



\_\_\_ Reactive Electricity Compensators

\_\_\_ Harmonic Generators

\_\_\_ Labour Camp

\_\_\_ Others

Water % of Ultimate Demand:

\_\_\_ Agriculture

\_\_\_ Landscaping

\_\_\_ Sanitation/Waste Disposal

\_\_\_ Process Water

\_\_\_ Cooling

\_\_\_ Fire Protection

\_\_\_ Drinking

\_\_\_ Cooking

\_\_\_ Washing/Cleaning

\_\_\_ Labour Camp

\_\_\_ Others

**B4. Project Specific Consumption Rates**

B4.1 Average electrical energy consumption per unit of production: \_\_\_\_\_ (MWh/Unit)

B4.2 Average water consumption per unit of production: \_\_\_\_\_ (Cubic Meter/Unit)

**B5. Yearly Maximum Demand & Quantity (See Table "B5")**

Note: Before filling in Table B5, please see the Section E - Notes & Guidelines E7 to E11 on page 6.

Table B5 - Yearly Maximum Peak Demand & Quantity								
Year	Facility Population in the Year (Refer E14 in Page 7)	Project Execution Phase(Ref. A7)	Electricity Demand in the Year		Potable Water Demand in the Year		Distillate Demand in the Year	
			Maximum Peak *MW (See E18)	MWh/Year	Maximum Peak **MIGD (See E18)	MIG/Year	Maximum Peak **MIGD	MIG/Year
<b>Past Years Historical Actual Demand</b>								
2011								
2012								
2013								
2014								
2015								
2016								
2017								
<b>Future Demand Forecast</b>								
2018								
2019								
2020								
2021								
2022								
2023								
2024								
2025								
2026								
2027								
2028								

\*MW= Megawatt

\*\*MIGD= Million Imperial Gallons per day

**B 6 : Bulk Customer Having multiple project / Connections**

Project Name/s <sup>(1)</sup>		2018	2019	2020	2021	2022	2023
	Electricity (MW) <sup>(2)</sup>						
	Water (MIGD) <sup>(3)</sup>						
	Project Status (O,C,T,D,F,P) <sup>(4)</sup>						
	Electricity (MW) <sup>(2)</sup>						
	Water (MIGD) <sup>(3)</sup>						
	Project Status (O,C,T,D,F,P) <sup>(4)</sup>						
	Electricity (MW) <sup>(2)</sup>						
	Water (MIGD) <sup>(3)</sup>						
	Project Status (O,C,T,D,F,P) <sup>(4)</sup>						

1. These are the Project Names on KM Records. Please add/amend as required, denoting as existing and new project loads.
2. Electricity - Peak demand (in MW)
3. Water - Peak demand (in MIGD) total for potable & distillate
4. Project Status : O – Operation , C – Construction , T – Tender, D – Design , F – Feasibility, P - Planning

**Section C – In-House Electricity and Water Production Information**

**C1. Do you intend to supply your Electricity/Water demand through in-house production? (Y/N) \_\_\_\_\_**

**If Yes, please indicate the percentage of your requirements you intend to provide through your in-house production.**

**C1.1 Electricity (%) \_\_\_\_\_ C1.2 Water (%) \_\_\_\_\_**

**C2. Do you need backup supply from Kahramaa? (Y/N) \_\_\_\_\_**

If Yes, please tick mark if one or both apply:

Require Backup during Kahramaa's System Peak Periods. Electricity  Water

Require Backup during Kahramaa's System Off-Peak Periods. Electricity  Water

**C3. Please provide your in-house capability to produce electricity and/or water, if any:**

ELECTRICITY			
Unit No.	Generating Unit Description	Capacity (MW)	Type of generation technology (ST-GT-CC etc.....).

WATER			
Unit No.	Water Production Unit Description	Capacity (MIGD)	Type of Technology (MSF, MED, RO)

**C4. Do you intend to have Electricity/water exchange with Kahramaa? (Y/N) \_\_\_\_\_**

If Yes, please provide the following details:



