ANNEXURE 10.3

SYSTEM WISE BALANCING-BASED ON THE DEVELOPMENT OF SOURCES

SYSTEM NAME	ZONES	2020								2025							
		DEMAND	KILPAUK WTP	REDHILLS WTP	CHEMBARAMBAKKAM WTP	SHOLAVARAM WTP	VEERANAM WTP	MINJUR DSP	NEMMELI/PERUR DSP	DEMAND	KILPAUK WTP	REDHILLS WTP	CHEMBARAMBAKKAM WTP	SHOLAVARAM WTP	VEERANAM WTP	MINJUR DSP	NEMMELI/PERUR DSP
KPS SYSTEM	1	166.87	166.87							169.95	169.95						
	2	46.76	46.76							47.93	47.93						
	3	45.68	45.68							46.46	46.46						
	4	31.27	31.27							31.42	31.42						
	15	26.08	26.08							25.97	25.97						
REDHILL SYSTEM	9	29.30		29.30						30.26		30.26					
	10	59.42						59.42		60.46		2.46				58.00	
	11	29.78		29.78						30.69		30.69					
	CC1-B	6.66		6.66						7.23		7.23					
	CC2	25.42		25.42						29.96		29.96					
	CC3	5.83		5.83						6.82		6.82					
	CC4	32.54		32.54						36.54		6.54			30.00		
	OC3	5.75		5.75						6.04		6.04					
	OC5A	27.28		27.28						33.50					33.50		
CHEMBARAMBAKKAM SYSTEM	8	83.90			42.46					85.38			85.38				
	CC5	33.65			33.65					37.76			37.76				
	CC6	25.31			25.31					27.98			27.98				
	OC6	12.52			12.52					14.41			14.41				
	OC7	13.37			13.37					15.66			15.66				
	OC8	16.08			16.08					18.67			18.67				
	OC9	13.67			13.67					14.99			14.99				
	OC10	8.20			8.20					9.55			9.55				
	OC11	8.16			8.16					8.86			8.86				
	OC12	9.58			9.58					10.01			10.01				
	OC13	22.66			22.66					25.18			25.18				
	OC14	12.70			12.70					14.65			14.65				
SHOLAVARAM WTP	OC2	9.71				9.71				10.42				10.42			
	OC4	6.05				6.05				6.44				6.44			
	OC5B	6.08				6.08				6.47				6.47			
VEERANAM WTP	5	54.23					54.23			55.59					55.59		
	6	27.30					27.30			28.44					28.44		
	7	5.27					5.27			5.43					5.43		
	CC7	25.13					25.13			26.93					26.93		
MINJUR DSP	CC1-A	33.65						33.65		36.05						36.05	
	OC1	4.97						4.97		5.56						5.56	
NEMMELI/PERUR DSP	12	16.67							15.62	17.24							16.25
	12A	35.62							20.72	36.61							21.60
	13	26.06							16.67	26.61							17.24
	14	15.62							35.62	16.25							36.61
	16	20.72							26.06	21.60							26.61
	6A	4.35							4.35	4.49							4.49
	CC8	22.80							22.80	25.09							25.09
	CC9	15.00							15.00	17.70							17.70
	CC10	19.25							19.25	19.92							19.92
	CC11	14.34							14.34	18.52							18.52
	OC15	40.19							40.19	44.87							44.87
	OC16	18.69							18.69	21.98							21.98
SysTotal		1220.13	316.67	162.55	259.80	21.84	111.93	98.04	249.30	1298.51	321.73	120.00	283.08	23.33	179.90	99.61	270.87
Total			1220.13								1298.52						

