

**ABSTARCT FOR THE TN PROJECT STUDY:**

SI. No	TRANSMISSION LINES	BASE CASE	CASE 1	CASE 2	CASE 3	CASE 4
<b>765KV LINES</b>		<b>16-17 year condition</b>	<b>16-17 year condition</b>	<b>16-17 year condition</b>	<b>18-19 year condition</b>	<b>18-19 year condition</b>
1	NORTH CHENNAI POOLING STATION - KILPENNATHUR 765KV DC LINE	-	1723	1722	3017	3016
2	KILPENNATHUR - COIMBATORE 765KV DC LINE	-	876	198	1319	677
3	KILPENNATHUR - THIRUVALAM 765KV DC LINE	-	299	2349	767	2749
4	KARAIKUDI - KILPENNATHUR 765KV DC LINE	-	55	1078	118	1155
5	UDANGUDI - KARAIKUDI 765KV DC LINE	-	1149	1149	1869	1869
6	NARENDRA - KOLHAPORE	1031	1694	2430	1626	2178
7	KURNOOL-THIRUVALAM 765KV DC LINE	880	-18	-1670	126	-1411
8	SHOLAPORE - RAICHUR	2013	779	-1026	844	-474
9	ANGUL - SRIKAKULAM	2097	933	-640	1038	-116
<b>400KV LINES</b>						
1	THERVOIKANDIGAI - KORATTUR 400KV SC LINE	-	375	373	352	326
2	THERVOIKANDIGAI -MANALI 400KV SC LINE	-	273	273	250	228
3	THERVOIKANDIGAI - PULIANTHOPE 400KV DC LINE	-	502	504	548	546
4	KARAIKUDI - TANJORE 400KV DC LINE	-	380	387	533	558
5	NELLORE - THIRUVALAM (DC)	778	524	142	530	256
6	NELLORE - SRIPERUMBUDUR (DC)	736	412	130	504	322
7	CHITTOOR - SRIPERUMBUDUR (SC)	70	-40	-39	37	59
8	THIRUVALAM - KOLAR (SC)	319	455	618	487	576
9	KOLAR - HOSUR (DC)	651	450	170	562	350
10	HOSUR - BANGALORE (SC)	74	157	261	114	185
11	SALEM - BANGALORE (DC)	284	478	794	444	692

CASE 1 : PHASE 1 PROJECTS (ETPS EXP -1X660MW + ENNORE SEZ-2X660 MW+UDANGUDI PHASE -1 -2X660MW +OPG PRIVATE CPP-2X360MW)

