

Electricity needs Assessment

Atoll	Island	Population (Register'd June 2004)	Total no. of houses	Number of Damaged Gen sets	Gen set 1 capacity	Gen set 2 capacity	Gen set 3 capacity	Gen set 4 capacity	Gen set 5 capacity	No. of Panel Boards	Panel Board damage details	No. of Distribution boxes	No. of damaged distribution boxes	Distribution box damage details	Availability of electricity to the island	Availability of electricity to the island (after)	Status of the electric cable (before)	Degree of Damaged to electric cable (after)	Period of availability of electricity	Period of availability of electricity (after)	Degree of Damage to Power House	Degree of Damage to Oil Storage	Remarks
HA	Filladhoo	921	141																				
R	Kandholhudhoo	3,664	538																				
M	Naalaafushi	465	77																				
M	Kolhufushi	1,232	168																				
M	Madifushi	204	39																				
M	Mulii	764	134	2	56	80	0	0	0	1	Temporary using the board after repairing.	32	15	Temporary using the damaged boxes after repairing.	Full	Full	N/A	Cables of street lights were damaged (2000 feet of 44 cables, 1000 feet of 29 cables)	24hrs	24hrs	Around 20 feet of the wall have been collapsed	No	High duty equipment cannot be used because 2 generators are working out of 4.
Dh	Gemendhoo	500	82																				
Dh	Rinbudhoo	710	116																				
Th	Vilufushi	1,882	227																				
Th	Madifushi	1,017	177																				
L	Mundoo	769	98																				
L	Dhabidhoo	856	130	4	10KW	65KW	62KW	23KW	0	N/A	N/A	N/A	N/A	75% of the distribution boxes were damaged.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Due to the disaster 10 street lamp was damaged. The electricity cable is more damaged than the generators.?? (reported by comparison??)
L	Kalhaidhoo	680	94																				
Sh	Maroshi	834	166																				
Sh	Komandoo	1,611	306																				
N	Maafaru	991	150																				
Lh	NAIFARU	4,430	730	0	0	0	0	0	0	7	N/A	60	-	N/A	Full	Full	No	No	24hrs	24hrs	No	No	
K	Guraidhoo	1,450	262																				
K	Huraa	708	156																				
AA	Mathiveri		73	2	48KW	48KW	0	0	0	1	3 breaker, 2 ploes of 63A was damaged.	27	2	some of the Distribution boxes were damaged due to fire and breakers of other distribution boxes were also damaged.	Full	Full	W/C	1797 Feet	24hrs	18hrs	Colappes of the south east wall of the power house. Some cracks are seen from other walls.	No	Power house, building intact, only 80KW generator set working. 2 set of 48KW generator sets damaged and can be used after overhaul. Service in the island is available for 16-18 hours. 2 distribution boxes in harbour area damaged. 900 feet cable damaged but now replaced. (trip made by Hon. Hamdun on 13/jan/05)
V	Keyodhoo	661	84	0	0	0	0	0	0	2	N/A	31	7	Circuit breaker of 7 boxes were damaged due to collapsing of the boxes.									
V	Rakedhoo	359	37	2	25	16	0	0	0	1	0	15	3	3 boxes in east side	Full	One third	W/C	711 feet of road cables were damaged. 1569 house hold supply was damaged.	24hrs	24hrs	No	No	Since 12 jan 2005 availability of electricity is minimized to 18hrs per day.
V	Thinadhoo	204	36	-	-	-	-	-	0	1	0	9	5	Main breaker of 3 boxes were damaged. 14 breaker of 2 boxes were damaged including 32A fuse	Full	Full	W/C	150 Feet damaged	24hrs	24hrs	No	No	
V	Fulidhoo	378	47	1	28	0	0	0	0	1	0	35	5	Due the collapse of the wall 5 boxes have been damaged.	Full	Full	Leaking of electricity from the under ground cable.	No major damaged other than leaking of the under ground cable.	24hrs	24hrs	No	17 barrels are missing.	Last two weeks the current availability was only for 12hrs, but now it is 24hrs though one generator is still in bad condition.
