

**KGs (BEIRUT REGION)**  
ELECTRICAL ASSESSMENT REPORT FOR THE INSTALLATION OF HYBRID PV SYSTEMS

#	KG DETAILS				EXISTING ELECTRICAL SITUATION					PROPOSED SOLUTIONS									
	إسم المؤسسة	إسم الرقعة	إسم العميل	Number of Floors	Time Schedule	EDL Connection (Amps)	Subscription Generator (Amps)	Subscription Generator Schedule	Dedicated Generator (KVA)	UPS/ Inverter	UPS Capacity	Existing Solar PV	Essential Connected Load	Possibility of Installing PV	Location for Batteries	PV Orientation	Structure Type	Notes	OPTION ADOPTED
1	الحمد المرزا	الهدى	مركز البرجينة	1 out of 3 Floors	7:00-1:30	Connected to Mosque	10	-	-	-	-	No	Lighting, Fans (13)	Yes	1F, Mezzanine	South	Floor Mounted		OPTION 2 - 5KW
2	ابناء القسام	ابناء القسام	مركز البرجينة	2 Floors	7:00-1:30	10A	10	(8:00-2:00)	-	-	-	No	Lighting, Fans (10)	No, risk	GF, Storage	-	-	High Risk of installing PV on roof, pigeons, rocks	OPTION 2A - 5KW (Batteries Only)
3	الورج النسانية	تونس	مركز البرجينة	3 + Roof Playground	7:00-1:30	30A	2.5	(10:00-2:00)	-	-	-	No	Lighting, Fans (13), Photocopier	No, risk	GF, Under Stairs	-	-	High Risk of installing PV on roof, theft, rocks	OPTION 2A - 5KW (Batteries Only)
4	حسان كنفاني	حسان كنفاني	مركز البرجينة	3 + Roof Playground	7:00-1:30	10A temporary	5	(11:00-2:00)	-	Yes	11A, 2 Batteries	No	Lighting, Fans (14)	No, risk	GF, Under Stairs	-	-	Possibility of installing PV on roof but buildings surrounding	OPTION 1A - 3.5KW (Batteries Only)
5	بيت أطفال الصمود	بيت أطفال الصمود	مركز البرجينة	3 + Roof Playground	7:30-1:00	40A	5	(8:00-12:00) (2:00-24:00)	-	Yes	14A, 4 Batteries	No	Lighting, Fans	No	GF, Under Stairs	-	-	Roof not accessible, with high buildings surrounding	OPTION 2A - 5KW (Batteries Only)
6	الاجرة	اسعاد العفولة	مركز البرجينة	1 out of 3 Floors	7:00-2:30	30A, 3PH	-	-	45KVA 25KVA	-	-	No	Lighting, Heaters (5x2500W)	Yes	Roof, Mezzanine	South	Floor Mounted	Protection needed, Risk of installing PV on roof, pigeons, rocks	OPTION 3 - 8KW
7	مؤسسة حسان كنفاني	روضة مار الياس	مار الياس	3 Floors	7:30-1:30	Open	20	(7:00-2:00)	-	Yes	Defected	No	Lighting, Fans, Booster	No	Roof, Staircase	-	-	Shadow from near bldg., issue of pigeons	OPTION 2A - 5KW (Batteries Only)
8	بيت أطفال الصمود	بيت أطفال الصمود	خانيلا	2 out of 4 Floors	7:00-1:30	30A	-	-	30KVA	Yes	3hrs Batteries for each floor	No	Lighting, Fans, Heaters	Yes	GF, Storage	South	High Structure	PV installation above water tanks	OPTION 2 - 5KW
9	النجدة	روضة خانيلا	خانيلا	1 out of 3 Floors + Roof	7:20-12:30	Yes	-	-	-	-	-	Yes, 8KW, 4 Batteries 200Ah	-	-	-	-	-	Already Installed	-
10	امال لاني	امال لاني	خانيلا	3 Floors	7:20-5:00	3x100A	30	(12:00-2:00)	30KVA	Yes	15VA, 150A Battery	No	Lighting, Fans, Heaters	Yes	GF, Storage	South East	Floor Mounted	6 Floors to GF	OPTION 3 - 8KW
11	بيت chillohood	بيت حيس	حيز	1 Floor	7:30-5:00	Open	5	-	-	Yes	Defected	Yes, 5KW Inverter, 8 Batteries 200Ah, 12 Panels	Lighting, Fans, HWT, AC (3), Pump	-	1F, Storage	-	Floor Mounted	Existing system with 12 panels, Batteries, Contractor to double check the existing system to reach its full performance	-
12	مركز الاطفال والفتوة	روضة علما	خانيلا	4 Floors	7:30-2:30	20A	-	-	-	Yes, defected	4 Batteries	No	Lighting, Fans	Yes	GF, Under Stairs	South East	High Structure	4 floors to GF	OPTION 2 - 5KW
13	الحمد المرزا	السلام حيزا	حيزا	2 Floors	7:00-1:00	Several Connections	-	-	-	Yes	1500W, 2 Batteries	No	Lighting, Fans	Yes	GF, Kitchen	South East	High Structure		OPTION 2 - 5KW

ALREADY INSTALLED PV