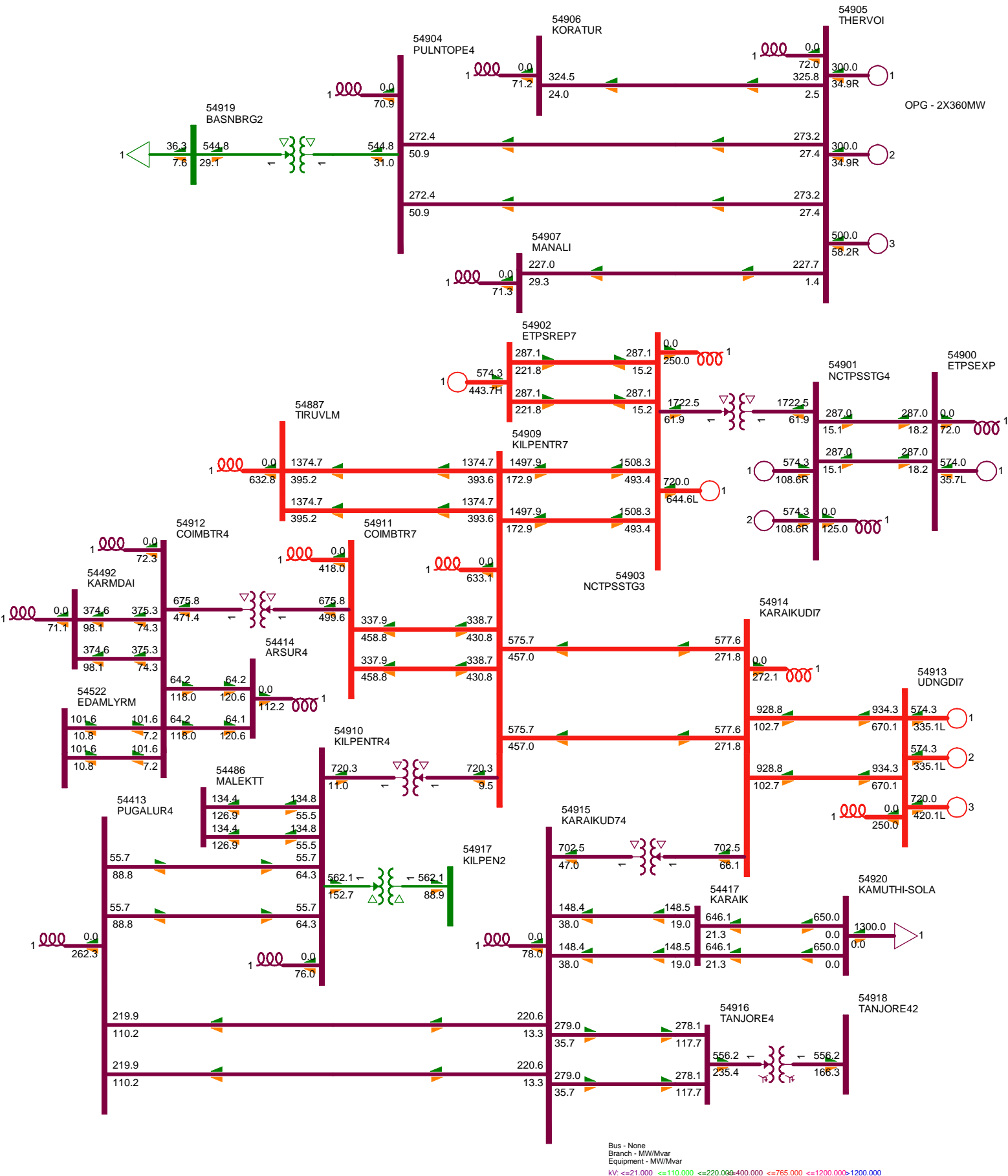
CASE 2 : CASE 1 + SOLAR INJECTION AT KAMUDHI 400 KV SS + WIND INJECTION OF 6200 MW .

CASE 3 : CASE 1 +PHASE 2 PROJECTS (NCTPS STAGE III - 1X800MW +ETPS REPL.-1X660MW+UDANGUDI PHASE 2 - 1X800MW)