V	Felidhoo	523	69	0	0	0	0	0	0	1	Due to the flood switch and 2 main breaker was damaged.	12	-	All circuit breakers in 12 boxes were damaged due to flooding	Full	Full	The cable used in the island was 7.064 supply.	Due to the flood the under ground cable is damaged.	24hrs	24hrs	Due to the flood doors and other equipment in the power house was damaged.	One oil storage tank was drift by current.	

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M	Veyvah	272	41	3	12KW	16KW	32KW	0	0	1	N/A	9	-	No	Full	Full	W/C	7 street lights are not in service due to a damaged in 700 meter (70290 of 2.5msq) of distribution cable.	21hrs	12hrs	Half of the boundary wall collapsed. Sand from one corner of the Power House was swept	No		
Dh	Vaanee	434	69	3	34KW	25KW	14.4KW	0	0	1	1	27	18	18 distribution boxes were collapses and the rest 9 boxes were effected by water	Full	Full	W/C	8700 meter cable was damaged	24hrs	20hrs	No	No	Even though there was no damaged to the power house. Nose of three engine, entrance door of the power house, entrance gate of the power house, door of the workshop and wood cover of the drainage was damaged. All oil barrels were lost. It is unavailable how may barrels were lost?	
Dh	Maaeoodhoo	859	122																					
Dh	Hulhudheli	732	139	0	0	0	0	0	0	1	-	28	11	All 11 distribution boxes were flooded by water and everything was replaced.	Full	Full	W/C	Half of the cables all the cables in the island was damaged. Which was inconnect with 11 distribution boxes.	24hrs	24hrs	No	6 oil barrel was lost.		
Th	Thimarafushi	2,348	340	0	0	0	0	0	0	1	No	28	-	No	Full	N/A	W/C	960 Feet cable (4c x 25mm) and 520 Feet Cable (4c x 35mm) damaged	24hrs	23hrs	No	No	Electricity is aviable only to homes, not to street lights. But out of 270 houses 28 do not have electricity.	
L	FONADHOO	1,731	313	4	108KW	18KW	23KW	23KW	12KW	N/A	N/A	N/A	N/A	50% of the distribution boxes in Fonadhoo Baraasil District were damaged and 20 distribution boxes were damaged in Fonadhoo Medu District	N/A	N/A	N/A	33% of the electric cables in Fonadhoo Baraasil District were damaged and 50% of the electric cable were damaged in Fonadhoo Medu District	N/A	12hrs	N/A	N/A	The information was present seperately among three distric (Fonadhoo Baasil District, Fonadhoo Medu Distric and Fonadhoo Kurimagu District). And was reported that 6 street lamps were damaged in Fonadhoo Baasil Distric. Note: The number of ongoing and damaged Gen set are present as the toal of three districts.	
L	Isdhoo-Kalaidhoo	2,068	324	3	12	23	48	0	0	N/A	N/A	N/A	16	N/A	N/A	Two fifth	W/C	W/C	N/A	12hrs	N/A	N/A		
L	Maabaidhoo	867	175	1	40KW	0	0	0	0	N/A	N/A	N/A	12	N/A	N/A	Half	W/C	1500 Feet damaged	N/A	6hrs	N/A	N/A	Due to the disaster 20 street lamp was damaged.	
GA	Nilandhoo	923	115																					
GA	Villingili	2,907	399																					
GA	Dhaandhoo	1,693	213	1	80KW	0	0	0	0	1	0	24	2	One distribution box was burnt by fire	Full	Full	W/C	W/C	24hrs	24hrs	No	No	Electricity is fully available to all household except 9 households, in these household Main Boards and other electric device are damaged because the houses were collapsed. Two photo switch which is used in street lamp was also damaged. Even though there was no damaged to the power house the AC used in the office area of the power house was damaged.	
HA	Baarah	1,647	368																					
HA	Vashafaru	826	118																					
HDh	KULHUDHUFFU SHI	7,613	1,635																					
HDh	Naivaadhoo	749	163																					
HDh	Nolhivaranfaru	634	100						0	1	No	16	-	No						24hrs	No	No	Damaged to road cables due to flood.	
