

**インドシナ地域
電力セクター域内協力に係る
プロジェクト研究
ファイナルレポート別冊**

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**独立行政法人
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経済

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(1) ベースシナリオ

TABLE 1 TOTAL PURCHASE ACCOUNT BALANCE in BASE SCENARIO

FY. 2020 TOTAL (GWH,10**6CENT)

	Vietnam N		Vietnam C		Vietnam S		Laos NC1		Laos C2		Laos S		Cambodia		Thai NE		Thai CS		Myanmar		TOTAL		
	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	
(K W PURCHASE)																							
PURCHASE GWH	0	12	-1	54	-106	0	-37	7	-44	0	0	36	0	42	0	37	0	0	0	0	-188	188	
FIXED COST	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	
FUEL COST	0	23	21	66	773	0	1052	0	1276	0	0	0	0	0	0	95	0	0	0	0	3122	183	
TRANSMIT	0	---	1	---	53	---	9	---	14	---	0	---	0	---	0	---	0	---	0	---	77	---	
EXPENSE,INCOME	0	-90	22	-391	826	0	1061	-211	1290	0	0	-1036	0	-324	0	-1071	0	0	0	0	3199	-3122	
(E C PURCHASE)																							
PURCHASE GWH	0	14067	-1189	381	-14969	1	0	1470	0	384	0	752	0	1711	-63	4195	-6741	0	0	0	1	-22962	22962
FUEL COST	0	23162	-5653	639	-80013	5	-2	1539	-3	0	0	0	0	0	-486	2415	-53672	0	-1	2	-139829	27763	
TRANSMIT	0	---	760	---	16265	---	0	---	0	---	0	---	0	---	9	---	1113	---	0	---	18147	---	
MERIT	0	17389	2180	849	20765	0	1	5086	0	1425	0	2606	0	4714	192	14886	23822	0	0	2	46959	46959	
EXPENSE,INCOME	0	-40551	3473	-1489	59248	-5	1	-6626	3	-1425	0	-2606	0	-4714	294	-17302	29850	0	1	-4	92869	-74722	
(T O T A L)																							
PURCHASE GWH	0	14079	-1190	435	-15075	1	-37	1478	-44	384	0	788	0	1753	-63	4233	-6741	0	0	1	-23150	23150	
EXPENSE,INCOME	0	-40641	3495	-1880	60074	-5	1062	-6836	1293	-1425	0	-3642	0	-5038	294	-18373	29850	0	1	-4	96068	-77844	
ENERGY BALANCE	14079		-755		-15074		1441		339		788		1753		4170		-6741		1		0		
ACCOUNT BALANCE	-40641		1615		60069		-5774		-132		-3642		-5038		-18079		29850		-4		18224		

TABLE 2_KW_BALANCE_VIETNAM_NORTH IN BASE SCENARIO

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	24033	24833	27029	28831	28858	29837	29704	30343	29581	28854	31041	29225	342169
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	1080	1080	1080	1620	1620	1620	2250	2250	2250	1620	1620	1620	19710
.HYDRO_A.....	731	741	793	722	887	909	909	909	909	895	895	787	10084
.....AB....	7495	7776	7813	8191	8915	8556	8864	9181	9741	9776	9382	8472	104162
.....PA....	116	116	146	134	300	600	600	600	595	600	600	250	4658
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	8343	8633	8752	9047	10102	10065	10372	10689	11245	11271	10876	9509	118904
THERMAL,NUCLEAR	23800	23800	23800	23800	23800	23800	23800	23800	24800	24800	24800	24770	289570
SUPPLY CAPACITY	33223	33513	33632	34467	35522	35485	36422	36739	38295	37691	37296	35899	428184
.MAINTENANCE....	7731	7082	4549	3289	4428	3198	4400	3977	6630	6842	3748	4401	60274
RESERVE CAPACITY	1459	1598	2054	2347	2236	2450	2318	2419	2084	1995	2507	2273	25741
RESERVE RATE (%)	6.071	6.435	7.599	8.141	7.748	8.211	7.804	7.972	7.045	6.914	8.076	7.778	7.523
(REFERENCE)													
.MAINTENANCE....	6958	6374	4094	2960	3985	2878	3960	3579	5967	6158	3373	3961	54247

TABLE_3_KWH_BALANCE_VIETNAM NORTH IN BASE SCENARIO

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	12867	12009	14471	15285	15813	15795	16521	16589	15723	15058	14998	15225	180353	0	0
PURCHASE....	-956	-904	-891	-1190	-1300	-1357	-1465	-1474	-693	-1266	-1325	-1245	-14078	0	0
OTHERS.....	573	517	573	832	859	832	1208	1208	1169	859	832	859	10321	2063	57.111
CONVEN.HYDRO	2450	2368	2676	2669	3428	3777	5137	5533	3407	3544	3003	2596	40588	10710	43.262
PUMPED_HYDRO	41	37	41	36	25	69	63	23	14	64	77	81	570	475	13.699
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-West...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL.....	1	1	0	0	1	1	1	1	2	0	0	0	9	28	3.669
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	1768	1666	1845	2288	2195	1930	1711	1726	2412	2372	2303	2654	24870	5333	53.235
.COAL.....	9053	8379	10288	10705	10641	10648	9963	9608	9434	9581	10224	10402	118926	18770	72.328
GENE. TOTAL	13885	12969	15423	16530	17150	17257	18081	18099	16438	16421	16439	16592	195283	37378	59.642
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-61	-55	-61	-53	-37	-104	-93	-35	-21	-96	-114	-121	-851	0	0

TABLE 4. KW_BALANCE_VIETNAM CENTRAL IN BASE SCENARIO

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	....TOTAL
....DEMAND.....	6179	6340	6769	7293	7296	7523	7490	7646	7460	7461	8139	7235	86831
...PURCHASE....	0	0	26	0	0	0	0	0	0	0	0	0	26
...OTHERS.....	29	36	36	36	36	36	45	45	45	36	29	36	445
.HYDRO A....	403	436	495	549	545	551	579	533	574	652	687	487	6492
.....AB....	3413	3601	3567	3746	3634	4353	4553	5686	5457	5391	4906	4134	52439
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	3815	4037	4062	4296	4179	4904	5132	6219	6030	6043	5593	4621	58931
THERMAL,NUCLEAR	2834	2834	2834	3434	3434	3434	3434	3434	3434	3434	3434	3434	39408
SUPPLY_CAPACITY.	6678	6907	6958	7766	7649	8374	8611	9698	9509	9513	9056	8091	98810
.MAINTENANCE....	0	0	0	0	0	208	452	1470	1522	1490	157	184	5484
RESERVE_CAPACITY	499	567	189	473	353	643	669	582	527	562	760	672	6495
RESERVE_RATE_(%)	8.076	8.943	2.792	6.486	4.838	8.547	8.932	7.612	7.064	7.533	9.338	9.288	7.481
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	187	407	1323	1369	1341	141	166	4934

TABLE 5_KWH_BALANCE_VIETNAM CENTRAL IN BASE SCENARIO

FY. 2020

MONTH	(GWH,MW,%)												TOTAL	INS.CAP.	AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	3697	3436	4082	4200	4343	4314	4502	4516	4299	4237	4637	4257	50521	0	0
PURCHASE....	117	95	223	128	203	90	163	104	-3	-327	-27	-7	755	0	0
OTHERS.....	35	40	44	43	44	43	55	55	54	44	34	44	537	150	40.868
CONVEN.HYDRO	2017	1914	2195	2169	2159	2481	2695	3412	3343	3640	3056	2647	31727	7791	46.487
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS- Center.	774	697	886	485	485	660	678	462	410	314	453	531	6835	1500	52.017
.OIL.....	7	7	7	57	55	7	7	5	5	5	8	7	177	104	19.428
BOT.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL- Imp...	727	666	708	1137	1162	1016	889	469	483	553	1097	1020	9928	1650	68.687
.COAL.....	19	17	18	19	19	16	16	9	9	9	19	15	184	30	70.015
GENE_TOTAL.	3580	3341	3859	3909	3924	4224	4340	4413	4303	4565	4666	4265	49388	11225	50.226
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	-162	-216	0	0	0	0	0	0	0	-378	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_6_KW_BALANCE_VIETNAM SOUTH IN BASE SCENARIO

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	30009	30972	33395	32527	32556	33518	33377	34045	33267	33910	35414	36081	399071
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	1829	1836	1836	2286	2286	2286	2295	1845	1845	1836	1649	1746	23575
.HYDRO_A.....	603	604	619	641	696	726	652	578	246	726	726	677	7492
.....AB.....	2061	2151	2262	2127	1631	2102	2371	2600	2238	2980	2983	2601	28106
.....PA.....	1630	1659	1729	1586	1752	1130	1723	1867	1479	2373	2400	2231	21560
.....PB.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	4295	4413	4611	4355	4079	3958	4745	5045	3963	6078	6109	5508	57158
THERMAL_NUCLEAR	37327	37327	37327	37327	37327	38327	38327	38327	38327	38327	38327	38327	454922
SUPPLY_CAPACITY.	43450	43576	43773	43967	43692	44571	45367	45217	44135	46241	46084	45581	535655
.MAINTENANCE....	9819	8726	5839	7167	6823	6568	7633	6610	6405	7921	5819	4406	83735
RESERVE_CAPACITY	3622	3878	4539	4273	4313	4485	4357	4562	4463	4410	4851	5094	52848
RESERVE_RATE (%)	12.07	12.521	13.592	13.137	13.248	13.381	13.054	13.4	13.416	13.005	13.698	14.118	13.243
(REFERENCE)													
.MAINTENANCE....	8837	7853	5255	6450	6141	5911	6870	5949	5764	7129	5237	3965	75361

TABLE 7_KWH_BALANCE_VIETNAM SOUTH IN BASE SCENARIO

FY. 2020

(GWH,MW,%)

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL...	...INS.CAP.	...AVAIL.F
DEMAND.....	17477	16268	19513	18664	19309	19240	20108	20184	19160	20156	19970	20454	230504	0	0
PURCHASE....	989	944	817	1207	1246	1412	1452	1520	842	1744	1498	1403	15074	0	0
OTHERS.....	206	210	214	258	253	179	301	263	207	366	336	354	3147	150	239.498
CONVEN.HYDRO	929	849	951	975	1027	1134	1203	1407	1412	1663	1343	1014	13908	3710	42.794
PUMPED_HYDRO	346	352	409	364	388	393	328	335	415	408	397	425	4558	2400	21.68
NUCLEAR.....	532	496	597	557	581	566	567	584	569	563	578	620	6809	1000	77.728
LNG.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS.....	840	769	1334	1058	871	1363	470	456	1403	853	847	677	10941	3334	37.462
GAS-West....	4675	4154	4594	4342	4496	3838	4757	4461	3860	4321	4146	4293	51935	11100	53.411
OIL.....	0	0	0	0	0	1	0	0	0	0	0	0	1	504	0.023
BOT.....	830	770	911	855	891	867	874	895	870	869	882	940	10453	1440	82.866
DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COAL-Imp....	8644	8243	10295	9595	10140	10072	10644	10764	10201	9979	10533	11359	120471	20533	66.977
COAL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE. TOTAL	17001	15844	19305	18002	18646	18415	19145	19164	18937	19021	19060	19682	222222	44170	57.433
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-512	-520	-609	-544	-583	-586	-489	-500	-619	-609	-588	-632	-6792	0	0

TABLE_8_KW_BALANCE_LAOS NORTH CENTRAL1 IN BASE SCEANRIO

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	948	903	901	1038	1051	864	935	935	935	884	882	872	11148
...PURCHASE....	0	0	0	105	219	0	0	0	0	0	0	0	323
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A.....	33	33	33	32	21	80	106	108	107	96	26	33	708
.....AB....	797	766	777	718	632	676	878	941	954	900	742	778	9560
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	830	798	810	750	653	756	985	1049	1060	996	768	812	10268
THERMAL,NUCLEAR	200	200	200	200	200	200	200	200	200	200	200	200	2401
SUPPLY_CAPACITY.	1030	998	1010	1055	1072	956	1185	1249	1260	1196	968	1012	12992
.MAINTENANCE....	0	0	0	0	0	0	17	89	101	101	0	0	307
RESERVE_CAPACITY	82	95	109	17	21	92	233	225	224	211	86	140	1537
RESERVE_RATE_(%)	8.65	10.52	12.098	1.638	1.998	10.648	24.92	24.064	23.957	23.869	9.751	16.055	13.79
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	15	80	91	91	0	0	277

TABLE_9_KWH_BALANCE_LAOS NORTH CENTRAL1 IN BASE SCENARIO

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL...	...INS.CAP...	...AVAIL.F...
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	397	392	399	468	485	445	486	486	470	449	387	402	5268	0	0
PURCHASE....	-140	-109	-178	-53	19	-104	-154	-178	-178	-159	-131	-66	-1440	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	402	377	440	389	326	417	577	623	611	571	387	400	5520	1191	52.908
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
.COAL - ST..	136	124	138	134	138	134	64	42	37	38	132	69	1187	200	67.751
GENE_TOTAL..	538	501	579	522	465	550	641	665	649	609	519	470	6708	1392	55.029
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_10_KW_BALANCE_LAOS CENTRAL2 IN BASE SCENARIO

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	141	155	206	213	238	251	247	239	270	271	293	292	2816
...PURCHASE....	0	0	14	1	19	0	0	0	0	0	0	21	55
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	204	204	196	217	222	307	329	324	332	335	319	275	3265
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	204	204	196	217	222	307	329	324	332	335	319	275	3265
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY CAPACITY.	204	205	210	218	242	307	329	324	333	335	319	296	3321
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE CAPACITY	63	50	4	5	4	56	82	85	63	64	26	4	505
RESERVE RATE (%)	44.681	32.258	1.942	2.347	1.681	22.311	33.198	35.565	23.333	23.616	8.874	1.37	17.928
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_11_KWH_BALANCE_LAOS CENTRAL2 IN BASE SCENARIO

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	67	80	113	111	127	134	130	124	144	141	134	169	1474	0	0
PURCHASE....	-53	-31	10	0	11	-37	-63	-65	-40	-48	-38	24	-338	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	121	111	103	112	117	172	195	193	185	190	173	145	1816	348	59.571
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_ - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_ TOTAL	122	111	103	112	117	172	195	193	186	190	173	145	1817	348	59.57
OVER_FLOW...	0	0	0	0	0	0	1	3	0	0	0	0	3	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_12_KW_BALANCE_LAOS SOUTH IN BASE SCEANRIO

FY. 2020

MONTH													(MW,%)
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	77	94	101	87	92	82	63	66	65	74	65	74	940
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A.....	7	15	14	5	9	50	35	56	56	34	11	15	308
.....AB....	195	219	226	231	224	210	198	215	351	267	262	225	2824
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO TOTAL...	202	234	240	237	233	261	233	271	407	301	274	240	3132
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	202	234	240	237	233	261	233	271	407	301	274	240	3133
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	125	140	139	150	141	179	170	205	342	227	209	166	2193
RESERVE_RATE_(%)	162.338	148.936	137.624	172.414	153.261	218.293	269.841	310.606	526.154	306.757	321.538	224.324	233.309
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 13_KWH_BALANCE_LAOS SOUTH IN BASE SCEANRIO

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	34	37	43	38	34	28	22	27	23	32	26	32	376	0	0
PURCHASE....	-66	-59	-66	-64	-66	-64	-66	-66	-64	-66	-64	-66	-787	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	127	145	147	148	147	159	149	179	269	199	177	153	1999	472	48.347
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_-ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_-GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_-ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	127	145	147	148	147	159	149	179	269	199	177	154	2000	472	48.377
OVER_FLOW...	27	48	38	46	46	66	60	85	181	100	86	55	836	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_14_KW_BALANCE_CAMBODIA IN BASE SCENARIO

FY. 2020

(MW,%)

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	1433	1486	1493	1605	1617	1554	1555	1579	1487	1490	1554	1520	18373
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1220	1304	1328	1366	1316	1327	1505	1572	1639	1630	1678	1366	17251
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1220	1304	1328	1366	1316	1327	1505	1572	1639	1630	1678	1366	17251
THERMAL,NUCLEAR	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	14357
SUPPLY_CAPACITY.	2416	2500	2524	2563	2513	2523	2702	2769	2835	2826	2874	2562	31608
.MAINTENANCE...	10	10	10	10	10	10	75	104	380	336	268	10	1232
RESERVE_CAPACITY	973	1004	1021	948	886	959	1072	1086	968	1000	1052	1032	12003
RESERVE_RATE_(%)	67.9	67.564	68.386	59.065	54.793	61.712	68.939	68.778	65.098	67.114	67.696	67.895	65.327
(REFERENCE)													
.MAINTENANCE....	9	9	9	9	9	9	67	93	341	302	241	9	1107