CASE 4 : CASE 3 +SOLAL INJECTION OF 1300MW +WIND INJECTION OF 6200MW

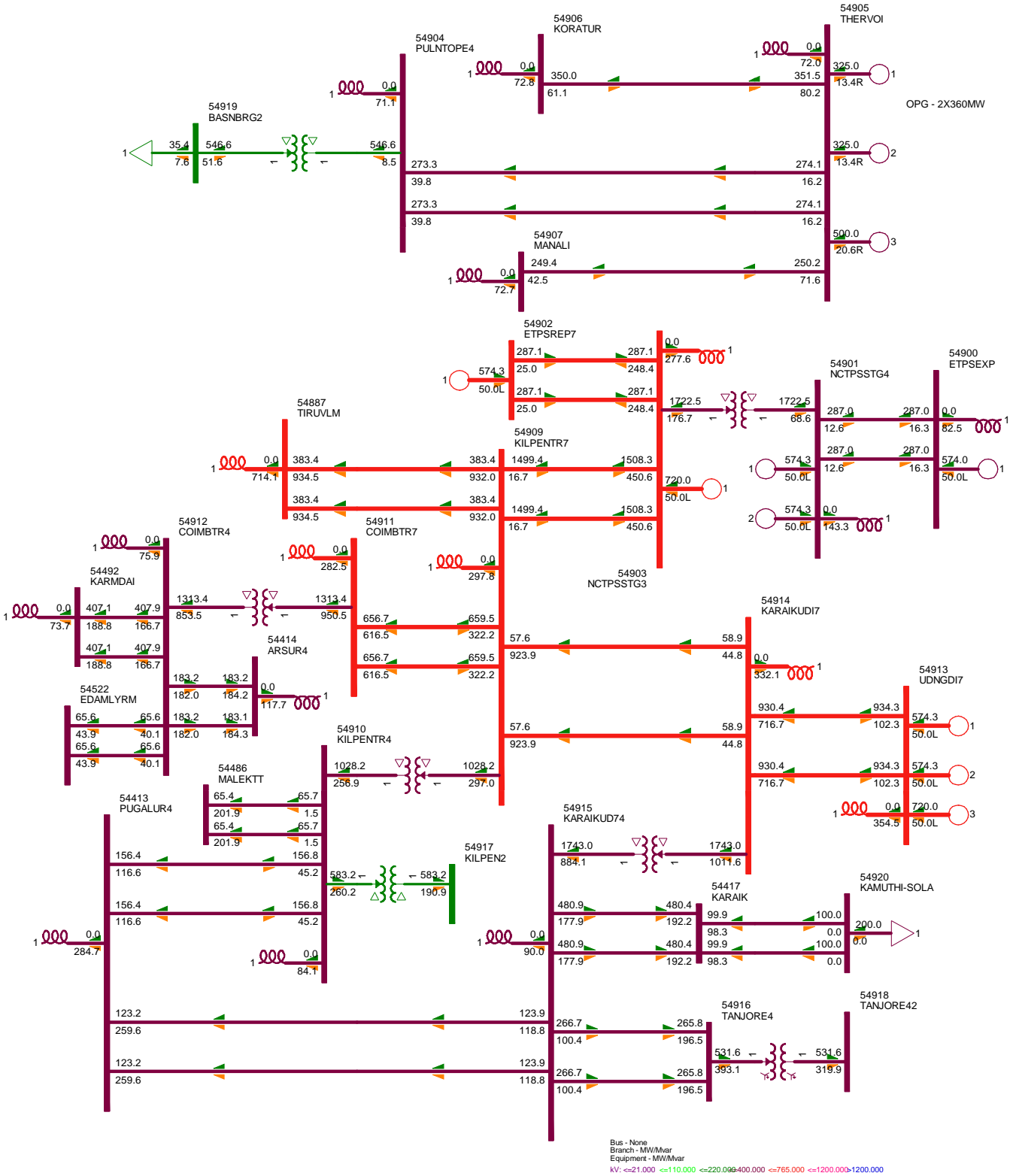
# TNEB STUDIES: 2018-19 YEAR CONDITION

## CASE 4 : CASE 3 + SOLAR INJECTION OF 1300MW + WIND INJECTION