HDh	Nellaidhoo	1,069	204																					
Sh	Narudhoo	466	69																					
N	Kudafari	649	114																					
B	Dhontanu	454	79	0	0	0	0	0	0	1	Earth reay, frequency meter and voltage meter damaged.	16	4	60 circuit of 20 A, 08 main breaker 3 phase of 60 A, 16 ELCB 3 phase 60 A and timer of road light including the contactor was damaged.	Full	One third	N/A	900 feet of road cable was damaged.	24hrs	24hrs	N/A	N/A	Even though electricity is available for 24hrs, most of the distribution was damaged and is not safe.	

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B	Kihaadhoo	388	65																				
B	EYDHAFUSHI	2,743	378																				
B	Dharavandhoo	935	178																				
B	Kendhoo	1,028	143																				
Lh	Hinnavaru	4,336	569																				
K	Dhiffushi	1,005	153																				
K	Maafushi	1,212	190																				
K	THULUSDHOO	823	146																				
K	Kaashidhoo	1,872	314																				
K	Gaafaru	1,110	175																				
K	Himmafushi	844	149																				
AA	Bodufolhudhoo	582																					
AA	Himendhoo	569								1		20		No damaged	Full	Full	W/C	No	24hrs	24hrs	No	No	A private owned 500W and 2.5Kw generators were damaged
M	Maduvvari	663	98	1	40KW					1	N/A	21	6	6 Main Circuit Breaker (63A of repole), 72 circuit breaker (single), 32 A, 48 Lag (16 sqmm), 72 basber link, 12 lags sleeve (16 sqmm Red), 12 lags sleeve (16sqmm yellow), 12 lag sleeve (12sqmm Blue), 12 lags sleeve (16sqmm Black) and 6 distribution boxes were damaged.	Full	Full	N/A	N/A	24hrs	24hrs	No	No	
Dh	Meedhoo	1,132	122																				
Th	Guraidhoo	1,806	116	1	100	0	0	0	0	1	0	36	21	Different damages.	Full	Half	W/C	8000 feet cable was damaged	24hrs	24hrs	No	No	
Th	Gaadhiffushi	582	3	3	11.8	35	27	0	0	1	No	25	N/A	With the wall some of the distribution box was collapse. Fuse in the boxes were damaged	Full	Half	W/C	1700 meter cable (4c x 25mm) and 5000 meter (2c x 6mm) was damaged.	24hrs	12hrs	No	10 oil barrels of 200 liters were filled with water.	
Th	Dhiyamigili	752	138	3	31KW	23KW	18KW	0	0	1	N/A	44	44	N/A	Full	One third	W/C	1793 feet cable damaged	24hrs	24hrs	Yes	No	Electricity is available with short breaks for 24hrs. Some of the tools damaged including the power house.
Th	Omadhoo	684	171																				
Th	Buruni	560	95																				
L	Gan	2,492	297																				
GA	Maamendhoo	1,260	209																				
GDh	Gadhoo	2,667	157																				
S	Hulhudhoo	3,235	466																				
HA	Hathifushi	260	68																				
HA	DHIDHDHOO	3,453	494																				
HA	Kelaa	1,978	439																				
HA	Hoarafushi	2,778	491																				
HA	Ihavandhoo	2,499	573																				
HA	Utheemu	779	117																				
HA	Thurakunu	623	70																				
HA	Maarandhoo	822	125																				
HA	Mulhadhoo	360	84																				
HA	Muraidhoo	730	114																				
HA	Thakandhoo	831	207																				
HDh	Maavaidhoo	523	91																				
HDh	Faridhoo	225	42																				
HDh	Kumundhoo	1,293	221																				
HDh	Hanimaadhoo	1,318	339																				
HDh	Nohivaramu	2,047	324																				

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HDh	Vaikaradhoo	1,682	257																				
HDh	Makunudhoo	1,334	234																				
HDh	Finney	499	100																				
HDh	Hirimaradhoo	501	114																				
HDh	Kuribi	662	105																				
Sh	Noomaraa	649	106																				
Sh	Firubaldhoo	229	38																				
Sh	Foakaidhoo	1,304	200																				
Sh	Maakandoodhoo	960	174																				
Sh	Maagoodhoo	951	198	-	-	-	-	-	0	1	N/A	22	N/A	N/A	Full	Full	New cable network is establish but not in use	No damaged	24hrs	24hrs	No	No	
Sh	FUNADHOO	1,378	247																				
Sh	Kaditheemu	1,181	250	4	40	48	80	108	0	1	Ok	46	4		Full	One third	Ok		24hrs	24hrs	No	No	Even though current is available for 24hrs, it was notice that maxium voltage is not met, damaging some electronic equipments and distribution boxes due to this.