- E7. GOVERNMENTAL:** Projects sponsored, financed, owned and contracted by Government Agencies like Qatar Government directly or Agencies like UPDA, MMAA, Qatar Foundation, National Health Authority, Kahramaa, Hamad Medical Corporation, and such others.
- E8. COMMERCIAL:** All Projects used for Business Purposes other than Industrial and Residential, which are Private like City Centre, Land Mark, Dasman Centre, Lulu Centre, Villagio, Hotels and such other Entities.
- E9. RESIDENTIAL:** All Individual Flats, Apartments, Grouped Buildings and Residential Complexes, Villas and Independent Houses used for purely for Residential Purposes of Families or Individuals.
- E10. MIXED COMPLEXES (RESIDENTIAL & COMMERCIAL):** All projects which may be a combination of both Residential & Commercial in nature such as The Pearl Qatar, Barwa, Lusail Development, North Beach Resort Projects, and such other Entities.
- E11. INDUSTRIAL:** All Projects, Which are basically Process /Production / Manufacturing in nature such as Qatar Steel, Qatar National Cement Company (QNCC), Qatar Fertilizers, All QP Process Projects and such other entities of this nature, other than Residential, Commercial & Mixed Residential Commercial nature. This Industrial class may be categorized into 3 categories: eg., Heavy, Medium and Light Industrial.

**Specific Guidelines for filling Table B5:**

- E12. Last 6 Years Historical Actual Demand.** For the 6 Years before the Survey year, please provide Actual Demand Figures for Projects that are in Operation phase.
- E13. Future Demand.** For the succeeding future years, please provide supply requirements in all the various phases of the Project. The information is to be provided by the respondent for a period not less than 14 years from the start of the planning phase.
- E14. Facility Population.** Provide the number of people requiring electricity and water for all phases of the project for each year.
- E15. Project Execution Phase.** Write the appropriate letter for each phase or a combination of the same (for parallel phase) as appropriate against each year with P=Planning, F=Feasibility, D=Design, T=Tendering, C=Construction, O=Operation.
- E16. Electricity Demand, Potable Water Demand and Distillate Demand.** First, fill in the historical demand for the last 6 years, if any. Then fill in the future demands in the succeeding future years. Attaching yearly demand curves will also help Kahramaa understand your requirements better.
- E17. Peak Demand for Water:** Means the highest Monthly Average Demand in Million Imperial Gallons per Day (MIGD) during the Year.
- E18. Peak Demand for Electricity:** Means the highest Electricity Demand in Megawatts (MW) during the Year.

**Specific Guidelines for filling Table B6.1 to B6.5:**

- E19. Facility Population.** Provide the number of people requiring electricity and water for all phases of the project for each month.
- E20. Project Execution Phase.** Write the appropriate letter for each phase or a combination of the same (for parallel phase) as appropriate against each month with P=Planning, F=Feasibility, D=Design, T=Tendering, C=Construction, O=Operation.
- E21. Electricity MW, Electricity MWh/Month, Potable Water MIGD, Potable Water MIG/Month, Distillate MIGD, Distillate MIG/Month.** Fill in the future demand information on each month of the year.

**Section F – Respondent Contact Information**

**Name** : \_\_\_\_\_ **Designation:** \_\_\_\_\_  
**Address** : \_\_\_\_\_  
**Telephone** : \_\_\_\_\_ **Mobile:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **Email:** \_\_\_\_\_  
**Signature** : \_\_\_\_\_ **Date (dd/mm/yy):** \_\_\_\_/\_\_\_\_/\_\_\_\_  
*Note: If Joint Venture Project then Joint Venture Leader shall sign.*

If any respondent data is provided by the Consultant, please provide the consultant's contact details as required below:

**Name** : \_\_\_\_\_ **Designation:** \_\_\_\_\_  
**Address** : \_\_\_\_\_  
**Telephone** : \_\_\_\_\_ **Mobile:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **Email:** \_\_\_\_\_  
**Signature** : \_\_\_\_\_ **Date (dd/mm/yy):** \_\_\_\_/\_\_\_\_/\_\_\_\_

**Section G –Survey Preliminary Analysis For Kahramaa Official Use Only**

Date Survey Form Received by CPBD from CSD (dd/mm/yy): \_\_\_/\_\_\_/\_\_\_

**Internal Circulation Process:**

1. After receiving from CSD, filled up Survey Forms shall be circulated by CPBD to all concerned departments. Department shall communicate their comments through a formal IDM to CPBD. If the space provided is insufficient for comments, they can separately attach more sheets.
2. If no comments from other departments are received by CPBD within 2 weeks after circulation, it shall be assumed that they have no further comments.
3. Should CPBD deem it necessary to verify any doubts on survey data in this form, CPBD shall require other departments to investigate further.

Dept	Comments	Name	Signature	Date (dd/mm/yy)	Date Comments Received by CPBD (dd/mm/yy)
ET					
EP					
ED					
WP					
WO					
WF					
TE					
TW					
CS					

Note: Pages 1 to 7 of this form should be filled in by the developer or owner of projects requiring a minimum demand of 5MW of electricity and/or 600 cubic meters/day (0.132 MIG) of water.