OF 6200MW



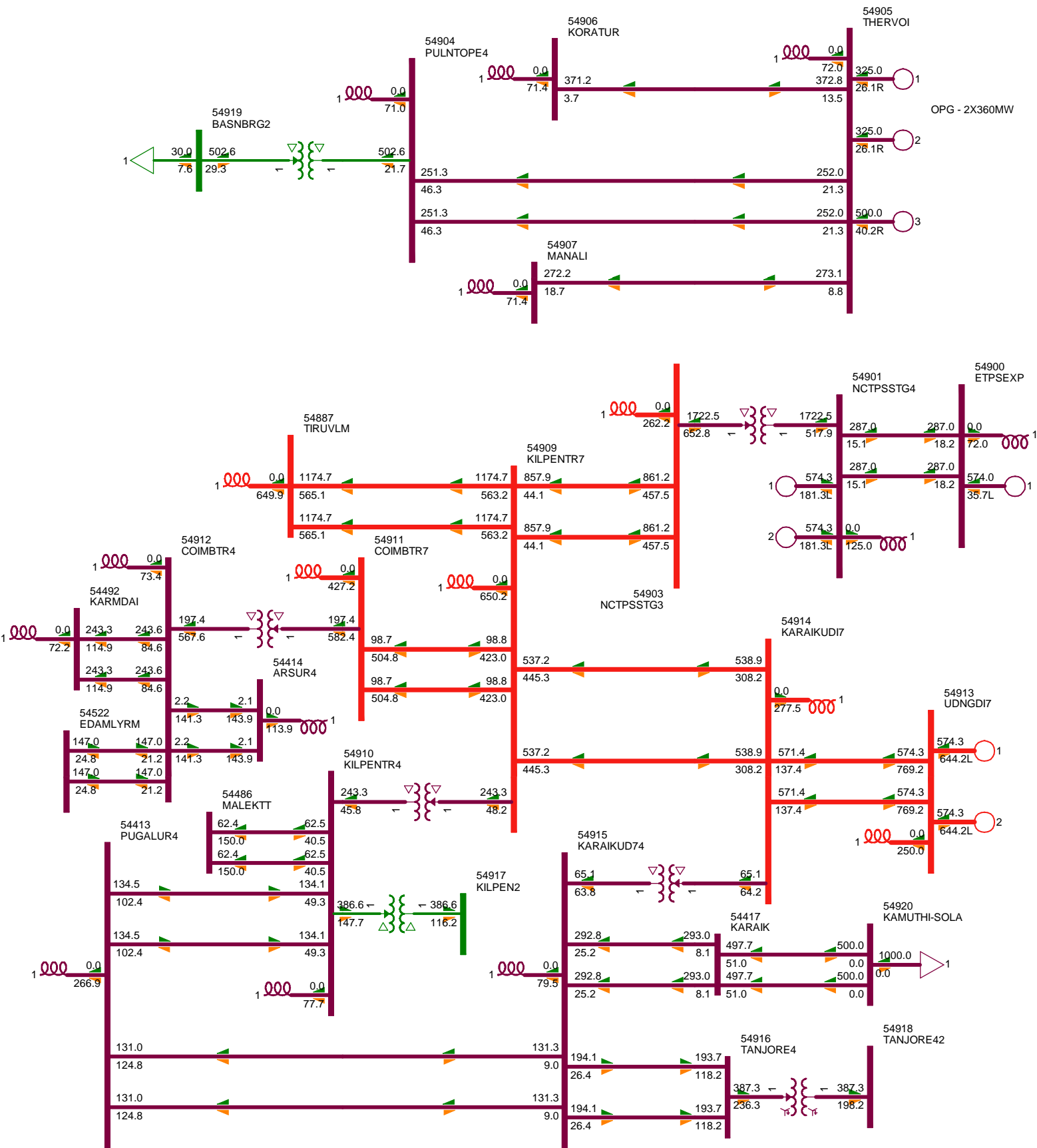
# TNEB STUDIES: 2018-19 YEAR CONDITION

CASE 3 : CASE 1 + PHASE 2 PROJECTS ( NCTPS STAGE III- 1X800MW + ETPS REPL. - 1X660MW + UDANGUDI PHASE 2 - 1X800MW)