Sh	Goldhoo	598	102																				
Sh	Bilehffahi	591	128																				
Sh	Milandhoo	947	229																				
Sh	Lhaimagu	711	132	-	-	-	-	-	0	1	No	16	-	-	Full	Full	W/C	No	24hrs	24hrs	No	No	
Sh	Feevah	888	155																				
Sh	Feydhoo	1,052	233	-	-	-	-	-	0	1	N/A	29	N/A	N/A	Full	Full	N/A	N/A	24hrs	24hrs	N/A	N/A	
N	Miladhoo	1,292	113																				
N	MANADHOO	1,536	238																				
N	Kedhikolhudhoo	1,491	273																				
N	Velidhoo	2,140	436																				
N	Fodhdhoo	403	60	0	0	0	0	0	0	1	0	N/A	N/A	N/A	Full	Full	W/C	W/C	21hrs	21hrs	No	No	
N	Hebadhoo	604	102																				
N	Holhudhoo	1,984	378																				
N	Landhoo	860	163	0	0	0	0	0	0	1	0	50	-	NO	Full	Full	Before the disaster there have been short circuit in the cable (1500feet) because the cable was thin	No	24hrs	24hrs	No	No	
N	Lhohi	728	117																				
N	Maalhendhoo	738	169																				
N	Maagoodhoo	343	49																				
R	Iquraidhoo	1,552	359																				
R	Maduvvari	1,971	263																				
R	Meedhoo	1,669	268																				
R	Hulhudhuffaaruu	1,220	246																				
R	Fainu	358	72																				
R	Kinolhas	489	80																				
R	Maakurathu	1,071	234																				
R	Vaadhoo	480	87																				
R	Agolitheemu	430	81																				
R	Innamaadhoo	704	108																				
R	Rasgetheemu	874	82																				
R	Rasmaadhoo	818	147																				
B	Fehendhoo	245	42																				
B	Thulhaadhoo	2,460	539																				
B	Goldhoo	654	86																				
B	Hithaadhoo	1,144	222																				
B	Fulhadhoo	289	63																				
B	Kamadhoo	410	89																				
B	Kudarikilu	528	86																				
B	Maalhos	525	83																				
Lh	Maafilaafushi	167	43																				
Lh	Kurendhoo	1,746	330																				
Lh	Oihuvelfushi	524	90																				
K	Gulhi	696	116																				
AA	RASDHOO	823	197																				
AA	Thoddo	1,405	196																				
AA	Feridhoo	647	132																				
AA	Maalhos	615	80																				
AA	Ukulhas	715	113																				
ADh	Kuburudhoo	508	58																				
ADh	MAHIBADHOO	1,767	322																				
ADh	Mandhoo	352	47																				
ADh	Dhagethi	800	169																				
ADh	Fenfushi	788	222																				
ADh	Dhikhadhoo	160	32																				
ADh	Dhigurah	530	110																				
ADh	Hangnameedhoo	579	89																				

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ADh	Omadhoo	833	117																				
M	Dhiggaru	1,186	175																				
M	Mulah	1,446	230																				
M	Raimandhoo	221	34	-	-	-	-	-	-	1	No	9	-	No	Full	Full	W/C	No	24hrs	24hrs	No	No	
F	NILANDHOO	1,585	193	0	0	0	0	0	0	1	No	17	1	Damaged due to the collapes of the wall	Full	Full	N/A	N/A	24hrs	24hrs	Cracks are seen on the wall of the power house. Most the equipment used in the power house were damaged	2 Pumps and 8 barrel of oil were missing due to flood including six empty barrels.	