TABLE_15_KWH_BALANCE_CAMBODIA IN BASE SCENARIO

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	695	631	762	775	841	772	773	798	728	728	698	736	8936	0	0
PURCHASE....	-148	-133	-148	-143	-148	-143	-148	-148	-143	-148	-143	-148	-1752	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	507	501	581	593	595	658	729	825	848	854	848	697	8236	1678	56.03
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
from_Vietnam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	168	152	168	162	168	162	156	151	98	109	117	168	1778	600	33.828
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Import.....	207	188	207	201	207	201	207	207	201	207	201	207	2444	310	89.999
.DIESEL(D.O)	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
.DIESEL(OIL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	126	114	126	122	126	122	117	113	73	82	88	126	1334	200	76.142
GENE_TOTAL..	1008	953	1082	1078	1097	1143	1210	1297	1220	1252	1254	1199	13792	2874	54.774
OVER FLOW...	164	188	172	159	107	227	288	350	347	375	412	314	3103	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_16_KW_BALANCE_Thai NORTHEAST IN BASE SCENARIO

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	3352	3777	4018	4061	4045	3904	3879	3891	3838	3806	3926	3687	46184
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO TOTAL...	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
THERMAL,NUCLEAR	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	16992
SUPPLY_CAPACITY.	4007	4161	4513	4431	4390	4780	5029	5238	5444	5332	5059	4931	57316
.MAINTENANCE....	0	0	0	0	0	0	20	236	541	462	0	188	1447
RESERVE_CAPACITY	655	384	495	370	345	876	1130	1111	1065	1064	1133	1056	9686
RESERVE_RATE (%)	19.541	10.167	12.32	9.111	8.529	22.439	29.131	28.553	27.749	27.956	28.859	28.641	20.972
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	18	212	487	416	0	169	1302

TABLE 17_KWH_BALANCE_THAI_NORTHEAST_IN_BASE_SCENARIO

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	1476	1509	1793	1884	1942	1790	1893	1848	1761	1768	1701	1630	20995	0	0
PURCHASE....	-353	-166	-133	-53	-58	-205	-470	-740	-631	-621	-348	-381	-4169	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	1322	1217	1271	1300	1338	1517	1875	2167	2079	2040	1569	1575	19270	4028	54.612
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	508	459	655	639	662	480	489	421	315	350	480	437	5895	1410	47.727
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	1830	1676	1927	1938	2001	1996	2364	2589	2394	2390	2049	2011	25165	5444	52.766
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_18_KW_BALANCE_THAI CENTRAL SOUTH IN BASE SCENARIO

FY. 2020

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	36566	39610	40725	41945	42439	40979	40146	40291	39770	39988	40632	38794	481885
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB.....	1925	2659	2694	2783	2659	2688	2494	2547	2449	3103	2734	1905	30640
.....PA.....	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	12000
.....PB.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2925	3659	3694	3783	3659	3688	3494	3547	3449	4103	3734	2905	42640
THERMAL,NUCLEAR	46558	46558	46658	46658	46658	46658	46658	46658	46658	46658	46658	46658	559697
SUPPLY_CAPACITY.	49483	50217	50352	50441	50318	50346	50153	50205	50107	50761	50392	49563	602337
.MAINTENANCE....	8690	5652	4390	2946	2182	4062	4902	4777	5327	5778	4552	5958	59217
RESERVE_CAPACITY	4227	4955	5237	5550	5697	5305	5105	5137	5010	4995	5208	4811	61235
RESERVE_RATE (%)	11.56	12.509	12.859	13.232	13.424	12.946	12.716	12.75	12.597	12.491	12.817	12.401	12.707
(REFERENCE)													
.MAINTENANCE....	7821	5087	3951	2651	1964	3656	4412	4299	4794	5200	4097	5362	53294

TABLE_19_KWH_BALANCE_THAI CENTRAL SOUTH IN BASER SCENARIO

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	...INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	21749	21308	24621	24376	25095	23934	24016	24793	23743	24402	24219	22506	284764	0	0
PURCHASE....	616	369	370	174	96	414	757	1053	917	897	585	492	6741	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	374	438	551	487	401	345	392	510	508	410	418	333	5166	3275	18.007
PUMPED_HYDRO	107	126	128	151	120	119	149	143	162	129	153	96	1582	1000	18.059
NUCLEAR.....	800	916	1104	1167	1259	1090	1067	1076	1004	1005	1057	993	12538	2000	71.564
.GAS - ST...	1036	1026	1285	1297	1541	1223	1436	1459	1129	1148	1250	1154	14983	3597	47.55
.GAS - C/C..	14262	13991	16101	16005	16271	15771	15205	15524	15259	15893	15855	14500	184641	29667	71.048
.GAS - GT...	0	0	0	0	1	1	0	0	0	0	0	0	2	168	0.136
.OIL - ST...	170	167	191	192	209	187	192	189	181	185	184	184	2230	2989	8.517
.OIL - GT...	76	70	79	77	80	76	78	78	76	78	76	78	922	122	86.271
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	4469	4394	5030	5050	5318	4909	4963	4979	4750	4849	4847	4826	58383	8099	82.291
GENE_TOTAL.	21293	21127	24467	24426	25202	23722	23483	23960	23067	23697	23840	22163	280447	50916	62.877
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-160	-188	-216	-225	-203	-202	-223	-219	-241	-193	-205	-149	-2425	0	0

TABLE_20_KW_BALANCE_MYANMAR IN BASE SCENARIO

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	2723	2939	2929	2933	3000	2881	2896	2742	2811	2717	2713	2784	34068
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1382	1199	1106	861	1658	1942	2949	3560	3560	2930	2868	1600	25613
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1382	1199	1106	861	1658	1942	2949	3560	3560	2930	2868	1600	25613
THERMAL,NUCLEAR	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	24726
SUPPLY_CAPACITY.	3442	3259	3166	2921	3719	4002	5009	5621	5621	4990	4928	3661	50339
.MAINTENANCE....	0	0	0	0	0	0	0	889	754	238	176	0	2056
RESERVE_CAPACITY	719	320	237	-12	719	1121	2113	1990	2056	2035	2039	877	14215
RESERVE_RATE (%)	26.405	10.888	8.091	-0.409	23.967	38.91	72.963	72.575	73.141	74.899	75.157	31.501	41.726
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	800	679	214	158	0	1851

TABLE_21_KWH_BALANCE_MYANMAR IN BASE SCENARIO

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	...INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	1359	1420	1599	1564	1537	1462	1417	1454	1431	1381	1308	1394	17327	0	0
PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	471	392	393	350	410	691	1055	1653	1666	1108	838	579	9608	3560	30.809
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-C/C..	805	937	1044	1003	1025	690	279	0	0	215	399	731	7129	1600	50.863
.GAS_-GT...	0	16	49	99	19	0	0	0	0	0	0	0	183	280	7.461
.OIL_-ST...	0	0	28	26	0	0	0	0	0	0	0	0	54	60	10.274
.OIL_-GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_-ST..	83	75	83	80	83	80	83	0	0	64	71	83	786	120	74.772
GENE_TOTAL.	1359	1420	1598	1558	1537	1462	1418	1653	1666	1388	1308	1394	17760	5621	36.071
OVER_FLOW...	0	0	0	0	0	0	0	433	461	6	0	0	900	0	0
SHORTAGE...	0	0	-2	-6	0	0	0	0	0	0	0	0	-8	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(2) シナリオ 1_1

TABLE 1 TOTAL PURCHASE ACCOUNT BALANCE in SCENARIO1_1

FY. 2020 TOTAL (GWH,10**6CENT)

	Vietnam N		Vietnam C		Vietnam S		Laos NC1		Laos C2		Laos S		Cambodia		Thai NE		Thai CS		Myanmar		TOTAL	
	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND
(K W PURCHASE)																						
PURCHASE GWH	0	12	-1	54	-106	0	-37	7	-44	0	0	41	0	42	0	33	0	0	0	0	-188	188
FIXED COST	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---
FUEL COST	0	23	21	66	773	0	1052	0	1276	0	0	0	0	0	58	0	0	0	0	0	3122	146
TRANSMIT	0	---	1	---	53	---	10	---	10	---	0	---	0	---	0	---	0	---	0	---	74	---
EXPENSE,INCOME	0	-89	22	-391	826	0	1062	-211	1287	0	0	-1169	0	-324	0	-939	0	0	0	0	3196	-3122
(E C PURCHASE)																						
PURCHASE GWH	0	14066	-1329	381	-14828	1	-1	1470	0	384	0	1072	0	1711	-80	4187	-7036	0	0	1	-23273	23273
FUEL COST	0	23158	-6234	639	-79501	5	-3	1539	-3	0	0	0	0	0	-616	2351	-55985	0	-1	2	-142343	27694
TRANSMIT	0	---	851	---	16127	---	0	---	0	---	0	---	0	---	16	---	1269	---	0	---	18264	---
MERIT	0	17458	2413	849	20621	0	2	5114	0	1425	0	3705	0	4736	259	14902	24897	0	0	2	48193	48193
EXPENSE,INCOME	0	-40616	3820	-1489	58880	-5	1	-6654	3	-1425	0	-3705	0	-4736	357	-17253	31089	0	1	-4	94150	-75887
(T O T A L)																						
PURCHASE GWH	0	14078	-1330	435	-14933	1	-37	1478	-44	384	0	1113	0	1753	-80	4220	-7036	0	0	1	-23461	23461
EXPENSE,INCOME	0	-40706	3842	-1880	59705	-5	1063	-6864	1290	-1425	0	-4874	0	-5060	357	-18192	31089	0	1	-4	97347	-79009
ENERGY BALANCE	14078		-895		-14933		1441		339		1113		1753		4140		-7036		1		0	
ACCOUNT BALANCE	-40706		1963		59701		-5801		-136		-4874		-5060		-17835		31089		-3		18338	

TABLE 2_KW_BALANCE_VIETNAM_NORTH IN SCENARIO1_1

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	24033	24833	27029	28831	28858	29837	29704	30343	29581	28854	31041	29225	342169
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	1080	1080	1080	1620	1620	1620	2250	2250	2250	1620	1620	1620	19710
.HYDRO_A.....	731	741	793	722	887	909	909	909	909	895	895	787	10084
.....AB....	7495	7776	7813	8191	8915	8556	8864	9181	9741	9776	9382	8472	104162
.....PA....	116	116	146	134	300	600	600	600	595	600	600	250	4658
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	8343	8633	8752	9047	10102	10065	10372	10689	11245	11271	10876	9509	118904
THERMAL,NUCLEAR	23800	23800	23800	23800	23800	23800	23800	23800	24800	24800	24800	24770	289570
SUPPLY_CAPACITY.	33223	33513	33632	34467	35522	35485	36422	36739	38295	37691	37296	35899	428184
.MAINTENANCE....	7731	7082	4549	3289	4428	3198	4400	3977	6630	6842	3748	4401	60274
RESERVE_CAPACITY	1459	1598	2054	2347	2236	2450	2318	2419	2084	1995	2507	2273	25741
RESERVE_RATE (%)	6.071	6.435	7.599	8.141	7.748	8.211	7.804	7.972	7.045	6.914	8.076	7.778	7.523
(REFERENCE)													
.MAINTENANCE....	6958	6374	4094	2960	3985	2878	3960	3579	5967	6158	3373	3961	54247

TABLE_3_KWH_BALANCE_VIETNAM NORTH IN SCENARIO1_1

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	...INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	12867	12009	14471	15285	15813	15795	16521	16589	15723	15058	14998	15225	180353	0	0
PURCHASE....	-956	-904	-891	-1189	-1300	-1357	-1465	-1474	-693	-1266	-1325	-1245	-14077	0	0
OTHERS.....	573	517	573	832	859	832	1208	1208	1169	859	832	859	10321	2063	57.111
CONVEN.HYDRO	2450	2368	2676	2669	3428	3777	5137	5533	3407	3544	3003	2596	40588	10710	43.262
PUMPED_HYDRO	41	37	41	36	25	69	63	23	14	64	77	81	570	475	13.699
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-West...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL.....	1	1	0	0	1	1	1	1	2	0	0	0	9	28	3.669
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	1768	1666	1845	2287	2195	1930	1711	1726	2412	2372	2303	2654	24869	5333	53.233
.COAL.....	9053	8379	10288	10705	10641	10648	9963	9608	9434	9581	10224	10402	118926	18770	72.328
GENE. TOTAL.	13885	12969	15423	16529	17150	17257	18081	18099	16438	16421	16439	16592	195282	37378	59.641
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-61	-55	-61	-53	-37	-104	-93	-35	-21	-96	-114	-121	-851	0	0

TABLE 4. KW_BALANCE_VIETNAM CENTRAL IN SCENARIO1_1

FY. 2020

(MW,%)

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	6179	6340	6769	7293	7296	7523	7490	7646	7460	7461	8139	7235	86831
...PURCHASE.....	0	0	26	0	0	0	0	0	0	0	0	0	26
...OTHERS.....	29	36	36	36	36	36	45	45	45	36	29	36	445
.HYDRO A.....	403	436	495	549	545	551	579	533	574	652	687	487	6492
.....AB....	3413	3601	3567	3746	3634	4353	4553	5686	5457	5391	4906	4134	52439
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	3815	4037	4062	4296	4179	4904	5132	6219	6030	6043	5593	4621	58932
THERMAL,NUCLEAR	2834	2834	2834	3434	3434	3434	3434	3434	3434	3434	3434	3434	39408
SUPPLY_CAPACITY.	6678	6907	6958	7766	7649	8374	8611	9698	9509	9513	9056	8091	98810
.MAINTENANCE....	0	0	0	0	0	208	452	1470	1522	1490	157	184	5484
RESERVE_CAPACITY	499	567	189	473	353	643	669	582	527	562	760	672	6495
RESERVE_RATE (%)	8.076	8.943	2.792	6.486	4.838	8.547	8.932	7.612	7.064	7.533	9.338	9.288	7.481
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	187	407	1323	1369	1341	141	166	4934

TABLE 5_KWH_BALANCE_VIETNAM CENTRAL IN SCENARIO1_1

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	....TOTAL.	...INS.CAP.	...AVAIL.F
DEMAND.....	3697	3436	4082	4200	4343	4314	4502	4516	4299	4237	4637	4257	50521	0	0
PURCHASE....	117	95	249	89	203	90	305	104	-3	-327	-27	2	895	0	0
OTHERS.....	35	40	44	43	44	43	55	55	54	44	34	44	537	150	40.868
CONVEN.HYDRO	2017	1914	2195	2169	2159	2481	2695	3412	3343	3640	3056	2647	31727	7791	46.487
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-Center.	774	697	873	769	485	660	625	462	410	314	453	531	7051	1500	53.661
.OIL.....	7	7	7	7	55	7	7	5	5	5	8	7	127	104	13.94
BOT.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	727	666	696	1104	1162	1016	801	469	483	553	1097	1010	9786	1650	67.704
.COAL.....	19	17	18	19	19	16	14	9	9	9	19	15	182	30	69.254
GENE_TOTAL.	3580	3341	3833	4111	3924	4224	4197	4413	4303	4565	4666	4255	49410	11225	50.249
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	-216	0	0	0	0	0	0	0	-216	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_6_KW_BALANCE_VIETNAM SOUTH IN SCENARIO1_1

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	30009	30972	33395	32527	32556	33518	33377	34045	33267	33910	35414	36081	399071
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	1829	1836	1836	2286	2286	2286	2295	1845	1845	1836	1649	1746	23575
.HYDRO A.....	603	604	619	641	696	726	652	578	246	726	726	677	7492
.....AB....	2061	2151	2262	2127	1631	2102	2371	2600	2238	2980	2983	2601	28106
.....PA....	1630	1659	1729	1586	1752	1130	1723	1867	1479	2373	2400	2231	21560
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	4295	4413	4611	4355	4079	3958	4745	5045	3963	6078	6109	5508	57158
THERMAL,NUCLEAR	37327	37327	37327	37327	37327	38327	38327	38327	38327	38327	38327	38327	454922
SUPPLY_CAPACITY.	43450	43576	43773	43967	43692	44571	45367	45217	44135	46241	46084	45581	535655
.MAINTENANCE....	9819	8726	5839	7167	6823	6568	7633	6610	6405	7921	5819	4406	83735
RESERVE_CAPACITY	3622	3878	4539	4273	4313	4485	4357	4562	4463	4410	4851	5094	52848
RESERVE_RATE (%)	12.07	12.521	13.592	13.137	13.248	13.381	13.054	13.4	13.416	13.005	13.698	14.118	13.243
(REFERENCE)													
.MAINTENANCE....	8837	7853	5255	6450	6141	5911	6870	5949	5764	7129	5237	3965	75361

