214.6	43 1.0000LK			0.58	11.63	4201	TELANGANA	4203	TS_NPDCL	
TO 424023	JULURPADU	400.00	Q1	-200.1	-77.6	214.6	13			0.20	3.48	4201	TELANGANA	4201	TS_SPDCL	
TO 424023	JULURPADU	400.00	Q2	-200.1	-77.6	214.6	13			0.20	3.48	4201	TELANGANA	4201	TS_SPDCL	
BUS 424048	VELGATOOR	400.00	CKT	MW	MVAR	MVA	% 0.9935PU	-26.83	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424048
							397.40KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				290.0	0.0	290.0										
TO SHUNT				0.0	111.9	111.9										
TO 424049	NAMAPUR	400.00	Q1	181.8	-16.6	182.6	11			0.09	1.54	4201	TELANGANA	4205	TS_LIS	
TO 424049	NAMAPUR	400.00	Q2	181.8	-16.6	182.6	11			0.09	1.54	4201	TELANGANA	4205	TS_LIS	
TO 424051	KACHAPUR-B	400.00	Q1	-326.8	-39.3	329.2	19			0.35	6.03	4201	TELANGANA	4205	TS_LIS	
TO 424051	KACHAPUR-B	400.00	Q2	-326.8	-39.3	329.2	19			0.35	6.03	4201	TELANGANA	4205	TS_LIS	
BUS 424049	NAMAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9933PU	-27.31	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424049
							397.33KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				220.8	0.0	220.8										
TO SHUNT				0.0	111.9	111.9										
TO 424048	VELGATOOR	400.00	Q1	-181.7	-2.8	181.7	11			0.09	1.54	4201	TELANGANA	4205	TS_LIS	
TO 424048	VELGATOOR	400.00	Q2	-181.7	-2.8	181.7	11			0.09	1.54	4201	TELANGANA	4205	TS_LIS	
TO 424050	KACHAPUR-A	400.00	Q1	71.3	-53.1	88.9	5			0.02	0.35	4201	TELANGANA	4205	TS_LIS	
TO 424050	KACHAPUR-A	400.00	Q2	71.3	-53.1	88.9	5			0.02	0.35	4201	TELANGANA	4205	TS_LIS	
BUS 424050	KACHAPUR-A	400.00	CKT	MW	MVAR	MVA	% 0.9952PU	-27.53	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424050
							398.09KV			MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO SHUNT				0.0	112.3	112.3										
TO 424008	GAJWEL	400.00	Q1	179.4	-20.1	180.5	11			0.17	2.88	4201	TELANGANA	4201	TS_SPDCL	
TO 424008	GAJWEL	400.00	Q2	179.4	-20.1	180.5	11			0.17	2.88	4201	TELANGANA	4201	TS_SPDCL	
TO 424015	SINGARENI	400.00	Q1	-101.2	-61.4	118.4	7			0.12	1.99	4201	TELANGANA	4203	TS_NPDCL	
TO 424015	SINGARENI	400.00	Q2	-101.2	-61.4	118.4	7			0.12	1.99	4201	TELANGANA	4203	TS_NPDCL	
TO 424025	RAMADUGU	400.00	Q1	-7.0	-4.9	8.5	1			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL	
TO 424025	RAMADUGU	400.00	Q2	-7.0	-4.9	8.5	1			0.00	0.00	4201	TELANGANA	4201	TS_SPDCL	
TO 424049	NAMAPUR	400.00	Q1	-71.3	30.3	77.5	5			0.02	0.35	4201	TELANGANA	4205	TS_LIS	
TO 424049	NAMAPUR	400.00	Q2	-71.3	30.3	77.5	5			0.02	0.35	4201	TELANGANA	4205	TS_LIS	