F	Dharaboodhoo	377	51																				
F	Magoodhoo	640	83	0	0	0	0	0	0	N/A	N/A	7	7	N/A	Full	Half	W/C	3700 feet of electric cable (16mm) and 8000 feet of street lamp cable was damaged.	24hrs	24hrs	No	16 oil barrel of 200 liters were lost	Electricity is available only to households.
F	Biledhdhoo	1,068	145																				
F	Feeali	933	148																				
Dh	KUDAHUVADHOO	1,480	263																				
Dh	Badidhoo	774	91																				
Th	VEYMANDOO	985	244	0	0	0	0	0	0	1	No	28	-	No	Full	Full	W/C	130 meter cable (2c x 10mm) damaged	24hrs	24hrs	No	No	
Th	Kibidhoo	119	211																				
Th	Hirilandhoo	952	133																				
Th	Kadoodhoo	567	309	0	0	0	0	0	0	1	0	40	2	D-board of 2 panel board and 6 circuit breaker was damaged in the 2 panel boards.	Full	Full	Supply which was connecting 3 street lamp of 739 feet (7029) supply was damaged	24hrs	24hrs	No	No	Eventhough the service is available for 24hrs shortage of electricity is seen. This is expected because the cable in the flooded area have been damaged.	
Th	Vandhoo	383	56																				
L	Gaadhoo	416	84	2	15KW	31KW	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Full	N/A	W/C	N/A	6hrs	N/A	N/A	
L	Maamendhoo	1,084	235	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Full	N/A	W/C	N/A	24hrs	N/A	N/A	
L	Hithadhoo	957	199	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Full	N/A	W/C	N/A	24hrs	N/A	N/A	
L	Kunahandhoo	676	93																				
L	Maavah	1,640	270	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Full	N/A	N/A	N/A	24hrs	N/A	N/A	
GA	Kolamaafushi	1,439	225																				
GA	Gemanafushi	1,253	243	-	-	-	-	-	-	2	N/A	23	N/A	N/A	Full	Full	N/A	N/A	24hrs	24hrs	No	No	
GA	Dhiyadhoo	230	42	-	-	-	-	-	-	1	No	12	-	No	Full	One fourth	W/C	1329 feet damaged	16hrs	16hrs	No	No	
GA	Kanduhulhudhoo	818	138	-	-	-	-	-	-	-	-	-	-	N/A	Full	Full	W/C	W/C	24hrs	24hrs	No	No	There is limited ammount fuel in the island because due to the disaster there were trips made by this island in order to help other people in the atoll. Due to this it is expected that there will be change in the period of availability of electricity to the island. this problem can be over come by supplying one months fuel to the island.
GA	Kodey	432	65																				
GDh	Nadallaa	1,045	169																				
GDh	THINADHOO	6,199	892																				
GDh	Fares	824	166																				
GDh	Fiyoori	1,305	202																				
GDh	Maathodaa	875	120																				
GDh	Rathafandhoo	1,320	177	-	-	-	-	-	-	N/A	N/A	7	N/A	N/A	Half	Full	W/C	N/A	24hrs	24hrs	No	No	The degree of damaged to electric cable and distribution boxes are unkown.
GDh	Vaadhoo	1,373	375																				
Gn	FOAMMULAH	9,638	1,585																				
S	HITHADHOO	13,492	1,708																				
S	Feydhoo	4,535	637																				
S	Maradhoo	3,239	459																				
S	Maradhoo-Feydhoo	1,466	225																				
S	Meedhoo	2,439	411																				
HA	Berinmadhoo	174	30																				
HA	Uliqamu	443	63																				
HDh	Kuburudhoo	338	60																				
HDh	Neykurendhoo	1,265	229																				
R	Unqoofaar		192																				
R	Alifushi	2,275	371																				
ADh	Maamigili	1,920	544																				
GA	Dhevvdhoo	991	185																				
GDh	Madeveli	1,537	217																				
GDh	Hoadedhdhoo	977	250																				

247,666