TABLE 7_KWH_BALANCE_VIETNAM SOUTH IN SCENARIO1_1

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL...	...INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	17477	16268	19513	18664	19309	19240	20108	20184	19160	20156	19970	20454	230504	0	0
PURCHASE....	989	944	791	1245	1246	1412	1310	1520	842	1744	1498	1393	14933	0	0
OTHERS.....	206	210	214	258	253	179	301	263	207	366	336	354	3147	150	239.498
CONVEN.HYDRO	929	849	951	975	1027	1134	1203	1407	1412	1663	1343	1014	13908	3710	42.794
PUMPED_HYDRO	346	352	409	358	388	393	315	335	415	408	397	425	4539	2400	21.59
NUCLEAR.....	532	496	597	557	581	566	567	584	569	563	578	620	6809	1000	77.728
LNG.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS.....	840	769	1334	840	871	1363	482	456	1403	853	847	677	10736	3334	36.76
GAS-West....	4675	4154	4595	4476	4496	3838	4881	4461	3860	4321	4146	4293	52195	11100	53.679
OIL.....	0	0	0	0	0	1	0	0	0	0	0	0	1	504	0.023
BOT.....	830	770	911	855	891	867	874	895	870	869	882	940	10453	1440	82.866
DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COAL-Imp....	8644	8243	10320	9638	10140	10072	10644	10764	10201	9979	10533	11370	120549	20533	67.02
COAL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	17001	15844	19330	17957	18646	18415	19269	19164	18937	19021	19060	19693	222336	44170	57.462
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-512	-520	-608	-537	-583	-586	-471	-500	-619	-609	-588	-632	-6765	0	0

TABLE_8_KW_BALANCE_LAOS NORTH CENTRAL1 INSCEANRIO1_1

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	....TOTAL
...DEMAND.....	948	903	901	1038	1051	864	935	935	935	884	882	872	11148
...PURCHASE.....	0	0	0	105	219	0	0	0	0	0	0	0	323
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	33	33	33	32	21	80	106	108	107	96	26	33	708
.....AB....	797	766	777	718	632	676	878	941	954	900	742	778	9560
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO TOTAL...	830	798	810	750	653	756	985	1049	1060	996	768	812	10268
THERMAL,NUCLEAR	200	200	200	200	200	200	200	200	200	200	200	200	2401
SUPPLY_CAPACITY.	1030	998	1010	1055	1072	956	1185	1249	1260	1196	968	1012	12992
.MAINTENANCE....	0	0	0	0	0	0	17	89	101	101	0	0	307
RESERVE_CAPACITY	82	95	109	17	21	92	233	225	224	211	86	140	1537
RESERVE_RATE (%)	8.65	10.52	12.098	1.638	1.998	10.648	24.92	24.064	23.957	23.869	9.751	16.055	13.79
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	15	80	91	91	0	0	277

TABLE_9_KWH_BALANCE_LAOS NORTH CENTRAL1 IN SCENARIO1_1

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	397	392	399	468	485	445	486	486	470	449	387	402	5268	0	0
PURCHASE....	-140	-109	-178	-53	20	-104	-154	-178	-178	-159	-131	-66	-1440	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	402	377	440	389	326	417	577	623	611	571	387	400	5520	1191	52.908
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_-ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_-GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
.COAL_-ST..	136	124	138	134	138	134	64	42	37	38	132	69	1187	200	67.751
GENE..TOTAL	538	501	579	522	465	550	641	665	649	609	519	470	6708	1392	55.027
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_10_KW_BALANCE_LAOS CENTRAL2 IN SCENARIO1_1

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	141	155	206	213	238	251	247	239	270	271	293	292	2816
...PURCHASE.....	0	0	14	1	19	0	0	0	0	0	0	21	55
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	204	204	196	217	222	307	329	324	332	335	319	275	3265
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	204	204	196	217	222	307	329	324	332	335	319	275	3265
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	204	205	210	218	242	307	329	324	333	335	319	296	3321
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	63	50	4	5	4	56	82	85	63	64	26	4	505
RESERVE_RATE (%)	44.681	32.258	1.942	2.347	1.681	22.311	33.198	35.565	23.333	23.616	8.874	1.37	17.928
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 11_KWH_BALANCE_LAOS CENTRAL2 IN SCENARIO1_1

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	67	80	113	111	127	134	130	124	144	141	134	169	1474	0	0
PURCHASE....	-53	-31	10	0	11	-37	-63	-65	-40	-48	-38	24	-338	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	121	111	103	112	117	172	195	193	185	190	173	145	1816	348	59.571
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	122	111	103	112	117	172	195	193	186	190	173	145	1817	348	59.57
OVER_FLOW...	0	0	0	0	0	0	1	3	0	0	0	0	3	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_12_KW_BALANCE_LAOS SOUTH IN SCEANRIO1_1

FY. 2020

MONTH													(MW,%)
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	77	94	101	87	92	82	63	66	65	74	65	74	940
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A.....	7	15	14	5	9	50	35	56	56	34	11	15	308
.....AB....	195	219	226	231	224	210	198	215	351	267	262	225	2824
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO TOTAL...	202	234	240	237	233	261	233	271	407	301	274	240	3132
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	202	234	240	237	233	261	233	271	407	301	274	240	3133
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	125	140	139	150	141	179	170	205	342	227	209	166	2193
RESERVE_RATE (%)	162.338	148.936	137.624	172.414	153.261	218.293	269.841	310.606	526.154	306.757	321.538	224.324	233.313
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_13_KWH_BALANCE_LAOS SOUTH IN SCEANRIO1_1

FY. 2020

(GWH,MW,%)

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	34	37	43	38	34	28	22	27	23	32	26	32	376	0	0
PURCHASE....	-78	-88	-104	-109	-112	-91	-69	-67	-87	-84	-90	-121	-1112	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	127	145	147	148	147	159	149	179	269	199	177	153	1999	472	48.347
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ -_ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ -_C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ -_GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ -_ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ -_GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_ -_ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_ TOTAL.	127	145	147	148	147	159	149	179	269	199	177	154	2000	472	48.377
OVER FLOW...	14	19	0	0	0	39	56	83	157	82	61	0	511	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_14_KW_BALANCE_CAMBODIA IN SCENARIO1_1

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	1433	1486	1493	1605	1617	1554	1555	1579	1487	1490	1554	1520	18373
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1220	1304	1328	1366	1316	1327	1505	1572	1639	1630	1678	1366	17251
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1220	1304	1328	1366	1316	1327	1505	1572	1639	1630	1678	1366	17251
THERMAL,NUCLEAR	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	14357
SUPPLY CAPACITY.	2416	2500	2524	2563	2513	2523	2702	2769	2835	2826	2874	2562	31608
.MAINTENANCE....	10	10	10	10	10	10	75	104	380	336	268	10	1232
RESERVE CAPACITY	973	1004	1021	948	886	959	1072	1086	968	1000	1052	1032	12003
RESERVE_RATE (%)	67.9	67.564	68.386	59.065	54.793	61.712	68.939	68.778	65.098	67.114	67.696	67.895	65.327
(REFERENCE)													
.MAINTENANCE....	9	9	9	9	9	9	67	93	341	302	241	9	1107

TABLE_15_KWH_BALANCE_CAMBODIA IN SCENARIO1_1

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	695	631	762	775	841	772	773	798	728	728	698	736	8936	0	0
PURCHASE...	-148	-133	-148	-143	-148	-143	-148	-148	-143	-148	-143	-148	-1752	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	507	501	581	593	595	658	729	825	848	854	848	697	8236	1678	56.03
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
from_Vietnam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	168	152	168	162	168	162	156	151	98	109	117	168	1778	600	33.828
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Import.....	207	188	207	201	207	201	207	207	201	207	201	207	2444	310	89.999
.DIESEL(D.O)	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
.DIESEL(OIL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	126	114	126	122	126	122	117	113	73	82	88	126	1334	200	76.142
GENE..TOTAL.	1008	953	1082	1078	1097	1143	1210	1297	1220	1252	1254	1199	13792	2874	54.774
OVER FLOW...	164	188	172	159	107	227	288	350	347	375	412	314	3103	0	0
SHORTAGE...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_16_KW_BALANCE_Thai NORTHEAST IN SCENARIO1_1

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	3352	3777	4018	4061	4045	3904	3879	3891	3838	3806	3926	3687	46184
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
THERMAL,NUCLEAR	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	16992
SUPPLY_CAPACITY.	4007	4161	4513	4431	4390	4780	5029	5238	5444	5332	5059	4931	57316
.MAINTENANCE....	0	0	0	0	0	0	20	236	541	462	0	188	1447
RESERVE_CAPACITY	655	384	495	370	345	876	1130	1111	1065	1064	1133	1056	9686
RESERVE_RATE (%)	19.541	10.167	12.32	9.111	8.529	22.439	29.131	28.553	27.749	27.956	28.859	28.641	20.972
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	18	212	487	416	0	169	1302

TABLE_17_KWH_BALANCE_THAI NORTHEAST IN SCENARIO1_1

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	1476	1509	1793	1884	1942	1790	1893	1848	1761	1768	1701	1630	20995	0	0
PURCHASE....	-353	-166	-131	-44	-39	-205	-470	-740	-631	-621	-348	-381	-4139	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	1322	1217	1271	1300	1338	1517	1875	2167	2079	2040	1569	1575	19270	4028	54.612
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	508	459	654	630	644	480	489	421	315	350	480	437	5866	1410	47.492
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE..TOTAL.	1830	1676	1925	1929	1982	1996	2364	2589	2394	2390	2049	2011	25136	5444	52.704
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_18_KW_BALANCE_THAI CENTRAL SOUTH IN SCENARIO1_1

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	36566	39610	40725	41945	42439	40979	40146	40291	39770	39988	40632	38794	481885
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1925	2659	2694	2783	2659	2688	2494	2547	2449	3103	2734	1905	30640
.....PA....	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	12000
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2925	3659	3694	3783	3659	3688	3494	3547	3449	4103	3734	2905	42640
THERMAL,NUCLEAR	46558	46558	46658	46658	46658	46658	46658	46658	46658	46658	46658	46658	559697
SUPPLY_CAPACITY.	49483	50217	50352	50441	50318	50346	50153	50205	50107	50761	50392	49563	602337
.MAINTENANCE....	8690	5652	4390	2946	2182	4062	4902	4777	5327	5778	4552	5958	59217
RESERVE_CAPACITY	4227	4955	5237	5550	5697	5305	5105	5137	5010	4995	5208	4811	61235
RESERVE_RATE_(%)	11.56	12.509	12.859	13.232	13.424	12.946	12.716	12.75	12.597	12.491	12.817	12.401	12.707
(REFERENCE)													
.MAINTENANCE....	7821	5087	3951	2651	1964	3656	4412	4299	4794	5200	4097	5362	53294

TABLE_19_KWH_BALANCE_THAI CENTRAL SOUTH IN SCENARIO1_1

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL...	...INS.CAP...	...AVAIL.F...
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	21749	21308	24621	24376	25095	23934	24016	24793	23743	24402	24219	22506	284764	0	0
PURCHASE....	629	398	406	211	123	441	760	1054	941	915	610	547	7036	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	374	438	551	487	401	345	392	510	508	410	418	333	5166	3275	18.007
PUMPED_HYDRO	104	127	130	152	120	120	149	143	157	125	154	148	1628	1000	18.584
NUCLEAR.....	800	916	1104	1167	1259	1090	1067	1076	1004	1005	1057	993	12538	2000	71.564
.GAS - _ST...	1034	1013	1267	1275	1518	1212	1435	1458	1125	1158	1236	1211	14941	3597	47.417
.GAS - _C/C..	14250	13975	16083	15991	16268	15758	15204	15523	15238	15860	15844	14414	184406	29667	70.957
.GAS - _GT...	0	0	0	0	1	0	0	0	0	0	0	0	1	168	0.068
.OIL - _ST...	170	167	191	192	209	187	192	189	181	190	184	184	2235	2989	8.536
.OIL - _GT...	76	70	79	77	80	76	78	78	76	78	76	78	922	122	86.271
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - _ST..	4469	4394	5030	5050	5318	4909	4963	4979	4750	4849	4847	4826	58383	8099	82.291
GENE_ TOTAL.	21276	21100	24433	24392	25175	23697	23480	23958	23036	23672	23816	22186	280222	50916	62.826
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-155	-190	-218	-227	-204	-204	-223	-219	-234	-186	-207	-227	-2494	0	0

(3) シナリオ2

TABLE 1 TOTAL PURCHASE ACCOUNT BALANCE in SCENARIO2

FY. 2020 TOTAL (GWH,10**6CENT)

	Vietnam N		Vietnam C		Vietnam S		Laos NC1		Laos C2		Laos S		Cambodia		Thai NE		Thai CS		Myanmar		TOTAL	
	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND
(K W PURCHASE)																						
PURCHASE GWH	0	12	-1	53	-106	0	-37	7	-44	0	0	38	0	3	0	72	0	4	0	0	-188	188
FIXED COST	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---
FUEL COST	0	27	21	33	773	0	1052	0	1276	0	0	0	0	0	0	51	0	44	0	0	3122	156
TRANSMIT	0	---	0	---	68	---	17	---	14	---	0	---	0	---	0	---	0	---	0	---	99	---
EXPENSE,INCOME	0	-341	21	-390	841	0	1069	-211	1290	0	0	-1063	0	-23	0	-1068	0	-27	0	0	3222	-3122
(E C PURCHASE)																						
PURCHASE GWH	0	15018	-645	2011	-2059	1704	0	1448	0	384	0	751	0	1267	-108	4072	-23843	0	0	1	-26656	26656
FUEL COST	0	26102	-3539	11721	-12146	10931	-2	1451	-3	0	0	0	0	0	-838	1747	-186311	0	-1	2	-202841	51954
TRANSMIT	0	---	430	---	1418	---	0	---	0	---	0	---	0	---	27	---	13771	---	0	---	15646	---
MERIT	0	38564	1362	5017	4353	2893	1	3802	0	1086	0	1950	0	3190	276	11117	61629	0	0	1	67620	67620
EXPENSE,INCOME	0	-64666	2177	-16739	7794	-13824	1	-5252	3	-1086	0	-1950	0	-3190	562	-12864	124683	0	1	-3	135221	-119575
(T O T A L)																						
PURCHASE GWH	0	15030	-647	2065	-2165	1704	-37	1455	-44	384	0	788	0	1270	-108	4144	-23843	4	0	1	-26844	26844
EXPENSE,INCOME	0	-65007	2198	-17128	8634	-13824	1070	-5464	1293	-1086	0	-3013	0	-3213	562	-13932	124683	-27	1	-3	138442	-122697
ENERGY BALANCE	15030		1418		-461		1418		339		788		1270		4035		-23839		0		0	
ACCOUNT BALANCE	-65007		-14930		-5189		-4393		208		-3013		-3213		-13370		124656		-2		15746	

TABLE 2. KW_BALANCE_VIETNAM_NORTH IN SCENARIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	....TOTAL
....DEMAND.....	24033	24833	27029	28831	28858	29837	29704	30343	29581	28854	31041	29225	342169
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	1080	1080	1080	1620	1620	1620	2250	2250	2250	1620	1620	1620	19710
.HYDRO_A.....	731	741	793	722	887	909	909	909	909	895	895	787	10084
.....AB....	7495	7776	7813	8191	8915	8556	8864	9181	9741	9776	9382	8472	104163
.....PA....	116	116	146	134	300	600	600	600	595	600	600	250	4658
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	8343	8633	8752	9048	10102	10065	10372	10689	11245	11271	10876	9509	118904
THERMAL,NUCLEAR	23800	23800	23800	23800	23800	23800	23800	23800	24800	24800	24800	24770	289570
SUPPLY CAPACITY.	33223	33513	33632	34468	35522	35485	36422	36739	38295	37691	37296	35899	428184
.MAINTENANCE....	7731	7082	4549	3289	4428	3198	4400	3977	6630	6842	3748	4401	60274
RESERVE_CAPACITY	1459	1598	2054	2348	2236	2450	2318	2419	2084	1995	2507	2273	25741
RESERVE_RATE_(%)	6.071	6.435	7.599	8.144	7.748	8.211	7.804	7.972	7.045	6.914	8.076	7.778	7.523
(REFERENCE)													
.MAINTENANCE....	6958	6374	4094	2960	3985	2878	3960	3579	5967	6158	3373	3961	54247

TABLE 3_KWH_BALANCE_VIETNAM NORTH IN SCENARIO2

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL.	..INS.CAP.	...AVAIL.F
DEMAND.....	12867	12009	14471	15285	15813	15795	16521	16589	15723	15058	14998	15225	180353	0	0
PURCHASE....	-1068	-983	-918	-1249	-1382	-1410	-1465	-1474	-928	-1381	-1381	-1377	-15029	0	0
OTHERS.....	573	517	573	832	859	832	1208	1208	1169	859	832	859	10321	2063	57.111
CONVEN.HYDRO	2450	2368	2676	2669	3428	3777	5137	5533	3407	3544	3003	2596	40588	10710	43.262
PUMPED_HYDRO	40	37	41	36	25	69	63	23	14	64	77	81	569	475	13.675
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-West...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL.....	1	1	0	0	1	1	1	1	2	0	0	0	9	28	3.669
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	1880	1745	1873	2347	2278	1983	1711	1726	2647	2487	2359	2785	25821	5333	55.271
.COAL.....	9053	8379	10288	10705	10641	10648	9963	9608	9434	9581	10224	10402	118926	18770	72.328
GENE. TOTAL.	13996	13048	15451	16588	17233	17310	18081	18099	16673	16536	16495	16723	196233	37378	59.932
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-60	-55	-61	-53	-37	-104	-93	-35	-21	-96	-114	-121	-849	0	0

