

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

KG DETAILS					
#	إسم المؤسسة	إسم الروضة	إسم المعلم	Number of Floors	Time Schedule
1	حسان كنفال	روضة حسان كنفال	معلم نهر البارد	4 Floors	7:30-4:30
2	الجدد	روضة الجدد	معلم نهر البارد	1 Floor	7:00-1:30
3	السمود	روضة السمود	معلم نهر البارد	1 out of 4 Floors	7:30-3:00
4	جمعية العون الإنساني	روضة الأقباس	معلم نهر البارد	2 Floors	7:30-1:30
5	حسان كنفال	روضة حسان كنفال	معلم البادوي	3 Floors	7:30-12:30
6	الجدد	روضة الجدد	معلم البادوي	2 Floors	7:30-2:30
7	السمود	روضة السمود	معلم البادوي	1 out of 4 Floors	7:30-2:30
8	الحاد المراد الفلسطينية	روضة أطفال فلسطين (الحاد المراد)	معلم البادوي	3 Floors	7:00-1:30
9	جمعية المراد النبوية	روضة أطفال العاصفة	معلم البادوي	2 Floors	7:30-1:00

EXISTING ELECTRICAL SITUATION								
EDL Connection (Amps)	Subscription Generator (Amps)	Subscription Generator Schedule	Dedicated Generator (KVA)	UPS/ Inverter	UPS Capacity	Existing Solar PV	Essential Connected Load	
3x40A	2	Subscription for Janitor	30KVA	Yes	-	No	Lighting, Fans, AC at Library	
Yes	20	1hr per day	-	-	-	No	Lighting, Fans, Photocopier	
Yes	-	-	30KVA	-	-	No	Lighting, Fans, Photocopier, Washing Machine	
Yes	-	-	3KVA	Yes	1.1KVA, 1 Battery for 1st floor lighting	No	Lighting, AC not Working, Fans Defected	
Yes	12	-	80KVA	-	-	No	Lighting, Fans, Lift, Submersible Pump for Sewage	
Open	5	cancelled	-	-	-	Yes, BKW, 4 Batteries 200Ah, 14 Panels	Lighting, Fans, Photocopier	
40A	-	-	40KVA	-	-	No, But shall be executed by others	Lighting, Fans, AC	
10A	-	-	-	-	-	No	Lighting, Fans	
10A	2	11:00-1:00	Defected	Defected	-	No	Lighting	

PROPOSED SOLUTIONS					
Possibility of Installing PV	Location for Batteries	PV Orientation	Structure Type	Notes	OPTION ADOPTED
Yes	Basement, Elec Room	South East	Floor Mounted	All lighting fluorescent should be replaced by LED within the Contractor's scope.	OPTION 3 - 8KW
Yes	Roof, Staircase	South East	Floor Mounted	KG relocating to old camp new BMG. Assessment to be based on new location	OPTION 2 - 5KW
Yes	GF, Under Stairs	South East	Floor Mounted	Protection net for pigeons needed.	OPTION 3 - 8KW
Yes	GF, Storage	South East	Floor Mounted	Installation to be executed after waterproofing activity	OPTION 2 - 5KW
Yes	GF, Elec Room	South East	Floor Mounted		OPTION 2 - 5KW
-	-	-	-	14 panels orientation south east, protection needed	-
Yes	GF, Kitchen Storage	-	-	System to be executed by Others	-
Yes	GF, Under Stairs	South East	Floor Mounted	High protection needed from neighbours, only Off-Grid system shall be adopted as per Client's request	OPTION 2A - 5KW (Batteries Only)
Yes	GF, Under Stairs	South East	Floor Mounted	High protection needed from neighbours and pigeons	OPTION 2 - 5KW

ALREADY INSTALLED PV