BUS 424051	KACHAPUR-B	400.00	CKT	MW	MVAR	MVA	% 0.9962PU 398.48KV	-25.78	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424051
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO SHUNT				0.0	112.5	112.5										
TO 424017	NARSARPUR	400.00	Q1	251.3	-45.9	255.5	15			0.73	12.59	4201	TELANGANA	4201	TS_SPDCL	
TO 424017	NARSARPUR	400.00	Q2	251.3	-45.9	255.5	15			0.73	12.59	4201	TELANGANA	4201	TS_SPDCL	
TO 424036	TSTPP_NTPC	400.00	Q1	-578.5	-30.3	579.2	34			1.24	21.35	4201	TELANGANA	4203	TS_NPDCL	
TO 424036	TSTPP_NTPC	400.00	Q2	-578.5	-30.3	579.2	34			1.24	21.35	4201	TELANGANA	4203	TS_NPDCL	
TO 424048	VELGATOOR	400.00	Q1	327.2	20.0	327.8	19			0.35	6.03	4201	TELANGANA	4205	TS_LIS	
TO 424048	VELGATOOR	400.00	Q2	327.2	20.0	327.8	19			0.35	6.03	4201	TELANGANA	4205	TS_LIS	
BUS 424052	YELLAI[PALLY	400.00	CKT	MW	MVAR	MVA	% 0.9993PU 399.71KV	-28.15	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424052
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				300.0	0.0	300.0										
TO 424031	CHANDULAPUR	400.00	Q1	-150.0	-0.0	150.0	9			0.02	0.36	4201	TELANGANA	4205	TS_LIS	
TO 424031	CHANDULAPUR	400.00	Q2	-150.0	-0.0	150.0	9			0.02	0.36	4201	TELANGANA	4205	TS_LIS	
BUS 424053	VELJIPUR	400.00	CKT	MW	MVAR	MVA	% 0.9988PU 399.52KV	-27.83	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424053
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				200.0	0.0	200.0										
TO 424033	TIPPAPUR	400.00	Q1	-100.0	0.0	100.0	6			0.01	0.08	4201	TELANGANA	4201	TS_SPDCL	
TO 424033	TIPPAPUR	400.00	Q2	-100.0	0.0	100.0	6			0.01	0.08	4201	TELANGANA	4201	TS_SPDCL	
BUS 424054	NEW TUKKAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9964PU 398.57KV	-28.46	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424054
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				144.0	0.0	144.0										
TO 424032	TUKKAPUR	400.00	T1	-72.0	-0.0	72.0	8			0.00	0.01	4201	TELANGANA	4201	TS_SPDCL	
TO 424032	TUKKAPUR	400.00	T2	-72.0	-0.0	72.0	8			0.00	0.01	4201	TELANGANA	4201	TS_SPDCL	
BUS 424055	ANNARAM	400.00	CKT	MW	MVAR	MVA	% 0.9985PU 399.41KV	-26.80	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424055
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO SHUNT				0.0	113.0	113.0										
TO 422157	ANNARAM 4	220.00	1	129.2	-9.6	129.6	26 1.0000LK			0.21	4.21	4201	TELANGANA	4205	TS_LIS	
TO 422157	ANNARAM 4	220.00	2	129.2	-9.6	129.6	26 1.0000LK			0.21	4.21	4201	TELANGANA	4205	TS_LIS	
TO 422157	ANNARAM 4	220.00	3	129.2	-9.6	129.6	26 1.0000LK			0.21	4.21	4201	TELANGANA	4205	TS_LIS	
TO 424015	SINGARENI	400.00	Q1	-193.8	-42.1	198.4	12			0.07	1.23	4201	TELANGANA	4203	TS_NPDCL	
TO 424015	SINGARENI	400.00	Q2	-193.8	-42.1	198.4	12			0.07	1.23	4201	TELANGANA	4203	TS_NPDCL	
BUS 424056	NARLAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9940PU 397.60KV	-27.12	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424056
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				522.0	0.0	522.0										
TO SHUNT				0.0	112.0	112.0										
TO 424057	YEDULA	400.00	Q1	-261.0	-56.0	266.9	16			0.18	3.11	4201	TELANGANA	4205	TS_LIS	
TO 424057	YEDULA	400.00	Q2	-261.0	-56.0	266.9	16			0.18	3.11	4201	TELANGANA	4205	TS_LIS	