TABLE 4. KW_BALANCE_VIETNAM CENTRAL IN SCENARIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	6179	6340	6769	7293	7296	7523	7490	7646	7460	7461	8139	7235	86831
...PURCHASE....	0	0	26	0	0	0	0	0	0	0	0	0	26
...OTHERS.....	29	36	36	36	36	36	45	45	45	36	29	36	445
.HYDRO A.....	403	436	495	549	545	551	579	533	574	652	687	487	6493
.....AB....	3413	3601	3567	3746	3634	4347	4553	5686	5488	5391	4906	4134	52464
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	3815	4037	4062	4296	4179	4898	5132	6219	6061	6043	5593	4621	58957
THERMAL,NUCLEAR	2834	2834	2834	3434	3434	3434	3434	3434	3434	3434	3434	3434	39408
SUPPLY CAPACITY.	6678	6907	6958	7766	7649	8368	8611	9698	9540	9513	9056	8091	98836
.MAINTENANCE...	0	0	0	0	0	208	452	1470	1522	1490	157	184	5484
RESERVE CAPACITY	499	567	189	473	353	637	669	582	558	562	760	672	6521
RESERVE_RATE_(%)	8.076	8.943	2.792	6.486	4.838	8.467	8.932	7.612	7.48	7.533	9.338	9.288	7.51
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	187	407	1323	1369	1341	141	166	4934

TABLE_5_KWH_BALANCE_VIETNAM CENTRAL IN SCENARIO2

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	..INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	3697	3436	4082	4200	4343	4314	4502	4516	4299	4237	4637	4257	50521	0	0
PURCHASE....	-68	-101	119	-160	-48	-133	-24	31	-285	-384	-121	-234	-1417	0	0
OTHERS.....	35	40	44	43	44	43	55	55	54	44	34	44	537	150	40.868
CONVEN.HYDRO	2017	1914	2195	2169	2159	2481	2695	3412	3343	3640	3056	2647	31727	7791	46.487
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-Center.	919	860	921	965	978	842	787	512	651	354	549	699	9038	1500	68.782
.OIL.....	7	7	7	7	7	7	7	5	5	19	7	7	93	104	10.208
BOT.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	769	700	776	1158	1185	1059	968	492	523	555	1097	1078	10359	1650	71.669
.COAL.....	19	17	19	19	19	16	16	9	9	10	17	16	186	30	70.776
GENE_TOTAL.	3766	3538	3963	4361	4392	4448	4527	4486	4585	4622	4760	4492	51940	11225	52.821
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 6_KW_BALANCE_VIETNAM SOUTH IN SCENARIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	30009	30972	33395	32527	32556	33518	33377	34045	33267	33910	35414	36081	399071
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	1829	1836	1836	2286	2286	2286	2295	1845	1845	1836	1649	1746	23575
.HYDRO A.....	603	604	619	641	696	726	652	578	246	726	726	677	7492
.....AB....	2061	2151	2262	2127	1631	2102	2371	2600	2238	2980	2983	2601	28106
.....PA....	1630	1659	1729	1586	1752	1130	1723	1867	1479	2373	2400	2231	21560
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	4295	4413	4611	4355	4079	3958	4745	5045	3963	6078	6109	5508	57158
THERMAL,NUCLEAR	37327	37327	37327	37327	37327	38327	38327	38327	38327	38327	38327	38327	454922
SUPPLY CAPACITY.	43450	43576	43773	43967	43692	44571	45367	45217	44135	46241	46084	45581	535655
.MAINTENANCE....	9819	8726	5839	7167	6823	6568	7633	6610	6405	7921	5819	4406	83735
RESERVE CAPACITY	3622	3878	4539	4273	4313	4485	4357	4562	4463	4410	4851	5094	52848
RESERVE_RATE_(%)	12.07	12.521	13.592	13.137	13.248	13.381	13.054	13.4	13.416	13.005	13.698	14.118	13.243
(REFERENCE)													
.MAINTENANCE....	8837	7853	5255	6450	6141	5911	6870	5949	5764	7129	5237	3965	75361

TABLE 7_KWH_BALANCE_VIETNAM SOUTH IN SCENARIO2

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	17477	16268	19513	18664	19309	19240	20108	20184	19160	20156	19970	20454	230504	0	0
PURCHASE....	-258	-183	-581	37	79	260	181	204	-202	454	199	276	461	0	0
OTHERS.....	206	210	214	258	253	179	301	263	207	366	336	354	3147	150	239.498
CONVEN.HYDRO	929	849	951	975	1027	1134	1203	1407	1412	1663	1343	1014	13908	3710	42.794
PUMPED_HYDRO	351	348	384	337	356	370	293	314	389	403	383	435	4362	2400	20.748
NUCLEAR.....	532	496	597	557	581	566	567	584	569	563	578	620	6809	1000	77.728
LNG.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS.....	1488	1334	1561	1456	1417	1439	1047	1122	1438	1464	1457	1432	16656	3334	57.03
GAS-West....	5056	4495	5357	4871	4919	4358	5393	4884	4479	4695	4536	4386	57430	11100	59.062
OIL.....	0	0	35	17	0	2	0	0	8	3	5	0	71	504	1.608
BOT.....	830	770	911	855	891	867	874	895	870	869	882	940	10453	1440	82.866
DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COAL -Imp....	8865	8462	10659	9807	10318	10622	10684	10981	10571	10279	10820	11644	123708	20533	68.777
COAL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	18257	16965	20668	19134	19761	19537	20364	20450	19943	20303	20339	20824	236544	44170	61.134
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-521	-513	-573	-506	-532	-556	-437	-470	-580	-601	-567	-646	-6501	0	0

TABLE 8_KW_BALANCE_LAOS NORTH CENTRAL1 INSCEANRIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	....TOTAL
....DEMAND.....	948	903	901	1038	1051	864	935	935	935	884	882	872	11148
...PURCHASE.....	0	0	0	105	219	0	0	0	0	0	0	0	323
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	33	33	33	32	21	80	106	108	107	96	26	33	708
.....AB....	797	766	777	718	632	675	878	941	954	900	742	778	9559
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	830	798	810	750	653	755	985	1049	1060	996	768	812	10267
THERMAL,NUCLEAR	200	200	200	200	200	200	200	200	200	200	200	200	2401
SUPPLY CAPACITY.	1030	998	1010	1055	1072	955	1185	1249	1260	1196	968	1012	12991
.MAINTENANCE...	0	0	0	0	0	0	17	89	101	101	0	0	307
RESERVE CAPACITY	82	95	109	17	21	91	233	225	224	211	86	140	1536
RESERVE_RATE_(%)	8.65	10.52	12.098	1.638	1.998	10.532	24.92	24.064	23.957	23.869	9.751	16.055	13.78
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	15	80	91	91	0	0	277

TABLE_9_KWH_BALANCE_LAOS NORTH CENTRAL1 IN SCENARIO2

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	..INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	397	392	399	468	485	445	486	486	470	449	387	402	5268	0	0
PURCHASE....	-127	-103	-177	-51	19	-103	-154	-178	-178	-159	-131	-66	-1417	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	402	377	440	389	326	417	577	623	611	571	387	400	5520	1191	52.908
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
.COAL_ - ST..	124	118	138	132	138	132	64	42	37	38	132	69	1165	200	66.495
GENE_TOTAL.	526	495	577	520	465	550	641	665	649	609	519	470	6686	1392	54.845
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 10_KW_BALANCE_LAOS CENTRAL2 IN SCENARIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	141	155	206	213	238	251	247	239	270	271	293	292	2816
...PURCHASE....	0	0	14	1	19	0	0	0	0	0	0	21	55
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	204	204	196	217	222	307	329	324	332	335	319	275	3265
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	204	204	196	217	222	307	329	324	332	335	319	275	3265
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY CAPACITY.	204	205	210	218	242	307	329	324	333	335	319	296	3321
.MAINTENANCE...	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE CAPACITY	63	50	4	5	4	56	82	85	63	64	26	4	505
RESERVE_RATE_(%)	44.681	32.258	1.942	2.347	1.681	22.311	33.198	35.565	23.333	23.616	8.874	1.37	17.928
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_11_KWH_BALANCE_LAOS CENTRAL2 IN SCENARIO2

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	67	80	113	111	127	134	130	124	144	141	134	169	1474	0	0
PURCHASE....	-53	-31	10	0	11	-37	-63	-65	-40	-48	-38	24	-338	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	121	111	103	112	117	172	195	193	185	190	173	145	1816	348	59.571
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_ - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_ - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_ - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	122	111	103	112	117	172	195	193	186	190	173	145	1817	348	59.57
OVER_FLOW...	0	0	0	0	0	0	1	3	0	0	0	0	3	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_12_KW_BALANCE_LAOS SOUTH IN SCEANRIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	77	94	101	87	92	82	63	66	65	74	65	74	940
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A....	7	15	14	5	9	50	35	56	56	34	11	15	308
.....AB....	195	219	231	231	224	210	198	215	351	267	262	225	2828
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	202	234	245	236	233	261	233	271	407	301	274	240	3137
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY CAPACITY.	202	234	245	236	233	261	233	271	407	301	274	240	3138
.MAINTENANCE...	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE CAPACITY	125	140	144	149	141	179	170	205	342	227	209	166	2198
RESERVE_RATE_(%)	162.338	148.936	142.574	171.264	153.261	218.293	269.841	310.606	526.154	306.757	321.538	224.324	233.824
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_13_KWH_BALANCE_LAOS SOUTH IN SCEANRIO2

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	34	37	43	38	34	28	22	27	23	32	26	32	376	0	0
PURCHASE....	-66	-59	-66	-64	-66	-64	-66	-66	-64	-66	-64	-66	-787	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	127	145	147	148	147	159	149	179	269	199	177	153	1999	472	48.347
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_- ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_- C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_- GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_- ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_- GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_- ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	127	145	147	148	147	159	149	179	269	199	177	154	2000	472	48.377
OVER_FLOW...	27	48	38	46	46	66	60	85	181	100	86	55	836	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 14_KW_BALANCE_CAMBODIA IN SCENARIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	1433	1486	1493	1605	1617	1554	1555	1579	1487	1490	1554	1520	18373
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1220	1304	1322	1366	1316	1327	1505	1572	1664	1630	1678	1366	17270
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1220	1304	1322	1366	1316	1327	1505	1572	1664	1630	1678	1366	17270
THERMAL,NUCLEAR	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	14357
SUPPLY CAPACITY.	2416	2500	2519	2563	2513	2523	2702	2769	2860	2826	2874	2562	31627
.MAINTENANCE...	10	10	10	10	10	10	75	104	380	336	268	10	1232
RESERVE CAPACITY	973	1004	1016	948	886	959	1072	1086	993	1000	1052	1032	12022
RESERVE_RATE_(%)	67.9	67.564	68.051	59.065	54.793	61.712	68.939	68.778	66.779	67.114	67.696	67.895	65.434
(REFERENCE)													
.MAINTENANCE....	9	9	9	9	9	9	67	93	341	302	241	9	1107

TABLE 15_KWH_BALANCE_CAMBODIA IN SCENARIO2

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	695	631	762	775	841	772	773	798	728	728	698	736	8936	0	0
PURCHASE....	-71	-70	-71	-63	-134	-142	-148	-147	-3	-137	-133	-138	-1269	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	507	501	581	593	595	658	729	825	848	854	848	697	8236	1678	56.03
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
from_Vietnam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_- C/C..	168	152	168	162	168	162	156	151	98	109	117	168	1778	600	33.828
.GAS_- GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_- ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Import.....	207	188	207	201	207	201	207	207	201	207	201	207	2444	310	89.999
.DIESEL(D.O)	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
.DIESEL(OIL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_- _ST..	126	114	126	122	126	122	117	113	73	82	88	126	1334	200	76.142
GENE_TOTAL.	1008	953	1082	1078	1097	1143	1210	1297	1220	1252	1254	1199	13792	2874	54.774
OVER FLOW...	240	252	249	239	121	228	288	350	487	385	422	323	3585	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 16_KW_BALANCE_Thai NORTHEAST IN SCENARIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	3352	3777	4018	4061	4045	3904	3879	3891	3838	3806	3926	3687	46184
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	2591	2745	3097	3015	2974	3254	3613	3822	4028	3916	3643	3515	40214
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2591	2745	3097	3015	2974	3254	3613	3822	4028	3916	3643	3515	40214
THERMAL,NUCLEAR	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	16992
SUPPLY CAPACITY.	4007	4161	4513	4431	4390	4670	5029	5238	5444	5332	5059	4931	57206
.MAINTENANCE...	0	0	0	0	0	0	20	236	541	462	0	188	1447
RESERVE CAPACITY	655	384	495	370	345	766	1130	1111	1065	1064	1133	1056	9575
RESERVE_RATE_(%)	19.541	10.167	12.32	9.111	8.529	19.621	29.131	28.553	27.749	27.956	28.859	28.641	20.733
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	18	212	487	416	0	169	1302

TABLE_17_KWH_BALANCE_THAI NORTHEAST IN SCENARIO2

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	..INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	1476	1509	1793	1884	1942	1790	1893	1848	1761	1768	1701	1630	20995	0	0
PURCHASE....	-350	-163	-93	-5	10	-226	-470	-740	-640	-621	-347	-381	-4034	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	1322	1217	1271	1300	1338	1517	1875	2167	2079	2040	1569	1575	19270	4028	54.612
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_- ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_- C/C..	505	456	616	590	594	500	489	421	323	350	480	437	5760	1410	46.634
.GAS_- GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_- ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_- GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
.COAL_- ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	1827	1674	1887	1890	1932	2017	2364	2588	2402	2390	2049	2011	25031	5444	52.485
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 18_KW_BALANCE_THAI CENTRAL SOUTH IN SCENARIO2

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	36566	39610	40725	41945	42439	40979	40146	40291	39770	39988	40632	38794	481885
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1925	2659	2694	2783	2659	3181	2494	2547	2449	3103	2734	1905	31133
.....PA....	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	12000
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2925	3659	3694	3783	3659	4181	3494	3547	3449	4103	3734	2905	43133
THERMAL,NUCLEAR	46558	46558	46658	46658	46658	46658	46658	46658	46658	46658	46658	46658	559697
SUPPLY CAPACITY.	49483	50217	50352	50441	50318	50839	50153	50205	50107	50761	50392	49563	602830
.MAINTENANCE....	8690	5652	4390	2946	2182	4062	4902	4777	5327	5778	4552	5958	59217
RESERVE CAPACITY	4227	4955	5237	5550	5697	5798	5105	5137	5010	4995	5208	4811	61728
RESERVE_RATE_(%)	11.56	12.509	12.859	13.232	13.424	14.149	12.716	12.75	12.597	12.491	12.817	12.401	12.81
(REFERENCE)													
.MAINTENANCE....	7821	5087	3951	2651	1964	3656	4412	4299	4794	5200	4097	5362	53294

TABLE_19_KWH_BALANCE_THAI CENTRAL SOUTH IN SCENARIO2

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	..INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	21749	21308	24621	24376	25095	23934	24016	24793	23743	24402	24219	22506	284764	0	0
PURCHASE....	2070	1701	1783	1562	1516	1862	2216	2440	2347	2349	2024	1968	23839	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	374	438	551	487	401	345	392	510	508	410	418	333	5166	3275	18.007
PUMPED_HYDRO	19	23	24	29	73	104	20	162	37	136	83	50	759	1000	8.664
NUCLEAR.....	800	916	1104	1167	1259	1090	1067	1076	1004	1005	1057	993	12538	2000	71.564
.GAS_- ST...	998	997	1181	1213	1249	1160	1148	1230	1118	1146	1156	1112	13708	3597	43.504
.GAS_- C/C..	12803	12637	14739	14642	15104	14357	13972	14369	13779	14449	14503	13042	168394	29667	64.796
.GAS_- GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	168	0
.OIL_- ST...	170	167	192	192	202	187	189	190	181	185	184	184	2220	2989	8.479
.OIL_- GT...	76	70	79	77	80	76	78	78	76	78	76	78	922	122	86.271
DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_- ST..	4469	4394	5030	5050	5318	4909	4963	4979	4750	4849	4847	4826	58383	8099	82.291
GENE_TOTAL.	19708	19641	22899	22857	23688	22227	21830	22595	21451	22257	22324	20615	262091	50916	58.761
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-29	-34	-61	-43	-108	-155	-30	-242	-55	-204	-129	-77	-1166	0	0