# TNEB STUDIES: 2016-17 YEAR CONDITION

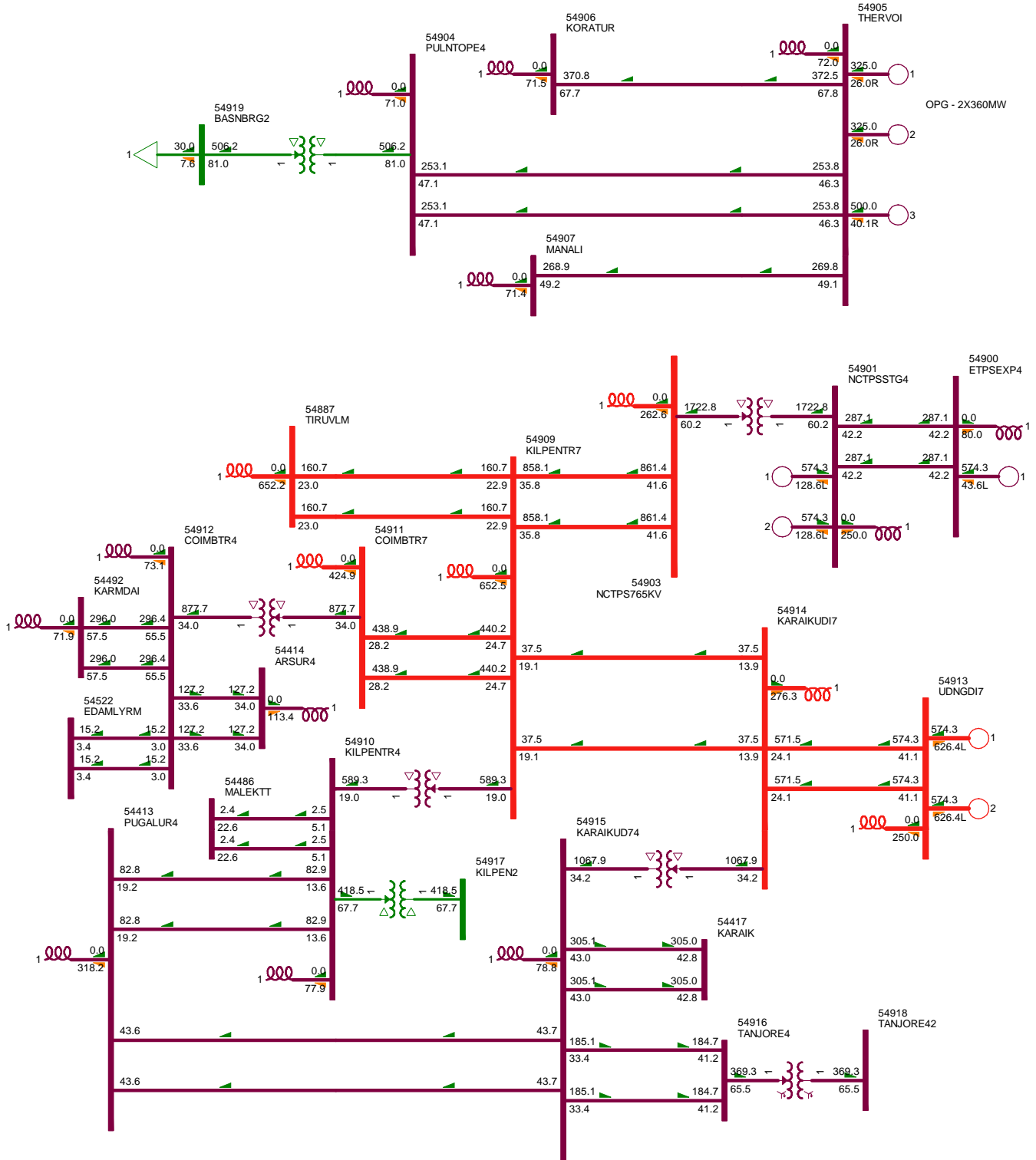
CASE 2 : CASE 1 + SOLAR INJECTION AT KAMUDHI 400KV SS + WIND INJECTION OF 6200MW



Bus - None  
 Branch - MW/Mvar  
 Equipment - MW/Mvar  
 kV: <=21.000 <=110.000 <=220.000-400.000 <=765.000 <=1200.000 >1200.000