BUS 424057	YEDULA	400.00	CKT	MW	MVAR	MVA	% 0.9968PU 398.71KV	-26.46	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424057
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				580.0	0.0	580.0										
TO SHUNT				0.0	112.6	112.6										
TO 424001	VELTOOR	400.00	Q1	-565.3	-68.9	569.5	33			1.39	24.02	4201	TELANGANA	4201	TS_SPDCL	
TO 424001	VELTOOR	400.00	Q2	-565.3	-68.9	569.5	33			1.39	24.02	4201	TELANGANA	4201	TS_SPDCL	
TO 424019	DINDI	400.00	Q1	-320.4	-26.4	321.5	19			0.52	9.05	4201	TELANGANA	4201	TS_SPDCL	
TO 424019	DINDI	400.00	Q2	-320.4	-26.4	321.5	19			0.52	9.05	4201	TELANGANA	4201	TS_SPDCL	
TO 424056	NARLAPUR	400.00	Q1	261.2	39.0	264.1	16			0.18	3.11	4201	TELANGANA	4205	TS_LIS	
TO 424056	NARLAPUR	400.00	Q2	261.2	39.0	264.1	16			0.18	3.11	4201	TELANGANA	4205	TS_LIS	
TO 424058	VATTEM	400.00	Q1	334.6	-0.0	334.6	20			0.31	5.42	4201	TELANGANA	4205	TS_LIS	
TO 424058	VATTEM	400.00	Q2	334.6	-0.0	334.6	20			0.31	5.42	4201	TELANGANA	4205	TS_LIS	
BUS 424058	VATTEM	400.00	CKT	MW	MVAR	MVA	% 0.9954PU 398.17KV	-27.39	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424058
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				580.0	0.0	580.0										
TO SHUNT				0.0	112.3	112.3										
TO 424057	YEDULA	400.00	Q1	-334.2	-16.6	334.7	20			0.31	5.42	4201	TELANGANA	4205	TS_LIS	
TO 424057	YEDULA	400.00	Q2	-334.2	-16.6	334.7	20			0.31	5.42	4201	TELANGANA	4205	TS_LIS	
TO 424059	UDDANDAPUR	400.00	Q1	44.2	-39.5	59.3	3			0.01	0.15	4201	TELANGANA	4205	TS_LIS	
TO 424059	UDDANDAPUR	400.00	Q2	44.2	-39.5	59.3	3			0.01	0.15	4201	TELANGANA	4205	TS_LIS	
BUS 424059	UDDANDAPUR	400.00	CKT	MW	MVAR	MVA	% 0.9968PU 398.71KV	-27.53	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424059
										MW	MVAR	4201	TELANGANA	4205	TS_LIS	
TO LOAD-PQ				348.0	0.0	348.0										
TO SHUNT				0.0	112.6	112.6										
TO 424022	MAH SEC-A	400.00	Q1	-129.8	-71.2	148.0	9			0.11	1.85	4201	TELANGANA	4201	TS_SPDCL	
TO 424022	MAH SEC-A	400.00	Q2	-129.8	-71.2	148.0	9			0.11	1.85	4201	TELANGANA	4201	TS_SPDCL	
TO 424058	VATTEM	400.00	Q1	-44.2	14.9	46.7	3			0.01	0.15	4201	TELANGANA	4205	TS_LIS	
TO 424058	VATTEM	400.00	Q2	-44.2	14.9	46.7	3			0.01	0.15	4201	TELANGANA	4205	TS_LIS	
BUS 424060	MAH SEC-B	400.00	CKT	MW	MVAR	MVA	% 0.9968PU 398.74KV	-27.15	X---	LOSSES	---X	X----	AREA -----X	X----	ZONE -----X	424060
										MW	MVAR	4201	TELANGANA	4201	TS_SPDCL	
TO 424006	MAMIDIPALLI	400.00	T1	105.5	19.1	107.3	13			0.06	0.54	4201	TELANGANA	4201	TS_SPDCL	
TO 424006	MAMIDIPALLI	400.00	T2	105.5	19.1	107.3	13			0.06	0.54	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	T1	243.9	-20.6	244.7	29			0.91	9.67	4201	TELANGANA	4201	TS_SPDCL	
TO 424013	SHANKARPALLI	400.00	T2	243.9	-20.6	244.7	29			0.91	9.67	4201	TELANGANA	4201	TS_SPDCL	
TO 424019	DINDI	400.00	T1	-349.4	1.5	349.4	41			1.39	13.99	4201	TELANGANA	4201	TS_SPDCL	
TO 424019	DINDI	400.00	T2	-349.4	1.5	349.4	41			1.39	13.99	4201	TELANGANA	4201	TS_SPDCL	