(4) シナリオ3

TABLE 1 TOTAL PURCHASE ACCOUNT BALANCE in SCENARIO3

FY. 2020 TOTAL (GWH,10**6CENT)

	Vietnam_N		Vietnam_C		Vietnam_S		Laos_NC1		Laos_C2		Laos_S		Cambodia		Thai_NE		Thai_CS		Myanmar		TOTAL		
	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	
(K W PURCHASE)																							
PURCHASE GWH	0	24	-1	4	-106	0	-37	7	-44	0	0	37	0	4	0	113	0	0	0	0	0	-188	188
FIXED COST	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	0	---
FUEL COST	0	50	21	28	773	0	1052	0	1276	0	0	0	0	0	0	0	0	0	0	0	0	3122	78
TRANSMIT	0	---	1	---	140	---	12	---	14	---	0	---	0	---	0	---	0	---	0	---	0	166	---
EXPENSE,INCOME	0	-428	22	-28	913	0	1063	-211	1290	0	0	-1045	0	-40	0	-1370	0	0	0	0	0	3288	-3122
(E C PURCHASE)																							
PURCHASE GWH	0	20972	-1075	1003	-6286	1558	-1	1447	0	384	0	752	0	1271	-55	4047	-24017	0	0	0	1	-31434	31434
FUEL COST	0	35988	-5175	4656	-31171	11085	-3	1447	-3	0	0	0	0	0	-423	1928	-187411	0	-1	2	-224188	55105	
TRANSMIT	0	---	681	---	6235	---	1	---	0	---	0	---	0	---	9	---	5088	---	0	---	0	12013	---
MERIT	0	51762	2126	2065	8542	2438	2	4068	0	1167	0	2132	0	3098	167	11802	67698	0	0	2	78535	78535	
EXPENSE,INCOME	0	-87750	3050	-6721	22629	-13523	2	-5516	3	-1167	0	-2132	0	-3098	256	-13730	119713	0	1	-4	145654	-133640	
(TOTAL)																							
PURCHASE GWH	0	20995	-1077	1007	-6392	1558	-37	1454	-44	384	0	788	0	1274	-55	4160	-24017	0	0	0	1	-31622	31622
EXPENSE,INCOME	0	-88178	3072	-6749	23541	-13523	1065	-5726	1293	-1167	0	-3177	0	-3138	256	-15100	119713	0	1	-4	148942	-136762	
ENERGY BALANCE	20995		-70		-4833		1417		339		788		1274		4106		-24017		0		0		
ACCOUNT BALANCE	-88178		-3677		10018		-4661		126		-3177		-3138		-14844		119713		-2		12180		

TABLE 2. KW_BALANCE_VIETNAM_NORTH IN SCENARIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	....TOTAL
....DEMAND.....	24033	24833	27029	28831	28858	29837	29704	30343	29581	28854	31041	29225	342169
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	1080	1080	1080	1620	1620	1620	2250	2250	2250	1620	1620	1620	19710
.HYDRO_A.....	731	741	793	722	887	909	909	909	909	895	895	787	10084
.....AB....	7495	7776	7813	8191	8915	8556	8864	9181	9741	9776	9382	8472	104162
.....PA....	116	116	146	134	300	600	600	600	595	600	600	250	4658
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	8343	8633	8752	9047	10102	10065	10372	10689	11245	11271	10876	9509	118904
THERMAL,NUCLEAR	23800	23800	23800	23800	23800	23800	23800	23800	24800	24800	24800	24770	289570
SUPPLY_CAPACITY.	33223	33513	33632	34467	35522	35485	36422	36739	38295	37691	37296	35899	428184
.MAINTENANCE....	7731	7082	4549	3289	4428	3198	4400	3977	6630	6842	3748	4401	60274
RESERVE_CAPACITY	1459	1598	2054	2347	2236	2450	2318	2419	2084	1995	2507	2273	25741
RESERVE_RATE_(%)	6.071	6.435	7.599	8.141	7.748	8.211	7.804	7.972	7.045	6.914	8.076	7.778	7.523
(REFERENCE)													
.MAINTENANCE....	6958	6374	4094	2960	3985	2878	3960	3579	5967	6158	3373	3961	54247

TABLE_3_KWH_BALANCE_VIETNAM NORTH IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL.	..INS.CAP.	...AVAIL.F
DEMAND.....	12867	12009	14471	15285	15813	15795	16521	16589	15723	15058	14998	15225	180353	0	0
PURCHASE....	-1311	-1264	-1301	-1490	-1514	-2065	-2657	-2792	-1023	-1588	-2210	-1767	-20994	0	0
OTHERS.....	573	517	573	832	859	832	1208	1208	1169	859	832	859	10321	2063	57.111
CONVEN.HYDRO	2450	2368	2676	2669	3428	3777	5137	5533	3407	3544	3003	2596	40588	10710	43.262
PUMPED_HYDRO	40	37	28	6	11	14	16	60	14	13	56	53	348	475	8.363
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-West...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL.....	1	1	0	0	1	1	1	1	2	0	0	0	9	28	3.669
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	1911	1780	1904	2417	2324	2358	2221	2023	2743	2595	2794	2859	27930	5333	59.785
.COAL.....	9262	8626	10632	10862	10720	10900	10620	10646	9434	9655	10609	10705	122671	18770	74.606
GENE. TOTAL.	14238	13329	15815	16786	17344	17883	19203	19471	16768	16667	17293	17072	201867	37378	61.653
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-59	-55	-42	-9	-16	-21	-23	-89	-21	-20	-84	-79	-519	0	0

TABLE 4. KW_BALANCE_VIETNAM CENTRAL IN SCENARIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	6179	6340	6769	7293	7296	7523	7490	7646	7460	7461	8139	7235	86831
...PURCHASE....	0	0	26	0	0	0	0	0	0	0	0	0	26
...OTHERS.....	29	36	36	36	36	36	45	45	45	36	29	36	445
.HYDRO A.....	403	436	495	549	545	551	579	533	574	652	687	487	6492
.....AB....	3413	3601	3567	3746	3634	4353	4553	5686	5488	5391	4906	4134	52470
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	3815	4037	4062	4296	4179	4904	5132	6219	6061	6043	5593	4621	58962
THERMAL,NUCLEAR	2834	2834	2834	3434	3434	3434	3434	3434	3434	3434	3434	3434	39408
SUPPLY CAPACITY.	6678	6907	6958	7766	7649	8374	8611	9698	9540	9513	9056	8091	98841
.MAINTENANCE...	0	0	0	0	0	208	452	1470	1522	1490	157	184	5484
RESERVE CAPACITY	499	567	189	473	353	643	669	582	558	562	760	672	6526
RESERVE_RATE_(%)	8.076	8.943	2.792	6.486	4.838	8.547	8.932	7.612	7.48	7.533	9.338	9.288	7.516
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	187	407	1323	1369	1341	141	166	4934

TABLE_5_KWH_BALANCE_VIETNAM CENTRAL IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	3697	3436	4082	4200	4343	4314	4502	4516	4299	4237	4637	4257	50521	0	0
PURCHASE....	18	11	172	45	75	107	152	86	-191	-351	-37	-13	70	0	0
OTHERS.....	35	40	44	43	44	43	55	55	54	44	34	44	537	150	40.868
CONVEN.HYDRO	2017	1914	2195	2169	2159	2481	2695	3412	3343	3640	3056	2647	31727	7791	46.487
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-Center.	850	776	915	839	875	658	665	471	591	334	516	557	8045	1500	61.225
.OIL.....	7	7	7	7	7	7	7	5	5	8	7	7	81	104	8.891
BOT.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	752	672	730	1078	1164	1003	913	479	488	554	1048	1000	9881	1650	68.362
.COAL.....	18	17	18	18	19	16	15	9	9	10	15	16	180	30	68.493
GENE_TOTAL.	3679	3425	3910	4155	4268	4208	4350	4431	4490	4589	4676	4271	50451	11225	51.308
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 6_KW_BALANCE_VIETNAM SOUTH IN SCENARIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	30009	30972	33395	32527	32556	33518	33377	34045	33267	33910	35414	36081	399071
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
...OTHERS.....	1829	1836	1836	2286	2286	2286	2295	1845	1845	1836	1649	1746	23575
.HYDRO A.....	603	604	619	641	696	726	652	578	246	726	726	677	7492
.....AB....	2061	2151	2262	2127	1631	2102	2371	2600	2238	2980	2983	2601	28106
.....PA....	1630	1659	1729	1586	1752	1130	1723	1867	1479	2373	2400	2231	21560
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	4295	4413	4611	4355	4079	3958	4745	5045	3963	6078	6109	5508	57158
THERMAL,NUCLEAR	37327	37327	37327	37327	37327	38327	38327	38327	38327	38327	38327	38327	454922
SUPPLY CAPACITY.	43450	43576	43773	43967	43692	44571	45367	45217	44135	46241	46084	45581	535655
.MAINTENANCE....	9819	8726	5839	7167	6823	6568	7633	6610	6405	7921	5819	4406	83735
RESERVE CAPACITY	3622	3878	4539	4273	4313	4485	4357	4562	4463	4410	4851	5094	52848
RESERVE_RATE_(%)	12.07	12.521	13.592	13.137	13.248	13.381	13.054	13.4	13.416	13.005	13.698	14.118	13.243
(REFERENCE)													
.MAINTENANCE....	8837	7853	5255	6450	6141	5911	6870	5949	5764	7129	5237	3965	75361

TABLE.7_KWH_BALANCE_VIETNAM SOUTH IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	17477	16268	19513	18664	19309	19240	20108	20184	19160	20156	19970	20454	230504	0	0
PURCHASE....	-103	-12	-254	71	51	667	1176	1367	-170	670	942	433	4833	0	0
OTHERS.....	206	210	214	258	253	179	301	263	207	366	336	354	3147	150	239.498
CONVEN.HYDRO	929	849	951	975	1027	1134	1203	1407	1412	1663	1343	1014	13908	3710	42.794
PUMPED_HYDRO	351	351	402	333	362	369	381	345	380	411	389	434	4506	2400	21.433
NUCLEAR.....	532	496	597	557	581	566	567	584	569	563	578	620	6809	1000	77.728
LNG.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS.....	1486	1341	1560	1464	1421	1434	1089	662	1446	1458	1430	1434	16226	3334	55.557
GAS-West....	5089	4518	5343	4901	4989	4218	4625	4590	4527	4648	4185	4508	56140	11100	57.736
OIL.....	0	0	35	17	0	2	0	0	8	3	5	0	71	504	1.608
BOT.....	830	770	911	855	891	867	874	895	870	869	882	940	10453	1440	82.866
DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COAL -Imp....	8682	8268	10355	9735	10276	10358	10457	10588	10480	10118	10457	11364	121135	20533	67.346
COAL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	18104	16803	20368	19096	19800	19128	19500	19331	19898	20099	19604	20666	232394	44170	60.062
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-522	-521	-599	-502	-542	-554	-569	-514	-567	-613	-575	-645	-6724	0	0

TABLE 8_KW_BALANCE_LAOS NORTH CENTRAL1 INSCEANRIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	....TOTAL
....DEMAND.....	948	903	901	1038	1051	864	935	935	935	884	882	872	11148
...PURCHASE.....	0	0	0	105	219	0	0	0	0	0	0	0	323
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	33	33	33	32	21	80	106	108	107	96	26	33	708
.....AB....	797	766	777	718	632	676	878	941	954	900	742	778	9560
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	830	798	810	750	653	756	985	1049	1060	996	768	812	10268
THERMAL,NUCLEAR	200	200	200	200	200	200	200	200	200	200	200	200	2401
SUPPLY CAPACITY.	1030	998	1010	1055	1072	956	1185	1249	1260	1196	968	1012	12992
.MAINTENANCE...	0	0	0	0	0	0	17	89	101	101	0	0	307
RESERVE CAPACITY	82	95	109	17	21	92	233	225	224	211	86	140	1537
RESERVE_RATE_(%)	8.65	10.52	12.098	1.638	1.998	10.648	24.92	24.064	23.957	23.869	9.751	16.055	13.79
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	15	80	91	91	0	0	277

TABLE_9_KWH_BALANCE_LAOS NORTH CENTRAL1 IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	397	392	399	468	485	445	486	486	470	449	387	402	5268	0	0
PURCHASE....	-127	-102	-177	-50	20	-103	-154	-178	-178	-159	-131	-66	-1416	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	402	377	440	389	326	417	577	623	611	571	387	400	5520	1191	52.908
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
.COAL - ST..	124	118	138	132	138	132	64	42	37	38	132	69	1163	200	66.381
GENE_TOTAL..	526	495	577	520	465	550	641	665	649	609	519	470	6684	1392	54.833
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 10_KW_BALANCE_LAOS CENTRAL2 IN SCENARIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	141	155	206	213	238	251	247	239	270	271	293	292	2816
...PURCHASE.....	0	0	14	1	19	0	0	0	0	0	0	21	55
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	204	204	196	217	222	307	329	324	332	335	319	275	3265
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	204	204	196	217	222	307	329	324	332	335	319	275	3265
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY..	204	205	210	218	242	307	329	324	333	335	319	296	3321
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	63	50	4	5	4	56	82	85	63	64	26	4	505
RESERVE_RATE_(%)	44.681	32.258	1.942	2.347	1.681	22.311	33.198	35.565	23.333	23.616	8.874	1.37	17.928
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_11_KWH_BALANCE_LAOS CENTRAL2 IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	67	80	113	111	127	134	130	124	144	141	134	169	1474	0	0
PURCHASE....	-53	-31	10	0	11	-37	-63	-65	-40	-48	-38	24	-338	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	121	111	103	112	117	172	195	193	185	190	173	145	1816	348	59.571
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	122	111	103	112	117	172	195	193	186	190	173	145	1817	348	59.57
OVER_FLOW...	0	0	0	0	0	0	1	3	0	0	0	0	3	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_12_KW_BALANCE_LAOS SOUTH IN SCEANRIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	77	94	101	87	92	82	63	66	65	74	65	74	940
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A.....	7	15	14	5	9	50	35	56	56	34	11	15	309
.....AB....	195	219	245	231	224	210	198	215	351	267	262	225	2843
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	202	234	259	237	233	261	233	271	407	301	274	240	3151
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	202	234	260	237	233	261	233	271	407	301	274	240	3153
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	125	140	159	150	141	179	170	205	342	227	209	166	2213
RESERVE_RATE_(%)	162.338	148.936	157.426	172.414	153.261	218.293	269.841	310.606	526.154	306.757	321.538	224.324	235.388
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_13_KWH_BALANCE_LAOS SOUTH IN SCEANRIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	34	37	43	38	34	28	22	27	23	32	26	32	376	0	0
PURCHASE....	-66	-59	-66	-64	-66	-64	-66	-66	-64	-66	-64	-66	-787	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	127	145	147	148	147	159	149	179	269	199	177	153	1999	472	48.347
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	127	145	147	148	147	159	149	179	269	199	177	154	2000	472	48.377
OVER_FLOW...	27	48	38	46	46	66	60	85	181	100	86	55	836	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_14_KW_BALANCE_CAMBODIA IN SCENARIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	1433	1486	1493	1605	1617	1554	1555	1579	1487	1490	1554	1520	18373
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1220	1304	1334	1366	1316	1327	1505	1572	1664	1630	1678	1366	17282
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1220	1304	1334	1366	1316	1327	1505	1572	1664	1630	1678	1366	17282
THERMAL,NUCLEAR	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	14357
SUPPLY_CAPACITY.	2416	2500	2531	2563	2513	2523	2702	2769	2860	2826	2874	2562	31639
.MAINTENANCE....	10	10	10	10	10	10	75	104	380	336	268	10	1232
RESERVE_CAPACITY	973	1004	1028	948	886	959	1072	1086	993	1000	1052	1032	12034
RESERVE_RATE_(%)	67.9	67.564	68.855	59.065	54.793	61.712	68.939	68.778	66.779	67.114	67.696	67.895	65.499
(REFERENCE)													
.MAINTENANCE....	9	9	9	9	9	9	67	93	341	302	241	9	1107