SYSTEM NAME	ZONES	2030								2035							
		DEMAND	KILPAUK WTP	REDHILLS WTP	CHEMBARAMBAKKAM WTP	SHOLAVARAM WTP	VEERANAM WTP	MINJUR DSP	NEMMELI/PERUR DSP	DEMAND	KILPAUK WTP	REDHILLS WTP	CHEMBARAMBAKKAM WTP	SHOLAVARAM WTP	VEERANAM WTP	MINJUR DSP	NEMMELI/PERUR DSP
KPS SYSTEM	1	173.82	173.82							176.50	176.50						
	2	48.55	48.55							49.25	49.25						
	3	46.78	46.78							47.18	47.18						
	4	31.19	31.19							30.66	30.66						
	15	27.06	27.06							27.42	27.42						
REDHILL SYSTEM	9	30.94		30.94						31.64		31.64					
	10	61.01		22.01				39.00		61.40		27.40				34.00	
	11	31.30		31.30						31.83		31.83					
	CC1-B	12.83		12.83						14.84		14.84					
	CC2	45.40		45.40						51.46		51.46					
	CC3	11.18		11.18						13.37		13.37					
	CC4	53.95		53.95						60.25		60.25					
	OC3	12.50		12.50						14.50		14.50					
	OC5A	55.03		55.03						67.56		67.56					
CHEMBARAMBAKKAM SYSTEM	8	87.36					48.00		39.36	88.91					42.00		46.91
	CC5	56.97							56.97	64.01							64.01
	CC6	41.21							41.21	45.30							45.30
	OC6	24.03							24.03	28.64							28.64
	OC7	27.17							27.17	32.60							32.60
	OC8	34.85							34.85	41.66			41.66				
	OC9	28.29							28.29	33.30			33.30				
	OC10	16.10							16.10	18.80			18.80				
	OC11	17.71			17.71					20.79			20.79				
	OC12	18.99			18.99					22.23			22.23				
	OC13	38.04			38.04					42.47			42.47				
	OC14	25.10			25.10					28.62			28.62				
SHOLAVARAM WTP	OC2	22.99				22.99				27.71				27.71			
	OC4	14.02				14.02				16.85				16.85			
	OC5B	11.03				11.03				13.46				13.46			
VEERANAM WTP	5	56.91					56.91			58.15					58.15		
	6	29.06					29.06			29.81					29.81		
	7	5.57					5.57			5.70					5.70		
	CC7	40.70					40.70			44.55					44.55		
MINJUR DSP	CC1-A	49.52						49.52		52.30						52.30	
	OC1	11.12						11.12		13.30						13.30	
NEMMELI/PERUR DSP	12	17.64							16.61	18.04							17.03
	12A	36.85							22.11	37.11							22.67
	13	27.26							17.64	27.78							18.04
	14	16.61							36.85	17.03							37.11
	16	22.11							27.26	22.67							27.78
	6A	4.60							4.60	4.71							4.71
	CC8	37.41							37.41	41.62							41.62
	CC9	26.97							26.97	30.91							30.91
	CC10	34.60							34.60	39.00							39.00
	CC11	31.60							31.60	37.84							37.84
	OC15	71.91							71.91	82.40							82.40
	OC16	39.12							39.12	46.34							46.34
SysTotal		1664.93	327.40	275.13	99.83	48.04	180.25	99.64	634.64	1812.46	331.00	312.85	207.86	58.02	180.20	99.60	622.91
Total			1664.93								1812.45						