BUS 424061	WARANGAL NEW400.00 CKT	MW	MVAR	MVA	% 1.0174PU	-23.75	X---	LOSSES	---	X---	AREA	---	X---	ZONE	---	X 424061
					406.95KV			MW	MVAR	4201	TELANGANA	4203	TS_NPDCL			
TO 424010	WARANGAL 400.00 Q1	229.9	111.6	255.6	15			0.27	4.77	4201	TELANGANA	4203	TS_NPDCL			
TO 424010	WARANGAL 400.00 Q2	229.9	111.6	255.6	15			0.27	4.77	4201	TELANGANA	4203	TS_NPDCL			
TO 427003	WARANGAL 765.00 1	-229.9	-111.6	255.6	17	1.0000UN		0.00	5.26	4201	TELANGANA	4203	TS_NPDCL			
TO 427003	WARANGAL 765.00 2	-229.9	-111.6	255.6	17	1.0000UN		0.00	5.26	4201	TELANGANA	4203	TS_NPDCL			
BUS 424002	RSTPS NTPC 400.00 CKT	MW	MVAR	MVA	% 1.0000PU	-23.54	X---	LOSSES	---	X---	AREA	---	X---	ZONE	---	X 424002
FROM GENERATION		2210.0	-260.0L	2225.2	73	400.01KV		MW	MVAR	4202	RGM-TPS	4202	RGM-TPS			
TO SWITCHED SHUNT		0.0	-0.0	0.0												
TO 414007	TALLAPALLI 400.00 T1	-4.7	-49.7	49.9	6			0.02	0.25	4801	SR_ISTS_AP	4101	ANDRAPRADESH			
TO 414007	TALLAPALLI 400.00 T2	-4.7	-49.7	49.9	6			0.02	0.25	4801	SR_ISTS_AP	4101	ANDRAPRADESH			
TO 421054	RAMGUTPC 132.00 1	177.1	26.0	179.0	89	1.0000LK		0.80	20.01	4201	TELANGANA	4203	TS_NPDCL			
TO 422010	RAMGUTPC 220.00 2	172.1	20.3	173.3	69	1.0000LK		0.59	15.02	4201	TELANGANA	4203	TS_NPDCL			
TO 422010	RAMGUTPC 220.00 3	172.1	20.3	173.3	69	1.0000LK		0.59	15.02	4201	TELANGANA	4203	TS_NPDCL			
TO 422034	NTPC 220 BUS220.00 4	218.6	23.7	219.9	70	1.0000LK		0.96	19.18	4201	TELANGANA	4203	TS_NPDCL			
TO 422034	NTPC 220 BUS220.00 5	218.6	23.7	219.9	70	1.0000LK		0.96	19.18	4201	TELANGANA	4203	TS_NPDCL			
TO 424003	GHANAPUR 400.00 T3	177.0	-71.0	190.7	22			1.18	13.18	4201	TELANGANA	4201	TS_SPDCL			
TO 424003	GHANAPUR 400.00 T4	177.0	-71.0	190.7	22			1.18	13.18	4201	TELANGANA	4201	TS_SPDCL			
TO 424007	DICHIPALLI 400.00 T1	188.6	-97.6	212.3	25			1.07	11.90	4201	TELANGANA	4203	TS_NPDCL			
TO 424008	GAJWEL 400.00 T1	304.5	-31.8	306.1	36			2.33	25.98	4201	TELANGANA	4201	TS_SPDCL			
TO 424010	WARANGAL 400.00 T1	90.3	-71.5	115.2	14			0.19	2.07	4201	TELANGANA	4203	TS_NPDCL			
TO 424011	MALKARAM 400.00 T1	241.5	-54.9	247.7	29			2.16	22.69	4201	TELANGANA	4201	TS_SPDCL			
TO 424014	BHADRAWATHI 400.00 T1	-488.5	89.7	496.7	58			8.54	95.05	4802	SR_ISTS_TS	4001	SR-IR			
TO 424014	BHADRAWATHI 400.00 T2	-488.5	89.7	496.7	58			8.54	95.05	4802	SR_ISTS_TS	4001	SR-IR			
TO 424036	TSTPP_NTPC 400.00 Q1	529.5	-28.1	530.3	31			0.08	1.33	4201	TELANGANA	4203	TS_NPDCL			
TO 424036	TSTPP_NTPC 400.00 Q2	529.5	-28.1	530.3	31			0.08	1.33	4201	TELANGANA	4203	TS_NPDCL			

Note:

- The line loadings and transformer loadings at 220kV & 400kV voltage levels are within prescribed limits.
- The Bus Voltages at 220kV & 400kV voltage levels are within planning limits.