TABLE_15_KWH_BALANCE_CAMBODIA IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	695	631	762	775	841	772	773	798	728	728	698	736	8936	0	0
PURCHASE....	-74	-70	-69	-64	-97	-138	-148	-147	-48	-137	-132	-138	-1273	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	507	501	581	593	595	658	729	825	848	854	848	697	8236	1678	56.03
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
from_Vietnam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-C/C..	168	152	168	162	168	162	156	151	98	109	117	168	1778	600	33.828
.GAS_-GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_-ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Import.....	207	188	207	201	207	201	207	207	201	207	201	207	2444	310	89.999
.DIESEL(D.O)	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
.DIESEL(OIL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_-ST..	126	114	126	122	126	122	117	113	73	82	88	126	1334	200	76.142
GENE_TOTAL.	1008	953	1082	1078	1097	1143	1210	1297	1220	1252	1254	1199	13792	2874	54.774
OVER FLOW...	238	252	251	239	158	232	288	350	442	385	423	324	3581	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_16_KW_BALANCE_Thai NORTHEAST IN SCENARIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	3352	3777	4018	4061	4045	3904	3879	3891	3838	3806	3926	3687	46184
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
THERMAL,NUCLEAR	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	16992
SUPPLY_CAPACITY.	4007	4161	4513	4431	4390	4780	5029	5238	5444	5332	5059	4931	57316
.MAINTENANCE....	0	0	0	0	0	0	20	236	541	462	0	188	1447
RESERVE_CAPACITY	655	384	495	370	345	876	1130	1111	1065	1064	1133	1056	9686
RESERVE_RATE_(%)	19.541	10.167	12.32	9.111	8.529	22.439	29.131	28.553	27.749	27.956	28.859	28.641	20.972
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	18	212	487	416	0	169	1302

TABLE 17_KWH_BALANCE_THAI NORTHEAST IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	1476	1509	1793	1884	1942	1790	1893	1848	1761	1768	1701	1630	20995	0	0
PURCHASE....	-350	-163	-100	-26	-27	-205	-470	-740	-641	-644	-347	-381	-4105	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	1322	1217	1271	1300	1338	1517	1875	2167	2079	2040	1569	1575	19270	4028	54.612
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	505	456	623	612	631	479	489	421	324	350	480	437	5808	1410	47.022
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	1827	1674	1894	1912	1970	1996	2364	2589	2403	2390	2049	2011	25078	5444	52.583
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	-24	0	0	-24	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_18_KW_BALANCE_THAI CENTRAL SOUTH IN SCENARIO3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	36566	39610	40725	41945	42439	40979	40146	40291	39770	39988	40632	38794	481885
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1925	2659	2694	2783	2659	2688	2494	2547	2449	3103	2734	1905	30640
.....PA....	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	12000
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2925	3659	3694	3783	3659	3688	3494	3547	3449	4103	3734	2905	42640
THERMAL,NUCLEAR	46558	46558	46658	46658	46658	46658	46658	46658	46658	46658	46658	46658	559697
SUPPLY_CAPACITY.	49483	50217	50352	50441	50318	50346	50153	50205	50107	50761	50392	49563	602337
.MAINTENANCE....	8690	5652	4390	2946	2182	4062	4902	4777	5327	5778	4552	5958	59217
RESERVE_CAPACITY	4227	4955	5237	5550	5697	5305	5105	5137	5010	4995	5208	4811	61235
RESERVE_RATE_(%)	11.56	12.509	12.859	13.232	13.424	12.946	12.716	12.75	12.597	12.491	12.817	12.401	12.707
(REFERENCE)													
.MAINTENANCE....	7821	5087	3951	2651	1964	3656	4412	4299	4794	5200	4097	5362	53294

TABLE 19_KWH_BALANCE_THAI CENTRAL SOUTH IN SCENARIO3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	21749	21308	24621	24376	25095	23934	24016	24793	23743	24402	24219	22506	284764	0	0
PURCHASE....	2074	1698	1791	1585	1553	1845	2234	2541	2362	2330	2024	1980	24017	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	374	438	551	487	401	345	392	510	508	410	418	333	5166	3275	18.007
PUMPED_HYDRO	19	23	24	29	72	107	20	164	33	160	83	50	783	1000	8.938
NUCLEAR.....	800	916	1104	1167	1259	1090	1067	1076	1004	1005	1057	993	12538	2000	71.564
.GAS - _ST...	1004	1000	1180	1215	1246	1164	1148	1189	1117	1153	1156	1112	13686	3597	43.434
.GAS - _C/C..	12793	12637	14733	14616	15069	14371	13954	14312	13763	14472	14503	13030	168251	29667	64.741
.GAS - _GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	168	0
.OIL - _ST...	170	167	192	193	202	187	189	190	181	185	184	184	2221	2989	8.482
.OIL - _GT...	76	70	79	77	80	76	78	78	76	78	76	78	922	122	86.271
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - _ST..	4469	4394	5030	5050	5318	4909	4963	4979	4750	4849	4847	4826	58383	8099	82.291
GENE_TOTAL..	19705	19644	22891	22834	23650	22248	21812	22497	21430	22310	22324	20604	261950	50916	58.73
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-29	-34	-60	-43	-108	-159	-30	-245	-49	-239	-129	-78	-1203	0	0

(4) シナリオ 4

TABLE 1 TOTAL PURCHASE ACCOUNT BALANCE in SCENARIO4

FY. 2020 TOTAL (GWH,10**6CENT)

	Vietnam_N		Vietnam_C		Vietnam_S		Laos_NC1		Laos_C2		Laos_S		Cambodia		Thai_NE		Thai_CS		Myanmar		TOTAL	
	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND
(K W PURCHASE)																						
PURCHASE GWH	0	11	-1	54	-106	0	-37	7	-44	0	0	38	0	42	0	33	0	6	-8	4	-196	196
FIXED COST	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---
FUEL COST	0	22	21	73	773	0	1052	0	1276	0	0	0	0	0	0	95	0	57	99	0	3221	247
TRANSMIT	0	---	1	---	52	---	9	---	14	---	0	---	0	---	0	---	0	---	1	---	78	---
EXPENSE,INCOME	0	-86	22	-395	825	0	1061	-211	1291	0	0	-1029	0	-320	0	-951	0	-114	101	-114	3300	-3221
(E C PURCHASE)																						
PURCHASE GWH	0	14054	-896	402	-15269	1	0	1472	0	384	0	750	0	1711	-56	4220	-7651	2	-63	940	-23934	23934
FUEL COST	0	23120	-4274	707	-81033	5	-1	1546	-3	0	0	0	0	0	-431	2576	-60885	12	-585	1516	-147212	29482
TRANSMIT	0	---	572	---	16527	---	0	---	0	---	0	---	0	---	8	---	1204	---	14	---	18325	---
MERIT	0	17040	1646	755	20705	0	0	5111	0	1429	0	2573	0	4565	170	15039	27126	0	55	3191	49703	49703
EXPENSE,INCOME	0	-40161	2627	-1462	60328	-5	1	-6657	3	-1429	0	-2573	0	-4565	261	-17615	33759	-13	531	-4706	97509	-79185
(T O T A L)																						
PURCHASE GWH	0	14065	-898	456	-15375	1	-37	1479	-44	384	0	788	0	1753	-56	4253	-7651	8	-70	944	-24130	24130
EXPENSE,INCOME	0	-40247	2649	-1857	61153	-5	1062	-6868	1294	-1429	0	-3602	0	-4885	261	-18566	33759	-127	631	-4820	100809	-82406
ENERGY BALANCE	14065		-442		-15374		1443		339		788		1753		4197		-7643		873		0	
ACCOUNT BALANCE	-40247		793		61148		-5806		-136		-3602		-4885		-18305		33632		-4189		18403	

TABLE 2._KW_BALANCE_VIETNAM_NORTH IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	24033	24833	27029	28831	28858	29837	29704	30343	29581	28854	31041	29225	342169
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	1080	1080	1080	1620	1620	1620	2250	2250	2250	1620	1620	1620	19710
.HYDRO A.....	731	741	793	722	887	909	909	909	909	895	895	787	10084
.....AB....	7495	7776	7813	8191	8915	8556	8864	9181	9741	9776	9382	8472	104162
.....PA....	116	116	146	134	300	600	600	600	595	600	600	250	4658
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	8343	8633	8752	9047	10102	10065	10372	10689	11245	11271	10876	9509	118904
THERMAL,NUCLEAR	23800	23800	23800	23800	23800	23800	23800	23800	24800	24800	24800	24770	289570
SUPPLY_CAPACITY.	33223	33513	33632	34467	35522	35485	36422	36739	38295	37691	37296	35899	428184
.MAINTENANCE....	7731	7082	4549	3289	4428	3198	4400	3977	6630	6842	3748	4401	60274
RESERVE_CAPACITY	1459	1598	2054	2347	2236	2450	2318	2419	2084	1995	2507	2273	25741
RESERVE_RATE_(%)	6.071	6.435	7.599	8.141	7.748	8.211	7.804	7.972	7.045	6.914	8.076	7.778	7.523
(REFERENCE)													
.MAINTENANCE....	6958	6374	4094	2960	3985	2878	3960	3579	5967	6158	3373	3961	54247

TABLE_3_KWH_BALANCE_VIETNAM NORTH IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	12867	12009	14471	15285	15813	15795	16521	16589	15723	15058	14998	15225	180353	0	0
PURCHASE....	-956	-904	-891	-1190	-1300	-1357	-1465	-1474	-693	-1253	-1325	-1245	-14064	0	0
OTHERS.....	573	517	573	832	859	832	1208	1208	1169	859	832	859	10321	2063	57.111
CONVEN.HYDRO	2450	2368	2676	2669	3428	3777	5137	5533	3407	3544	3003	2596	40588	10710	43.262
PUMPED_HYDRO	41	37	41	36	25	69	63	23	14	64	77	81	570	475	13.699
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-West...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL.....	1	1	0	0	1	1	1	1	2	0	0	0	9	28	3.669
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL -Imp...	1768	1666	1845	2288	2195	1930	1711	1726	2412	2358	2303	2654	24856	5333	53.205
.COAL.....	9053	8379	10288	10705	10641	10648	9963	9608	9434	9581	10224	10402	118926	18770	72.328
GENE. TOTAL.	13885	12969	15423	16530	17150	17257	18081	18099	16437	16408	16439	16592	195269	37378	59.638
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-61	-55	-61	-53	-37	-104	-93	-35	-21	-96	-114	-121	-851	0	0

TABLE 4._KW_BALANCE_VIETNAM CENTRAL IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	6179	6340	6769	7293	7296	7523	7490	7646	7460	7461	8139	7235	86831
...PURCHASE....	0	0	26	0	0	0	0	0	0	0	0	0	26
....OTHERS.....	29	36	36	36	36	36	45	45	45	36	29	36	445
.HYDRO A.....	403	436	495	549	545	552	579	533	574	652	687	487	6493
.....AB....	3413	3601	3567	3746	3634	4345	4553	5686	5456	5391	4906	4134	52432
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	3815	4037	4062	4296	4179	4897	5132	6219	6030	6043	5593	4621	58924
THERMAL,NUCLEAR	2834	2834	2834	3434	3434	3434	3434	3434	3434	3434	3434	3434	39408
SUPPLY_CAPACITY.	6678	6907	6958	7766	7649	8367	8611	9698	9509	9513	9056	8091	98803
.MAINTENANCE....	0	0	0	0	0	208	452	1470	1522	1490	157	184	5484
RESERVE_CAPACITY	499	567	189	473	353	636	669	582	527	562	760	672	6488
RESERVE_RATE_(%)	8.076	8.943	2.792	6.486	4.838	8.454	8.932	7.612	7.064	7.533	9.338	9.288	7.472
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	187	407	1323	1369	1341	141	166	4934

TABLE_5_KWH_BALANCE_VIETNAM CENTRAL IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	3697	3436	4082	4200	4343	4314	4502	4516	4299	4237	4637	4257	50521	0	0
PURCHASE....	103	90	137	66	171	87	139	56	-5	-347	-30	-22	442	0	0
OTHERS.....	35	40	44	43	44	43	55	55	54	44	34	44	537	150	40.868
CONVEN.HYDRO	2017	1914	2195	2169	2159	2481	2695	3412	3343	3640	3056	2647	31727	7791	46.487
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-Center.	777	700	937	767	495	662	674	475	410	333	454	532	7215	1500	54.909
.OIL.....	7	7	7	7	58	7	7	5	5	5	8	7	130	104	14.269
BOT.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	738	669	743	1129	1170	1018	916	503	485	554	1098	1034	10056	1650	69.572
.COAL.....	19	17	19	19	19	16	16	10	9	10	19	15	188	30	71.537
GENE_TOTAL.	3594	3346	3945	4134	3945	4228	4363	4460	4305	4585	4668	4280	49853	11225	50.699
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	-227	0	0	0	0	0	0	0	-227	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 6_KW_BALANCE_VIETNAM SOUTH IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	30009	30972	33395	32527	32556	33518	33377	34045	33267	33910	35414	36081	399071
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	1829	1836	1836	2286	2286	2286	2295	1845	1845	1836	1649	1746	23575
.HYDRO_A.....	603	604	619	641	696	726	652	578	246	726	726	677	7492
.....AB....	2061	2151	2262	2127	1631	2102	2371	2600	2238	2980	2983	2601	28106
.....PA....	1630	1659	1729	1586	1752	1130	1723	1867	1479	2373	2400	2231	21560
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	4295	4413	4611	4355	4079	3958	4745	5045	3963	6078	6109	5508	57158
THERMAL,NUCLEAR	37327	37327	37327	37327	37327	38327	38327	38327	38327	38327	38327	38327	454922
SUPPLY_CAPACITY.	43450	43576	43773	43967	43692	44571	45367	45217	44135	46241	46084	45581	535655
.MAINTENANCE....	9819	8726	5839	7167	6823	6568	7633	6610	6405	7921	5819	4406	83735
RESERVE_CAPACITY	3622	3878	4539	4273	4313	4485	4357	4562	4463	4410	4851	5094	52848
RESERVE_RATE_(%)	12.07	12.521	13.592	13.137	13.248	13.381	13.054	13.4	13.416	13.005	13.698	14.118	13.243
(REFERENCE)													
.MAINTENANCE....	8837	7853	5255	6450	6141	5911	6870	5949	5764	7129	5237	3965	75361

TABLE 7_KWH_BALANCE_VIETNAM SOUTH IN SCENARIO4

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	...INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	17477	16268	19513	18664	19309	19240	20108	20184	19160	20156	19970	20454	230504	0	0
PURCHASE....	1003	950	903	1269	1278	1415	1476	1568	844	1751	1501	1418	15374	0	0
OTHERS.....	206	210	214	258	253	179	301	263	207	366	336	354	3147	150	239.498
CONVEN.HYDRO	929	849	951	975	1027	1134	1203	1407	1412	1663	1343	1014	13908	3710	42.794
PUMPED_HYDRO	346	352	410	355	388	392	322	344	415	408	397	425	4553	2400	21.656
NUCLEAR.....	532	496	597	557	581	566	567	584	569	563	578	620	6809	1000	77.728
LNG.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS.....	840	769	1334	840	871	1363	475	456	1403	852	847	677	10729	3334	36.736
GAS-West....	4675	4154	4593	4492	4496	3838	4728	4443	3860	4317	4146	4293	52037	11100	53.516
OIL.....	0	0	0	0	0	1	0	0	0	0	0	0	1	504	0.023
BOT.....	830	770	911	855	891	867	874	895	870	869	882	940	10453	1440	82.866
DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COAL-Imp....	8631	8238	10210	9595	10108	10069	10639	10737	10199	9976	10530	11345	120280	20533	66.871
COAL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	16987	15838	19220	17928	18614	18411	19112	19131	18936	19014	19057	19668	221916	44170	57.354
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-512	-520	-610	-532	-583	-585	-480	-514	-619	-609	-588	-632	-6786	0	0

TABLE 8_KW_BALANCE_LAOS NORTH CENTRAL1 INSCEANRIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	948	903	901	1038	1051	864	935	935	935	884	882	872	11148
...PURCHASE.....	0	0	0	105	219	0	0	0	0	0	0	0	323
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	33	33	33	32	21	80	106	108	107	96	26	33	708
.....AB....	797	766	777	718	632	676	878	941	954	900	742	778	9560
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	830	798	810	750	653	756	985	1049	1060	996	768	812	10268
THERMAL,NUCLEAR	200	200	200	200	200	200	200	200	200	200	200	200	2401
SUPPLY_CAPACITY.	1030	998	1010	1055	1072	956	1185	1249	1260	1196	968	1012	12992
.MAINTENANCE....	0	0	0	0	0	0	17	89	101	101	0	0	307
RESERVE_CAPACITY	82	95	109	17	21	92	233	225	224	211	86	140	1537
RESERVE_RATE_(%)	8.65	10.52	12.098	1.638	1.998	10.648	24.92	24.064	23.957	23.869	9.751	16.055	13.79
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	15	80	91	91	0	0	277