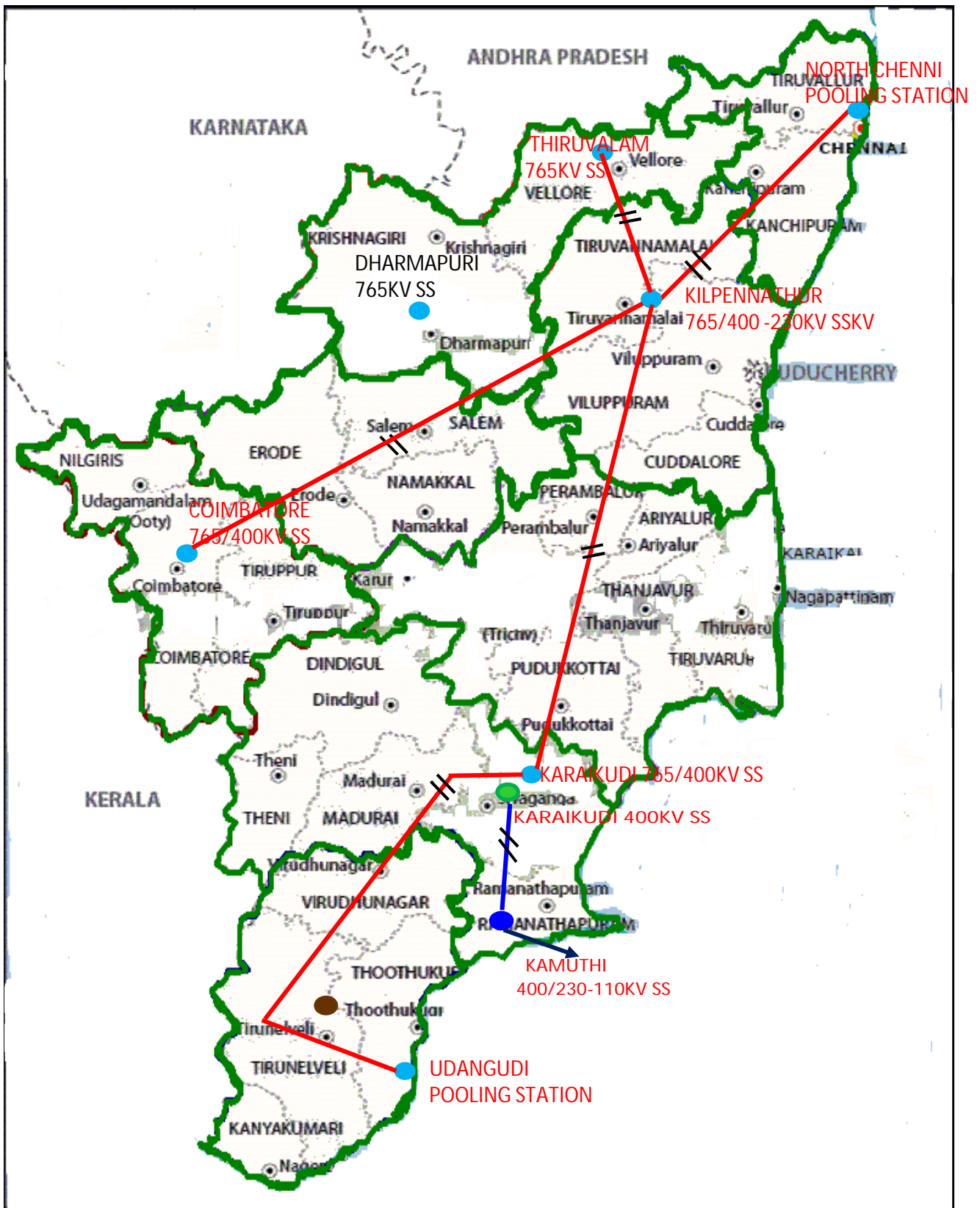
# TNEB STUDIES: 2016-17 YEAR CONDITION

CASE 1 : WITH ETPS EXP-1X660MW + ENNORE SEZ - 2X660MW + UDANGUDI PHASE -1 -2X660MW + OPG PRIVATE CPP -2X360MW  
(PHASE 1 - PROJECTS)



Bus - None  
Branch - MW/% Rate A  
Equipment - MW/Mvar  
KV: <=21.000 <=110.000 <=220.000 <=400.000 <=765.000 <=1200.000 <=1200.000

PROPOSAL FOR NORTH CHENNAI PROJECTS AND UDANGUDI PROJECTS



● 765KV SUBSTATIONS

— PROPOSED 765KV LINE

● PROPOSED 400KV TNEB SS

— PROPOSED 400KV LINE