Annexure - II(c)

Voltage Violations Report

400kV

BUSES WITH VOLTAGE GREATER THAN 1.0300:

BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)	BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)
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* NONE *

BUSES WITH VOLTAGE LESS THAN 0.9700:

BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)	BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)
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* NONE *

220kV

BUSES WITH VOLTAGE GREATER THAN 1.0900:

BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)	BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)
----------	-----	------	-----	-------	------	-------	-------	----------	-----	------	-----	-------	------	-------	-------

* NONE *

BUSES WITH VOLTAGE LESS THAN 0.9200:

BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)	BUS#-SCT	X--	NAME	--X	BASKV	AREA	V(PU)	V(KV)
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* NONE *

Annexure-III

Short Circuit Levels

Bus No	Bus Name	3-Phase Fault Current (kA)
422001	[TANDUR 220.00]	3.48
422002	[CHNDRYNGUTTA220.00]	32.89
422003	[GHANAPUR 220.00]	30.53
422004	[HWP 220.00]	14.57
422005	[KTPS-ABC 220.00]	38.52
422006	[MIRYALAGUDA 220.00]	29.32
422007	[MANUGURU 220.00]	17.53
422008	[NGRJNA SAGAR220.00]	38.93
422009	[RSS 220KV SS220.00]	37.68
422010	[RAMGUTPC 220.00]	36.18
422011	[SHAPURNGR 220.00]	36.8
422012	[STRMPTNM 220.00]	29.98
422013	[WARANGAL 220.00]	21.9
422014	[YEDUMRAM 220.00]	28.62
422015	[DICHPALLY220220.00]	28.83
422016	[DCPL 220 BUS220.00]	29.9
422017	[GACIBWLI 220.00]	39.51
422018	[KALWAKURTHY 220.00]	23.02
422019	[MBNR 220KVSS220.00]	22.13
422020	[MOULALI 220.00]	20.42
422021	[DURSHED 220.00]	18.83
422022	[SIDDIPET 220.00]	17.16
422023	[BPD 220KV SS220.00]	43.18
422024	[MALKARAM 220.00]	41.21
422025	[NIRMAL 220.00]	18.63
422026	[NKP 220KVSS 220.00]	16.53
422027	[BHONGIR 220.00]	20.26
422028	[WKP 220KV SS220.00]	23.31
422029	[MEDCHAL 220.00]	27.61
422030	[MINPUR 220.00]	17.9
422031	[MMP 220 BUS 220.00]	45.76
422032	[BHEEMGAL 220.00]	12.99
422033	[DINDI SS 220.00]	37.28
422034	[NTPC 220 BUS220.00]	37.05
422035	[CHALAKURTHY 220.00]	32.1
422036	[JAGTYALA 220.00]	16.15
422037	[HIAL 220.00]	41.41
422038	[PUTTAMGANDI 220.00]	14.19
422039	[SIVARAMPALLI220.00]	32.73
422040	[NAGARAM 220.00]	30.26
422041	[GJWL 220 BUS220.00]	37.3
422042	[BHIMGANAPUR 220.00]	10.05
422043	[GANGARAM 220.00]	6.02
422044	[PULAKURTHY 220.00]	25.84

