	Energy conservation	ion	-Li	gh	ting and power checklist		KAHRA MAA	شریک Tarshe	تر ed
					Energy and Water Conservation code 2016				
PROJECT NAME :						Date			Rev
LOCATION/AREA :									
PIN NUM	BER:								
CONSULTANT NAME :									
CONSULTANT CONTACT PHONE /EMAIL:						BP			
CLIENT I	NAME:					Number			
BUILDIN	G TYPE :								
Load Details			g Load =		AC Load=		Other Load=Specify		
			ower loa		Water Heater=		Cooker=		
		Total Demand load of the Installation							
		Total F	loor are	a of the	Installation in m ²				
	e				nation is required to check the building permit application for casures for the lighting , power, Building Envelope & HVAC of				
Section Ref	Item	Applicability			Information Required (For Bulk Customers only)	Attached Drawing Reference Number Remarks by			
		Yes	No	NA			5	KAHRAMAA Engineer	
Lighting	-Section 2 Final Sub Circuits				1				
	Whether energy efficient lamps are proposed								
2.1	for the project				Provide layout drawing with description of Luminaire				
2.1	Whether electronic ballast are used in fluorescent Luminaire circuits.				Provide layout drawing with description of Luminaire				
Lighting	and power- controls-Section2				, , ,				
2.2	Whether lighting control is proposed as applicable				Provide control diagrams.				
2.2	аррисавіе				Č				
2.3	Whether timer control is proposed for AC				Provide Equipment schedule with type ,capacity , efficiency& control details.				
2.1	Whether timer and photocell lighting control is provided for external lighting				Provide system control diagrams.				
	Motors and power factor -Section 3 &4				1 TOVICE SYSTEM CONTROL GIAGRANIS.				
Electric 1					Descrite Francisco estado de la crista de consecución				
3	Whether High efficient motors are proposed for the project				Provide Equipment schedule with type ,capacity , efficiency& control details.				
4	Whether the overall system power factor of the installation will be minimum 0.9 lag				Provide details of power factor correction equipment				
	Any non conventional energy sources are used for the project.				System Description and Detailed schematic diagram				

HVAC											
Installed Capacity of A/C equipment(TR) (Without counting Stand by units)					Electrical Demand load for A/C equipments in kW=						
Total Air Conditioned Floor Area in m ²					Demand load of Unitary exhaust fans(not part of A/C system) in kW						
Section Ref	Item	Applicabil		ility	Information Required (For Bulk Customers only) Attached Drawing Reference Number	Remarks by					
		Yes	No	N A		KAHRAMAA Engineer					
THERMAL INSULATION OF BUILDING (SECTION 5)											
5.2	Wall & Roof U value				Provide Wall & roof U value calculation sheet(Appendix :1)						
	Window Requirements				Provide Window Schedule(Appendix : 1).						
HEATING , VENTILATION AND AIR CONDITIONING (SECTION 6)											
6.2	Min .Equipment Efficiency				Provide Equipment Schedule with type, capacity & efficiency.(Appendix :2)						
6.3	Cooling Equipment Control				Provide System Control Diagrams(For Bulk Customer only).						
6.4	Energy Recovery Ventilation				Provide Energy Recovery Ventilation System Schedule with Efficiency Details(For Bulk Customer only).						
6.5	Load Calculation				Provide Cooling Load Summary Sheet.						
	Special Energy Conservation Measure Considered in the Building:				Provide details						
Consultant/Authorized Signatory signature and stamp											
Notes 1	The Lighting &HVAC checklist shall be attached along with the application for BP approval for all projects										
	For Non Bulk Customer Provide description of Luminaire with type of lamp used against items 1&2 of 2.1										
	The Consultant/Contractor shall consider the actual load of the equipment for Air conditioner, Water heater, cooker and lighting equipment, and the same load shall be followed in construction stage as										
3	well. The actual load should reflect in all load schedules.										
4	The Checklists, Calculations and relevant drawings are to be detached By Installation engineer BP Number entered and forwarded to conservation department CN										