TABLE_9_KWH_BALANCE_LAOS NORTH CENTRAL1 IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	397	392	399	468	485	445	486	486	470	449	387	402	5268	0	0
PURCHASE....	-141	-109	-178	-53	19	-104	-154	-178	-178	-159	-132	-66	-1442	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	402	377	440	389	326	417	577	623	611	571	387	400	5520	1191	52.908
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
.COAL - ST..	138	124	138	134	138	134	64	42	37	38	134	69	1189	200	67.865
GENE_TOTAL..	539	501	579	522	465	551	641	665	649	609	520	470	6710	1392	55.045
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 10_KW_BALANCE_LAOS CENTRAL2 IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	141	155	206	213	238	251	247	239	270	271	293	292	2816
...PURCHASE....	0	0	14	1	19	0	0	0	0	0	0	21	55
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	204	204	196	217	222	307	329	324	332	335	319	275	3265
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	204	204	196	217	222	307	329	324	332	335	319	275	3265
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	204	205	210	218	242	307	329	324	333	335	319	296	3321
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	63	50	4	5	4	56	82	85	63	64	26	4	505
RESERVE_RATE_(%)	44.681	32.258	1.942	2.347	1.681	22.311	33.198	35.565	23.333	23.616	8.874	1.37	17.928
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_11_KWH_BALANCE_LAOS CENTRAL2 IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	67	80	113	111	127	134	130	124	144	141	134	169	1474	0	0
PURCHASE....	-53	-31	10	0	11	-37	-63	-65	-40	-48	-38	24	-338	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	121	111	103	112	117	172	195	193	185	190	173	145	1816	348	59.571
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	122	111	103	112	117	172	195	193	186	190	173	145	1817	348	59.57
OVER_FLOW...	0	0	0	0	0	0	1	3	0	0	0	0	3	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_12_KW_BALANCE_LAOS SOUTH IN SCEANRIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	77	94	101	87	92	82	63	66	65	74	65	74	940
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A.....	7	15	2	5	9	50	35	56	56	34	11	15	296
.....AB....	195	219	215	231	224	210	198	215	351	267	262	225	2813
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	202	234	217	237	233	261	233	271	407	301	274	240	3109
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	202	234	217	237	233	261	233	271	407	301	274	240	3110
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	125	140	116	150	141	179	170	205	342	227	209	166	2170
RESERVE_RATE_(%)	162.338	148.936	114.851	172.414	153.261	218.293	269.841	310.606	526.154	306.757	321.538	224.324	230.839
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_13_KWH_BALANCE_LAOS SOUTH IN SCEANRIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	34	37	43	38	34	28	22	27	23	32	26	32	376	0	0
PURCHASE....	-66	-59	-66	-64	-66	-64	-66	-66	-64	-66	-64	-66	-787	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	127	145	147	148	147	159	149	179	269	199	177	153	1999	472	48.347
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_ TOTAL.	127	145	147	148	147	159	149	179	269	199	177	154	2000	472	48.377
OVER_FLOW...	27	48	38	46	46	66	60	85	181	100	86	55	836	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_14_KW_BALANCE_CAMBODIA IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	1433	1486	1493	1605	1617	1554	1555	1579	1487	1490	1554	1520	18373
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1220	1304	1328	1366	1316	1327	1505	1572	1639	1630	1678	1366	17251
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1220	1304	1328	1366	1316	1327	1505	1572	1639	1630	1678	1366	17251
THERMAL,NUCLEAR	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	14357
SUPPLY_CAPACITY.	2416	2500	2524	2563	2513	2523	2702	2769	2835	2826	2874	2562	31608
.MAINTENANCE....	10	10	10	10	10	10	75	104	380	336	268	10	1232
RESERVE_CAPACITY	973	1004	1021	948	886	959	1072	1086	968	1000	1052	1032	12003
RESERVE_RATE_(%)	67.9	67.564	68.386	59.065	54.793	61.712	68.939	68.778	65.098	67.114	67.696	67.895	65.327
(REFERENCE)													
.MAINTENANCE....	9	9	9	9	9	9	67	93	341	302	241	9	1107

TABLE_15_KWH_BALANCE_CAMBODIA IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	695	631	762	775	841	772	773	798	728	728	698	736	8936	0	0
PURCHASE....	-148	-133	-148	-143	-148	-143	-148	-148	-143	-148	-143	-148	-1752	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	507	501	581	593	595	658	729	825	848	854	848	697	8236	1678	56.03
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
from_Vietnam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_-C/C..	168	152	168	162	168	162	156	151	98	109	117	168	1778	600	33.828
.GAS_-GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_-ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Import.....	207	188	207	201	207	201	207	207	201	207	201	207	2444	310	89.999
.DIESEL(D.O)	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
.DIESEL(OIL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_-ST..	126	114	126	122	126	122	117	113	73	82	88	126	1334	200	76.142
GENE_TOTAL..	1008	953	1082	1078	1097	1143	1210	1297	1220	1252	1254	1199	13792	2874	54.774
OVER FLOW...	164	188	172	159	107	227	288	350	347	375	412	314	3103	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_16_KW_BALANCE_Thai NORTHEAST IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	3352	3777	4018	4061	4045	3904	3879	3891	3838	3806	3926	3687	46184
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2591	2745	3097	3015	2974	3364	3613	3822	4028	3916	3643	3515	40324
THERMAL,NUCLEAR	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	16992
SUPPLY_CAPACITY.	4007	4161	4513	4431	4390	4780	5029	5238	5444	5332	5059	4931	57316
.MAINTENANCE....	0	0	0	0	0	0	20	236	541	462	0	188	1447
RESERVE_CAPACITY	655	384	495	370	345	876	1130	1111	1065	1064	1133	1056	9686
RESERVE_RATE_(%)	19.541	10.167	12.32	9.111	8.529	22.439	29.131	28.553	27.749	27.956	28.859	28.641	20.972
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	18	212	487	416	0	169	1302

TABLE 17_KWH_BALANCE_THAI NORTHEAST IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	1476	1509	1793	1884	1942	1790	1893	1848	1761	1768	1701	1630	20995	0	0
PURCHASE....	-353	-166	-137	-67	-66	-205	-470	-740	-631	-621	-348	-381	-4196	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	1322	1217	1271	1300	1338	1517	1875	2167	2079	2040	1569	1575	19270	4028	54.612
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	508	459	660	653	670	480	489	421	315	350	480	437	5922	1410	47.945
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	1830	1677	1931	1953	2009	1996	2364	2589	2393	2390	2049	2011	25192	5444	52.823
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_18_KW_BALANCE_THAI CENTRAL SOUTH IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	36566	39610	40725	41945	42439	40979	40146	40291	39770	39988	40632	38794	481885
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1925	2659	2694	2783	2659	2688	2494	2547	2449	3103	2734	1905	30640
.....PA....	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	12000
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2925	3659	3694	3783	3659	3688	3494	3547	3449	4103	3734	2905	42640
THERMAL,NUCLEAR	46558	46558	46658	46658	46658	46658	46658	46658	46658	46658	46658	46658	559697
SUPPLY_CAPACITY.	49483	50217	50352	50441	50318	50346	50153	50205	50107	50761	50392	49563	602337
.MAINTENANCE....	8690	5652	4390	2946	2182	4062	4902	4777	5327	5778	4552	5958	59217
RESERVE_CAPACITY	4227	4955	5237	5550	5697	5305	5105	5137	5010	4995	5208	4811	61235
RESERVE_RATE_(%)	11.56	12.509	12.859	13.232	13.424	12.946	12.716	12.75	12.597	12.491	12.817	12.401	12.707
(REFERENCE)													
.MAINTENANCE....	7821	5087	3951	2651	1964	3656	4412	4299	4794	5200	4097	5362	53294

TABLE 19_KWH_BALANCE_THAI CENTRAL SOUTH IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	21749	21308	24621	24376	25095	23934	24016	24793	23743	24402	24219	22506	284764	0	0
PURCHASE....	652	368	356	160	111	501	863	1251	1152	968	710	551	7643	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	374	438	551	487	401	345	392	510	508	410	418	333	5166	3275	18.007
PUMPED_HYDRO	97	126	145	120	121	123	153	157	102	136	150	148	1577	1000	18.002
NUCLEAR.....	800	916	1104	1167	1259	1090	1067	1076	1004	1005	1057	993	12538	2000	71.564
.GAS - _ST...	1033	1025	1269	1209	1527	1231	1411	1327	1127	1152	1230	1204	14746	3597	46.798
.GAS - _C/C..	14225	13991	16114	16082	16271	15679	15129	15459	14996	15819	15766	14418	183946	29667	70.78
.GAS - _GT...	0	0	0	4	1	0	0	0	0	0	0	0	5	168	0.34
.OIL - _ST...	170	167	191	199	210	187	189	189	182	189	184	184	2239	2989	8.551
.OIL - _GT...	76	70	79	77	80	76	78	78	76	78	76	78	922	122	86.271
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - _ST..	4469	4394	5030	5050	5318	4909	4963	4979	4750	4849	4847	4826	58383	8099	82.291
GENE_TOTAL..	21243	21128	24482	24394	25189	23640	23381	23776	22743	23637	23728	22183	279523	50916	62.669
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-145	-188	-217	-178	-205	-207	-228	-234	-152	-203	-218	-227	-2402	0	0

TABLE 20_KW_BALANCE_MYANMAR IN SCENARIO4

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	2723	2939	2929	2933	3000	2881	2896	2742	2811	2717	2713	2784	34068
...PURCHASE....	0	0	48	221	0	0	0	0	0	0	0	0	269
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1382	1199	1095	820	1658	1942	2949	3560	3560	2930	2868	1600	25561
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1382	1199	1095	820	1658	1942	2949	3560	3560	2930	2868	1600	25561
THERMAL,NUCLEAR	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	2061	24726
SUPPLY_CAPACITY.	3442	3259	3203	3101	3719	4002	5009	5621	5621	4990	4928	3661	50556
.MAINTENANCE....	0	0	0	0	0	0	0	889	754	238	176	0	2056
RESERVE_CAPACITY	719	320	274	168	719	1121	2113	1990	2056	2035	2039	877	14432
RESERVE_RATE_(%)	26.405	10.888	9.355	5.728	23.967	38.91	72.963	72.575	73.141	74.899	75.157	31.501	42.363
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	800	679	214	158	0	1851

TABLE_21_KWH_BALANCE_MYANMAR IN SCENARIO4

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	1359	1420	1599	1564	1537	1462	1417	1454	1431	1381	1308	1394	17327	0	0
PURCHASE....	-34	1	18	29	-5	-86	-106	-197	-234	-70	-123	-57	-872	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	471	392	393	350	410	691	1055	1653	1666	1108	838	579	9608	3560	30.809
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - _ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - _C/C..	840	937	1050	1025	1034	777	386	0	0	274	523	790	7635	1600	54.473
.GAS - _GT...	0	13	53	74	16	0	0	0	0	0	0	0	156	280	6.36
.OIL - _ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0
.OIL - _GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - _ST..	83	75	83	80	83	80	83	0	0	70	71	83	792	120	75.342
GENE_ TOTAL.	1394	1417	1580	1529	1543	1549	1524	1653	1666	1452	1432	1452	18192	5621	36.948
OVER_FLOW...	0	0	0	0	0	0	0	329	318	0	0	0	647	0	0
SHORTAGE....	0	-2	-1	-6	0	0	0	0	0	0	0	0	-9	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(5) シナリオ 2_3

TABLE 1 TOTAL PURCHASE ACCOUNT BALANCE in SCENARIO2_3

FY. 2020 TOTAL (GWH,10**6CENT)

	Vietnam_N		Vietnam_C		Vietnam_S		Laos_NC1		Laos_C2		Laos_S		Cambodia		Thai_NE		Thai_CS		Myanmar		TOTAL	
	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND	RECEIVE	SEND
(K W PURCHASE)																						
PURCHASE GWH	0	12	-1	53	-106	0	-37	7	-44	0	0	38	0	3	0	72	0	4	0	0	-188	188
FIXED COST	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---
FUEL COST	0	27	21	33	773	0	1052	0	1276	0	0	0	0	0	0	51	0	44	0	0	3122	156
TRANSMIT	0	---	0	---	68	---	12	---	14	---	0	---	0	---	0	---	0	---	0	---	94	---
EXPENSE,INCOME	0	-341	21	-390	841	0	1063	-211	1290	0	0	-1063	0	-23	0	-1068	0	-27	0	0	3216	-3122
(E C PURCHASE)																						
PURCHASE GWH	0	23080	-744	2282	-829	6270	-36	1388	0	383	0	750	0	1134	-96	4037	-37620	0	0	1	-39325	39325
FUEL COST	0	42528	-3982	13435	-3621	42639	-140	1219	-3	0	0	0	0	0	-746	1474	-284318	0	-2	1	-292812	101295
TRANSMIT	0	---	472	---	623	---	36	---	0	---	0	---	0	---	26	---	14372	---	0	---	15529	---
MERIT	0	54880	1495	4737	1598	10331	52	3149	0	944	0	1664	0	2790	219	9497	84629	0	0	1	87994	87994
EXPENSE,INCOME	0	-97408	2486	-18172	2023	-52970	88	-4368	3	-944	0	-1664	0	-2790	527	-10971	199689	0	2	-2	204818	-189289
(T O T A L)																						
PURCHASE GWH	0	23092	-746	2336	-934	6270	-72	1396	-44	383	0	788	0	1137	-96	4109	-37620	4	0	1	-39514	39514
EXPENSE,INCOME	0	-97749	2508	-18561	2864	-52970	1151	-4579	1293	-944	0	-2727	0	-2813	527	-12039	199689	-27	2	-3	208034	-192411
ENERGY BALANCE	23092		1590		5336		1323		339		788		1137		4013		-37617		0		0	
ACCOUNT BALANCE	-97749		-16053		-50106		-3428		349		-2727		-2813		-11512		199663		-1		15622	

TABLE 2._KW_BALANCE_VIETNAM_NORTH IN SCENARIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	24033	24833	27029	28831	28858	29837	29704	30343	29581	28854	31041	29225	342169
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	1080	1080	1080	1620	1620	1620	2250	2250	2250	1620	1620	1620	19710
.HYDRO A.....	731	741	793	722	887	909	909	909	909	895	895	787	10084
.....AB....	7495	7776	7813	8191	8915	8556	8864	9181	9741	9776	9382	8472	104163
.....PA....	116	116	146	134	300	600	600	600	595	600	600	250	4658
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	8343	8633	8752	9048	10102	10065	10372	10689	11245	11271	10876	9509	118904
THERMAL,NUCLEAR	23800	23800	23800	23800	23800	23800	23800	23800	24800	24800	24800	24770	289570
SUPPLY_CAPACITY.	33223	33513	33632	34468	35522	35485	36422	36739	38295	37691	37296	35899	428184
.MAINTENANCE....	7731	7082	4549	3289	4428	3198	4400	3977	6630	6842	3748	4401	60274
RESERVE_CAPACITY	1459	1598	2054	2348	2236	2450	2318	2419	2084	1995	2507	2273	25741
RESERVE_RATE_(%)	6.071	6.435	7.599	8.144	7.748	8.211	7.804	7.972	7.045	6.914	8.076	7.778	7.523
(REFERENCE)													
.MAINTENANCE....	6958	6374	4094	2960	3985	2878	3960	3579	5967	6158	3373	3961	54247

TABLE_3_KWH_BALANCE_VIETNAM NORTH IN SCENARIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	12867	12009	14471	15285	15813	15795	16521	16589	15723	15058	14998	15225	180353	0	0
PURCHASE....	-1413	-1405	-1354	-1764	-1898	-2320	-2700	-2854	-1234	-1776	-2401	-1961	-23091	0	0
OTHERS.....	573	517	573	832	859	832	1208	1208	1169	859	832	859	10321	2063	57.111
CONVEN.HYDRO	2450	2368	2676	2669	3428	3777	5137	5533	3407	3544	3003	2596	40588	10710	43.262
PUMPED_HYDRO	40	36	28	6	11	14	28	62	14	13	56	53	360	475	8.652
NUCLEAR....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-West...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL.....	1	1	0	2	2	1	1	1	2	0	0	0	11	28	4.485
.DIESEL....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL -Imp...	2014	1920	1957	2690	2707	2613	2252	2083	2953	2782	2985	3054	30009	5333	64.236
.COAL.....	9262	8626	10632	10862	10720	10900	10638	10649	9434	9655	10609	10705	122691	18770	74.618
GENE. TOTAL.	14341	13468	15867	17060	17728	18137	19264	19536	16978	16854	17484	17266	203982	37378	62.298
OVER FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-59	-54	-42	-9	-16	-21	-41	-92	-21	-19	-84	-79	-537	0	0

TABLE 4._KW_BALANCE_VIETNAM CENTRAL IN SCENARIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	6179	6340	6769	7293	7296	7523	7490	7646	7460	7461	8139	7235	86831
...PURCHASE....	0	0	26	0	0	0	0	0	0	0	0	0	26
....OTHERS.....	29	36	36	36	36	36	45	45	45	36	29	36	445
.HYDRO A.....	403	436	495	549	545	551	579	533	574	652	687	487	6493
.....AB....	3413	3601	3567	3746	3634	4347	4553	5686	5488	5391	4906	4134	52465
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	3815	4037	4062	4296	4179	4898	5132	6219	6061	6043	5593	4621	58957
THERMAL,NUCLEAR	2834	2834	2834	3434	3434	3434	3434	3434	3434	3434	3434	3434	39408
SUPPLY_CAPACITY.	6678	6907	6958	7766	7649	8368	8611	9698	9540	9513	9056	8091	98836
.MAINTENANCE....	0	0	0	0	0	208	452	1470	1522	1490	157	184	5484
RESERVE_CAPACITY	499	567	189	473	353	637	669	582	558	562	760	672	6521
RESERVE_RATE_(%)	8.076	8.943	2.792	6.486	4.838	8.467	8.932	7.612	7.48	7.533	9.338	9.288	7.51
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	187	407	1323	1369	1341	141	166	4934