422045	[KAMAREDDY 220.00]	10
422046	[WANAPARTHY 220.00]	24.92
422047	[SHAMSHABAD 220.00]	23.68
422048	[SHADNAGAR 220.00]	16.37
422049	[VLT 220 BUS 220.00]	39.34
422050	[UPPER JURALA220.00]	19.74
422051	[KMPALLY 220.00]	21.6
422052	[OGLAPUR 220.00]	31.34
422053	[SALIVAGU 220.00]	16.63
422054	[SHANKARPALLY220.00]	40.5
422055	[MANDAMARRI 220.00]	12.46
422056	[MEDARAM 220.00]	15.62
422057	[VEMANOOR 220.00]	12.3
422058	[GUNROCK 220.00]	27.89
422059	[NBEIL 220.00]	9.41
422060	[JURLA-SS 220.00]	20.46
422061	[LOWER JURALA220.00]	20.02
422063	[SADASIVPET 220.00]	17.01
422064	[MALLARAM 220.00]	9.83
422065	[BOMMAKAL 220.00]	4.16
422066	[OSMANIA 220.00]	15.52
422067	[KONDAPAKKA 220.00]	10.87
422068	[BONGLUR 220.00]	26.69
422069	[NETTEMPADU 220.00]	15.78
422070	[REGIMANUGADD220.00]	10.14
422071	[FABCITY 220.00]	37.88
422072	[ERRAGADDA 220.00]	23.91
422073	[MIYAPUR 220.00]	24.24
422074	[SURYAPET 220.00]	40.69
422075	[NAGOLE 220.00]	16.69
422076	[HAYATHNAGAR 220.00]	15.78
422077	[MANTHANI 220.00]	16.22
422078	[MURMUR 220.00]	15.52
422079	[PULIYATHANDA220.00]	14.19
422080	[SINGOTTAM 220.00]	10.63
422081	[GPGATTU 220.00]	12.72
422082	[JBOGUDA 220.00]	9.83
422083	[PARIGI 220KV220.00]	12.39
422084	[KOSIGI 220.00]	7.74
422085	[KTPS-V 220.00]	38.73
422086	[NETTEMPADU-2220.00]	13.93
422087	[SITAPURAM 220.00]	17.26
422088	[PULICHINTALA220.00]	19.36
422089	[SIRICILLA 220.00]	9.98
422090	[AKSHAY_VLT 220.00]	18.8
422091	[IMLIBUN GIS 220.00]	25.19
422092	[POCHARAM 220.00]	22.05
422093	[NARSARPUR 220.00]	24.42

422094	[RENEW_DCPL 220.00]	12.07
422095	[RENEW_MNP 220.00]	10.19
422096	[THIMMAJIPET 220.00]	25.29
422097	[TRANFRM_VLT220.00]	30.98
422098	[MAHES_220 220.00]	36.63
422099	[HUZURABAD 220.00]	12.02
422100	[SUZLON_VLT 220.00]	19.07
422101	[YELLUR 220.00]	9.19
422102	[GOURIDEVPALL220.00]	11.49
422103	[RENEW_VLT_2 220.00]	18.15
422104	[JULURPADU2 220.00]	13.88
422105	[AZURE_SOLAR 220.00]	13.58
422106	[MAHABUBAD 220.00]	16.56
422107	[ASUPAKA 220.00]	13.14
422108	[ASHWARAOPET 220.00]	9.38
422109	[UDAYASAMUDRA220.00]	11.07
422110	[MADGULA 220.00]	13.12
422111	[NIRMAL_NEW 220.00]	20.05
422112	[KALLUR 220.00]	8.17
422113	[MEDIGADDA 220.00]	13.4
422114	[ANNARAM 220.00]	21.5
422115	[SUNDILLA 220.00]	21.29
422116	[KETHIREDDYPA220.00]	26.91
422117	[HUZURNAGAR 220.00]	17.9
422118	[NAGARKURNOOL220.00]	12.32
422119	[PEDDAGOPATHI220.00]	8.94
422120	[DOMALAPENTA 220.00]	34.54
422121	[MINAJIPET 220.00]	12.74
422122	[RFCL 220.00]	14.7
422123	[JANGOAN 220.00]	35.17
422124	[JANGOAN_NEW 220.00]	29.51
422125	[RAMPUR_LIS 220.00]	17.5
422126	[RAJESWARAPET220.00]	5.98
422127	[BANSWADA 220.00]	8.03
422128	[RAMADUGU_220220.00]	29.39
422129	[KAMALAPUR 220.00]	23.28
422130	[VK RAMAVARAM220.00]	23.85
422131	[CHANCHALGUDA220.00]	26.57
422132	[RENJAL 220.00]	8.76
422133	[MUPPKAL 220.00]	10.82
422134	[CHEGUR 220.00]	22.37
422135	[AKKARAM 220.00]	28.7
422136	[MARKOOK 220.00]	20.27
422137	[BGKOTHUR 220.00]	19.35
422138	[BTPS 220.00]	14.28
422139	[DURSHED-2 220.00]	15.61
422140	[ANNARAM-LIS 220.00]	21.5
422141	[MEDIGADDA_LI220.00]	13.4