SYSTEM NAME	ZONES	2040								2045							
		DEMAND	KILPAUK WTP	REDHILLS WTP	CHEMBARAMBAKKAM WTP	SHOLAVARAM WTP	VEERANAM WTP	MINJUR DSP	NEMMELI/PERUR DSP	DEMAND	KILPAUK WTP	REDHILLS WTP	CHEMBARAMBAKKAM WTP	SHOLAVARAM WTP	VEERANAM WTP	MINJUR DSP	NEMMELI/PERUR DSP
KPS SYSTEM	1	179.82	179.82							182.68	182.68						
	2	50.18	50.18							51.15	51.15						
	3	47.74	47.74							48.41	48.41						
	4	30.46	30.46							30.21	30.21						
	15	27.89	27.89							27.82	27.82						
REDHILL SYSTEM	9	32.42		32.42						33.30		33.30					
	10	62.23		33.23				29.00		63.07		63.07					
	11	32.68		32.68						33.40		33.40					
	CC1-B	17.01		17.01						23.73		23.73					
	CC2	57.84		57.84						73.86		73.86					
	CC3	16.03		16.03						22.46		22.46					
	CC4	67.31		67.31						85.97		85.97					
	OC3	16.51		16.51						24.79		24.79					
	OC5A	82.99		82.99						131.29		131.29					
CHEMBARAMBAKKAM SYSTEM	8	90.72			90.72					91.91			3.91		17.00		71.00
	CC5	71.82			71.82					92.77			92.77				
	CC6	49.75			49.75					63.67			63.67				
	OC6	34.12			34.12					52.23			52.23				
	OC7	39.05			39.05					60.35			60.35				
	OC8	48.94			48.94					73.98			73.98				
	OC9	38.51			38.51					57.28			57.28				
	OC10	21.78			21.78					32.53			32.53				
	OC11	23.91			23.91					37.86			37.86				
	OC12	25.62			25.62					37.83			37.83				
	OC13	47.36			47.36					67.87			67.87				
	OC14	32.34			32.34					47.79			47.79				
SHOLAVARAM WTP	OC2	32.40				32.40				54.57				54.57			
	OC4	19.67				19.67				33.05				33.05			
	OC5B	17.13				17.13				27.77				27.77			
VEERANAM WTP	5	59.57					59.57			60.92					60.92		
	6	30.83					30.83			31.75					31.75		
	7	5.86					5.86			6.02					6.02		
	CC7	48.82					48.82			63.90					63.90		
MINJUR DSP	CC1-A	55.38						55.38		66.32						66.32	
	OC1	15.62						15.62		26.42						26.42	
NEMMELI/PERUR DSP	12	18.61							17.57	19.05							18.10
	12A	37.77							23.46	38.38							24.16
	13	28.38							18.61	28.90							19.05
	14	17.57							37.77	18.10							38.38
	16	23.46							28.38	24.16							28.90
	6A	4.83							4.83	4.98							4.98
	CC8	46.42							46.42	60.29							60.29
	CC9	35.24							35.24	45.68							45.68
	CC10	43.76							43.76	62.81							62.81
	CC11	44.26							44.26	59.42							59.42
	OC15	93.86							93.86	136.88							136.88
	OC16	53.90							53.90	80.37							80.37
SysTotal		1978.34	336.06	356.01	523.91	69.20	145.08	100.00	448.06	2497.91	340.26	491.87	628.05	115.40	179.58	92.74	650.02
Total			1978.34								2497.91						

SYSTEM NAME	ZONES	2050								
		DEMAND	KILPAUK WTP	REDHILLS WTP	CHEMBARAMBAKKAM WTP	SHOLAVARAM WTP	VEERANAM WTP	MINJUR DSP	NEMMELI/PERUR DSP	
KPS SYSTEM	1	185.83	185.83							
	2	51.73	51.73							
	3	48.61	48.61							
	4	29.44	29.44							
	15	28.73	28.73							
REDHILL SYSTEM	9	33.88		33.88						
	10	63.53		63.53						
	11	34.06		34.06						
	CC1-B	28.83		28.83						
	CC2	82.01		82.01						
	CC3	27.55		27.55						
	CC4	95.95		95.95						
	OC3	27.51		27.51						
	OC5A	161.25		161.25						
CHEMBARAMBAKKAM SYSTEM	8	93.74			93.74					
	CC5	104.72			104.72					
	CC6	71.21			71.21					
	OC6	62.00			62.00					
	OC7	71.80			71.80					
	OC8	85.31			85.31					
	OC9	64.64			64.64					
	OC10	37.16			37.16					
	OC11	42.31			42.31					
	OC12	42.60			42.60					
	OC13	75.36			75.36					
	OC14	53.16			53.16					
SHOLAVARAM WTP	OC2	61.42				61.42				
	OC4	37.26				37.26				
	OC5B	34.03				34.03				
VEERANAM WTP	5	62.13					62.13			
	6	32.45					32.45			
	7	6.15					6.15			
	CC7	73.41					73.41			
MINJUR DSP	CC1-A	69.42						69.42		
	OC1	30.39						30.39		
NEMMELI/PERUR DSP	12	19.49							18.48	
	12A	38.45							24.72	
	13	29.48							19.49	
	14	18.48							38.45	
	16	24.72							29.48	
	6A	5.06							5.06	
	CC8	68.74							68.74	
	CC9	51.53							51.53	
	CC10	78.29							78.29	
	CC11	68.91							68.91	
	OC15	154.17							154.17	
	OC16	91.29							91.29	
SysTotal		2758.15	344.34	554.55	804.00	132.71	174.13	99.81	648.60	
Total			2758.15							