TABLE_5_KWH_BALANCE_VIETNAM CENTRAL IN SCENARIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	3697	3436	4082	4200	4343	4314	4502	4516	4299	4237	4637	4257	50521	0	0
PURCHASE....	-76	-91	92	-104	-34	-119	-23	1	-307	-469	-122	-328	-1589	0	0
OTHERS.....	35	40	44	43	44	43	55	55	54	44	34	44	537	150	40.868
CONVEN.HYDRO	2017	1914	2195	2169	2159	2481	2695	3412	3343	3640	3056	2647	31727	7791	46.487
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS-Center.	934	856	952	926	970	833	785	532	671	418	550	832	9259	1500	70.464
.OIL.....	7	7	7	7	7	7	7	5	5	36	7	7	109	104	11.964
BOT.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL-Imp...	762	695	773	1141	1179	1054	969	502	525	559	1096	1039	10294	1650	71.219
.COAL.....	19	17	19	18	19	16	15	9	9	11	17	16	185	30	70.396
GENE_TOTAL.	3774	3528	3990	4305	4378	4434	4526	4516	4607	4708	4760	4585	52111	11225	52.996
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 6_KW_BALANCE_VIETNAM SOUTH IN SCENARIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	30009	30972	33395	32527	32556	33518	33377	34045	33267	33910	35414	36081	399071
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	1829	1836	1836	2286	2286	2286	2295	1845	1845	1836	1649	1746	23575
.HYDRO_A.....	603	604	619	641	696	726	652	578	246	726	726	677	7492
.....AB....	2061	2151	2262	2127	1631	2102	2371	2600	2238	2980	2983	2601	28106
.....PA....	1630	1659	1729	1586	1752	1130	1723	1867	1479	2373	2400	2231	21560
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	4295	4413	4611	4355	4079	3958	4745	5045	3963	6078	6109	5508	57158
THERMAL,NUCLEAR	37327	37327	37327	37327	37327	38327	38327	38327	38327	38327	38327	38327	454922
SUPPLY_CAPACITY.	43450	43576	43773	43967	43692	44571	45367	45217	44135	46241	46084	45581	535655
.MAINTENANCE....	9819	8726	5839	7167	6823	6568	7633	6610	6405	7921	5819	4406	83735
RESERVE_CAPACITY	3622	3878	4539	4273	4313	4485	4357	4562	4463	4410	4851	5094	52848
RESERVE_RATE_(%)	12.07	12.521	13.592	13.137	13.248	13.381	13.054	13.4	13.416	13.005	13.698	14.118	13.243
(REFERENCE)													
.MAINTENANCE....	8837	7853	5255	6450	6141	5911	6870	5949	5764	7129	5237	3965	75361

TABLE_7_KWH_BALANCE_VIETNAM SOUTH IN SCENARIO2_3

FY. 2020

MONTH	(GWH,MW,%)												...TOTAL	..INS.CAP.	...AVAIL.F
	1	2	3	4	5	6	7	8	9	10	11	12			
DEMAND.....	17477	16268	19513	18664	19309	19240	20108	20184	19160	20156	19970	20454	230504	0	0
PURCHASE....	-514	-612	-943	-500	-537	-304	100	148	-1154	-444	-262	-303	-5335	0	0
OTHERS.....	206	210	214	258	253	179	301	263	207	366	336	354	3147	150	239.498
CONVEN.HYDRO	929	849	951	975	1027	1134	1203	1407	1412	1663	1343	1014	13908	3710	42.794
PUMPED_HYDRO	323	315	363	294	307	340	300	335	323	376	375	416	4066	2400	19.34
NUCLEAR.....	532	496	597	557	581	566	567	584	569	563	578	620	6809	1000	77.728
LNG.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAS.....	1541	1408	1631	1523	1553	1484	1420	1403	1523	1546	1502	1538	18070	3334	61.871
GAS-West....	5362	4852	5615	5260	5339	4792	5140	4813	5150	5311	4892	5051	61576	11100	63.326
OIL.....	0	0	35	35	18	56	0	0	59	40	40	14	296	504	6.704
BOT.....	830	770	911	855	891	867	874	895	870	869	882	940	10453	1440	82.866
DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COAL -Imp....	8751	8449	10682	9853	10342	10636	10651	10838	10686	10427	10844	11432	123591	20533	68.712
COAL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL.	18472	17350	20998	19610	20309	20055	20459	20537	20798	21161	20790	21377	241916	44170	62.523
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	-480	-469	-540	-444	-463	-510	-451	-500	-483	-561	-556	-620	-6077	0	0

TABLE 8_KW_BALANCE_LAOS NORTH CENTRAL1 INSCEANRIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
...DEMAND.....	948	903	901	1038	1051	864	935	935	935	884	882	872	11148
...PURCHASE.....	0	0	0	105	219	0	0	0	0	0	0	0	323
...OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	33	33	33	32	21	80	106	108	107	96	26	33	708
.....AB....	797	766	777	718	632	675	878	941	954	900	742	778	9559
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	830	798	810	750	653	755	985	1049	1060	996	768	812	10267
THERMAL,NUCLEAR	200	200	200	200	200	200	200	200	200	200	200	200	2401
SUPPLY_CAPACITY..	1030	998	1010	1055	1072	955	1185	1249	1260	1196	968	1012	12991
.MAINTENANCE....	0	0	0	0	0	0	17	89	101	101	0	0	307
RESERVE_CAPACITY	82	95	109	17	21	91	233	225	224	211	86	140	1536
RESERVE_RATE_(%)	8.65	10.52	12.098	1.638	1.998	10.532	24.92	24.064	23.957	23.869	9.751	16.055	13.78
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	15	80	91	91	0	0	277

TABLE_9_KWH_BALANCE_LAOS NORTH CENTRAL1 IN SCENARIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	397	392	399	468	485	445	486	486	470	449	387	402	5268	0	0
PURCHASE....	-125	-94	-165	-43	57	-91	-154	-178	-178	-159	-118	-66	-1322	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	402	377	440	389	326	417	577	623	611	571	387	400	5520	1191	52.908
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
.COAL - ST..	122	110	126	124	69	120	64	41	37	38	120	69	1038	200	59.247
GENE_TOTAL..	523	486	566	512	396	537	641	665	649	609	506	470	6559	1392	53.805
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	-32	0	0	0	0	0	0	0	-32	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_10_KW_BALANCE_LAOS CENTRAL2 IN SCENARIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	141	155	206	213	238	251	247	239	270	271	293	292	2816
...PURCHASE....	0	0	14	1	19	0	0	0	0	0	0	21	55
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	204	204	196	217	222	307	329	324	332	335	319	275	3265
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	204	204	196	217	222	307	329	324	332	335	319	275	3265
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	204	205	210	218	242	307	329	324	333	335	319	296	3321
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	63	50	4	5	4	56	82	85	63	64	26	4	505
RESERVE_RATE_(%)	44.681	32.258	1.942	2.347	1.681	22.311	33.198	35.565	23.333	23.616	8.874	1.37	17.928
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_11_KWH_BALANCE_LAOS CENTRAL2 IN SCENARIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	67	80	113	111	127	134	130	124	144	141	134	169	1474	0	0
PURCHASE....	-53	-31	10	0	11	-37	-63	-64	-40	-48	-38	24	-338	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	121	111	103	112	117	172	195	193	185	190	173	145	1816	348	59.571
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	122	111	103	112	117	172	195	193	186	190	173	145	1817	348	59.57
OVER_FLOW...	0	0	0	0	0	0	1	3	0	0	0	0	4	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_12_KW_BALANCE_LAOS SOUTH IN SCEANRIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	77	94	101	87	92	82	63	66	65	74	65	74	940
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO A.....	7	15	14	5	9	50	35	56	56	34	11	15	308
.....AB....	195	219	231	231	224	210	198	215	351	267	262	225	2828
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	202	234	245	236	233	261	233	271	407	301	274	240	3137
THERMAL,NUCLEAR	0	0	0	0	0	0	0	0	0	0	0	0	1
SUPPLY_CAPACITY.	202	234	245	236	233	261	233	271	407	301	274	240	3138
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0
RESERVE_CAPACITY	125	140	144	149	141	179	170	205	342	227	209	166	2198
RESERVE_RATE_(%)	162.338	148.936	142.574	171.264	153.261	218.293	269.841	310.606	526.154	306.757	321.538	224.324	233.824
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_13_KWH_BALANCE_LAOS SOUTH IN SCEANRIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	34	37	43	38	34	28	22	27	23	32	26	32	376	0	0
PURCHASE....	-66	-59	-66	-64	-66	-64	-66	-66	-64	-66	-64	-66	-787	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	127	145	147	148	147	159	149	179	269	199	177	153	1999	472	48.347
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_ TOTAL.	127	145	147	148	147	159	149	179	269	199	177	154	2000	472	48.377
OVER_FLOW...	27	48	38	46	46	66	60	85	181	100	86	55	837	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_14_KW_BALANCE_CAMBODIA IN SCENARIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	1433	1486	1493	1605	1617	1554	1555	1579	1487	1490	1554	1520	18373
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1220	1304	1322	1366	1316	1327	1505	1572	1664	1630	1678	1366	17270
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	1220	1304	1322	1366	1316	1327	1505	1572	1664	1630	1678	1366	17270
THERMAL,NUCLEAR	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	14357
SUPPLY_CAPACITY.	2416	2500	2519	2563	2513	2523	2702	2769	2860	2826	2874	2562	31627
.MAINTENANCE....	10	10	10	10	10	10	75	104	380	336	268	10	1232
RESERVE_CAPACITY	973	1004	1016	948	886	959	1072	1086	993	1000	1052	1032	12022
RESERVE_RATE_(%)	67.9	67.564	68.051	59.065	54.793	61.712	68.939	68.778	66.779	67.114	67.696	67.895	65.434
(REFERENCE)													
.MAINTENANCE....	9	9	9	9	9	9	67	93	341	302	241	9	1107

TABLE_15_KWH_BALANCE_CAMBODIA IN SCENARIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	..INS.CAP.	...AVAIL.F
DEMAND.....	695	631	762	775	841	772	773	798	728	728	698	736	8936	0	0
PURCHASE....	-130	-109	-113	-109	-117	-63	-117	-132	-57	-74	-62	-42	-1136	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	507	501	581	593	595	658	729	825	848	854	848	697	8236	1678	56.03
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
from_Vietnam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS_- _C/C..	168	152	168	162	168	162	156	151	98	109	117	168	1778	600	33.828
.GAS_- _GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL_- _ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Import.....	207	188	207	201	207	201	207	207	201	207	201	207	2444	310	89.999
.DIESEL(D.O)	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0
.DIESEL(OIL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL_- _ST..	126	114	126	122	126	122	117	113	73	82	88	126	1334	200	76.142
GENE_ TOTAL.	1008	953	1082	1078	1097	1143	1210	1297	1220	1252	1254	1199	13792	2874	54.774
OVER FLOW...	182	213	206	193	138	308	319	366	434	448	492	420	3719	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_16_KW_BALANCE_Thai NORTHEAST IN SCENARIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	3352	3777	4018	4061	4045	3904	3879	3891	3838	3806	3926	3687	46184
...PURCHASE....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	2591	2745	3097	3015	2974	3254	3613	3822	4028	3916	3643	3515	40214
.....PA....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2591	2745	3097	3015	2974	3254	3613	3822	4028	3916	3643	3515	40214
THERMAL,NUCLEAR	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	1416	16992
SUPPLY_CAPACITY.	4007	4161	4513	4431	4390	4670	5029	5238	5444	5332	5059	4931	57206
.MAINTENANCE....	0	0	0	0	0	0	20	236	541	462	0	188	1447
RESERVE_CAPACITY	655	384	495	370	345	766	1130	1111	1065	1064	1133	1056	9575
RESERVE_RATE_(%)	19.541	10.167	12.32	9.111	8.529	19.621	29.131	28.553	27.749	27.956	28.859	28.641	20.733
(REFERENCE)													
.MAINTENANCE....	0	0	0	0	0	0	18	212	487	416	0	169	1302

TABLE 17_KWH_BALANCE_THAI NORTHEAST IN SCENARIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	1476	1509	1793	1884	1942	1790	1893	1848	1761	1768	1701	1630	20995	0	0
PURCHASE....	-349	-163	-90	0	16	-222	-469	-740	-638	-620	-347	-381	-4012	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	1322	1217	1271	1300	1338	1517	1875	2167	2079	2040	1569	1575	19270	4028	54.612
PUMPED_HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUCLEAR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GAS - C/C..	504	456	612	585	587	496	489	421	322	350	479	437	5737	1410	46.447
.GAS - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - ST...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.OIL - GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0
.COAL - ST..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENE_TOTAL..	1826	1673	1884	1884	1925	2013	2364	2588	2401	2390	2049	2011	25008	5444	52.437
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUMPING-UP..	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE_18_KW_BALANCE_THAI CENTRAL SOUTH IN SCENARIO2_3

FY. 2020

MONTH	(MW,%)												
	1	2	3	4	5	6	7	8	9	10	11	12	.....TOTAL
....DEMAND.....	36566	39610	40725	41945	42439	40979	40146	40291	39770	39988	40632	38794	481885
...PURCHASE.....	0	0	0	0	0	0	0	0	0	0	0	0	0
....OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_A.....	0	0	0	0	0	0	0	0	0	0	0	0	0
.....AB....	1925	2659	2694	2783	2659	3182	2494	2547	2449	3103	2734	1905	31134
.....PA....	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	12000
.....PB....	0	0	0	0	0	0	0	0	0	0	0	0	0
.HYDRO_TOTAL...	2925	3659	3694	3783	3659	4182	3494	3547	3449	4103	3734	2905	43134
THERMAL,NUCLEAR	46558	46558	46658	46658	46658	46658	46658	46658	46658	46658	46658	46658	559697
SUPPLY_CAPACITY.	49483	50217	50352	50441	50318	50841	50153	50205	50107	50761	50392	49563	602831
.MAINTENANCE....	8690	5652	4390	2946	2182	4062	4902	4777	5327	5778	4552	5958	59217
RESERVE_CAPACITY	4227	4955	5237	5550	5697	5800	5105	5137	5010	4995	5208	4811	61729
RESERVE_RATE_(%)	11.56	12.509	12.859	13.232	13.424	14.154	12.716	12.75	12.597	12.491	12.817	12.401	12.81
(REFERENCE)													
.MAINTENANCE....	7821	5087	3951	2651	1964	3656	4412	4299	4794	5200	4097	5362	53294

TABLE 19_KWH_BALANCE_THAI CENTRAL SOUTH IN SCENARIO2_3

FY. 2020

MONTH													(GWH,MW,%)		
	1	2	3	4	5	6	7	8	9	10	11	12	...TOTAL	...INS.CAP.	...AVAIL.F
DEMAND.....	21749	21308	24621	24376	25095	23934	24016	24793	23743	24402	24219	22506	284764	0	0
PURCHASE....	2735	2571	2635	2591	2573	3226	3499	3890	3680	3664	3422	3129	37617	0	0
OTHERS.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONVEN.HYDRO	374	438	551	487	401	345	392	510	508	410	418	333	5166	3275	18.007
PUMPED_HYDRO	19	23	24	25	20	83	49	81	9	24	26	26	409	1000	4.669
NUCLEAR.....	800	916	1104	1167	1259	1090	1067	1076	1004	1005	1057	993	12538	2000	71.564
.GAS - _ST...	992	976	1151	1192	1222	1117	1144	1151	1085	1123	1117	1118	13388	3597	42.488
.GAS - _C/C..	12145	11787	13918	13629	14047	13043	12694	12969	12466	13101	13116	11860	154770	29667	59.554
.GAS - _GT...	0	0	0	0	0	0	0	0	0	0	0	0	0	168	0
.OIL - _ST...	170	167	191	196	203	187	190	189	181	185	184	184	2224	2989	8.494
.OIL - _GT...	76	70	79	77	80	76	78	78	76	78	76	78	922	122	86.271
.DIESEL.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.COAL - _ST..	4469	4394	5030	5050	5318	4909	4963	4979	4750	4849	4847	4826	58383	8099	82.291
GENE_TOTAL..	19044	18771	22047	21822	22551	20850	20575	21034	20076	20774	20842	19417	247802	50916	55.557
OVER_FLOW...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORTAGE....	0	0	0	0	0	0	-3	0	0	0	0	0	-3	0	0
PUMPING-UP..	-29	-34	-60	-37	-30	-142	-60	-131	-13	-36	-45	-40	-657	0	0