422142	[SUNDILLA_LIS220.00]	21.29
422143	[INDRAVELLI 220.00]	6.22
422144	[RAIDURG 220.00]	41.16
422145	[CHOUTUPPAL 220.00]	26.03
422146	[DAMARACHERLA220.00]	31.4
422147	[KTPP 220.00]	25.59
422148	[HUSNABAD 220.00]	10.16
422149	[AMMAVARIPET 220.00]	7.29
422150	[BORAMPET 220.00]	6.16
422151	[KATHALAPUR 220.00]	8.75
422152	[I-STEELPLANT220.00]	13.02
422153	[KOLLUR 220.00]	27.44
422154	[SAINIKPURI 220.00]	15.91
422155	[KACHA SINGAR220.00]	25.55
422156	[RC PURAM 220.00]	27.08
422157	[ANNARAM 4 220.00]	21.6
422158	[DEVANNAPET 220.00]	11.23
422159	[YACHARAM THA220.00]	13.44
422160	[MANCHIPPA 220.00]	13.38
422161	[CHELMEDA 220.00]	14.69
422162	[BORANCHA 220.00]	12.35
422163	[POKKUR 220.00]	9.97
422164	[MENTRAJPALLY220.00]	15.51
424001	[VELTOOR 400.00]	43.57
424003	[GHANAPUR 400.00]	39.78
424004	[KHAMMAM 400.00]	40.58
424005	[SRISAILAML 400.00]	22.06
424006	[MAMIDIPALLI 400.00]	38.39
424007	[DICHIPALLI 400.00]	43.32
424008	[GAJWEL 400.00]	43.81
424009	[KAKATIYA TPS400.00]	30.82
424010	[WARANGAL 400.00]	36.66
424011	[MALKARAM 400.00]	25.44
424012	[KTPS-VI 400.00]	30.66
424013	[SHANKARPALLI400.00]	38.17
424015	[SINGARENI 400.00]	23.38
424016	[SURYAPET 400.00]	33.27
424017	[NARSARPUR 400.00]	39.91
424018	[NIZAMABAD 400.00]	46.22
424019	[DINDI 400.00]	43.83
424020	[ASUPAKA 400.00]	8.95
424021	[MHSWRM-PG 400.00]	50.03
424022	[MAH SEC-A 400.00]	32.61
424023	[JULURPADU 400.00]	35.92
424024	[KTPS-VII 400.00]	33.65
424025	[RAMADUGU 400.00]	45.72
424026	[SUNDILLA 400.00]	21.12
424027	[NIRMAL 400.00]	25.08

424028	[MEDARAM 400.00]	30.44
424029	[KETIREDDYPAL400.00]	27.52
424030	[BTPS 400.00]	17.63
424031	[CHANDULAPUR 400.00]	47.28
424032	[TUKKAPUR 400.00]	34.34
424033	[TIPPAPUR 400.00]	44.86
424034	[JANGOAN 400.00]	34.94
424035	[KAMALAPUR 400.00]	21.18
424036	[TSTPP_NTPC 400.00]	58.74
424037	[RAMADUGU_LIS400.00]	45.72
424038	[CHANDULAPUR_400.00]	47.28
424039	[TUKKAPUR_LIS400.00]	34.34
424040	[TIPPAPUR_LIS400.00]	44.86
424042	[RAIDURG_GIS 400.00]	20.35
424044	[YADADRI TPP 400.00]	50.13
424045	[CHOUTUPPAL 400.00]	33.67
424046	[DAMARACHERLA400.00]	45.04
424047	[I-STEELPLANT400.00]	18.26
424048	[VELGATOOR 400.00]	31.06
424049	[NAMAPUR 400.00]	32.5
424050	[KACHAPUR-A 400.00]	44.13
424051	[KACHAPUR-B 400.00]	37.85
424052	[YELLAI[PALLY400.00]	37.73
424053	[VELJIPUR 400.00]	40.04
424054	[NEW TUKKAPUR400.00]	33.96
424055	[ANNARAM 400.00]	19.08
424056	[NARLAPUR 400.00]	24.4
424057	[YEDULA 400.00]	38.33
424058	[VATTEM 400.00]	29.44
424059	[UDDANDAPUR 400.00]	26.56
424060	[MAH SEC-B 400.00]	37.72
424061	[WARANGAL NEW400.00]	34.91
424002	[RSTPS NTPC 400.00]	59.79

Note

The short circuit levels at all 220kV & 400kV Buses are within prescribed limits as per CEA Transmission Planning Criteria 2023