

**1.1 Demonstrate knowledge of regulations, codes, standards, and safety - this includes local engineering procedures and practices as applicable.**

**Situation:**

Ensuring relevant quality construction standards. I followed the Qatar Regulations for the Installation of Electrical Wiring, Electrical Equipment

**Action:**

I utilized the applicable quality and construction codes as Construction manager in Powerline Qatar Company

**Outcome**

I took into consideration compliance of the quality standards so that the company can pass its quality considerations.

**Commentary:**

Your discussion of the element cites work (Egypt) which is not shown in CV

Add some relevant construction standards used in Qatar and then discussion can be built around those. Share the standards used and list in which projects you used them

**Some possible standards that are applicable**

*Qatar Regulations for the Installation of Electrical Wiring, Electrical Equipment and Air conditioning Equipment – Metric Edition*

*Australian Building Code Regulations – maximum connected load estimates Equipment, apparatus and material:*

*British and European Standards (IEC, BS, ISO) supplemented by American Standards (ANSI, ASME, ASTM, IEEE, NEMA) and German Standards (VDE, VDI, DIN) KAHRAMAA General Technical Requirements Reference GTC/5/2004*

**1.2 Demonstrate knowledge of materials, or operations as appropriate, project and design constraints, design to best fit the purpose or service intended and address inter-disciplinary impacts.**

**Situation:**

Select tools, materials and equipment and track inventory

Implementation of the site and site management of raw materials and labor

Allocating budget resources, formulating policies, coordinating business operations, monitoring and motivating

**Action:**

I managed raw material for construction of school in Taif (Saudi Arab).

For Buildings of the Future Co. (Doha –Qatar) I as a General Manager have been responsible for overall project management. I coordinated the structural work delivery, finishing works and MEP works. I worked on new construction as well as modification and renovation projects. The material for the required activity was sourced from best cost/quality supplier and I managed the work schedules to work optimally with the available resources, managing costs and scheduling for timely completion.

I used time crashing and resources addition when required to meet project requirements. My objective was to optimize resources time and utilization so I would juggle resources within projects using master scheduling and adjust resources.

**Outcome**

I completed the following projects

- 2 Villa sheikha munieera
- 2 villa Sheikha Sheikha
- Sheikh Khalifa Al Thani [Palace]
- Sheikha Mona villa
- Sheikh Ahmed Khalifa Al Thani Substation
- MARBLE AND GRAINT CENTER LABORS HOUSING
- AL-MANARA MAINTENANCE &TRADING Co. W.L.L

Besides the completed projects, several projects are on going

### 1.3 Analyze technical risks and offer solutions to mitigate the risks.

#### **Situation:**

Demolishing building in the critical zone, required complete risk assessment exercise with plan to protect the endangered subway

Ensuring safety and risk prevention of all personnel in the work zone, and ensuring clear mark out of construction zone

#### **Action:**

Conducted risk assessment of all building to be demolished

Conducted pre-demolition inspection to identify any environmental issues that needed to be addressed

Documented complete process of building demolishing along with risk prevention methodologies for safeguarding existing structures.

I made safety policy mandatory for all workers, which included wearing safety helmets and safety gloves and safety harness where required

Put up traffic signs and vision aids to prevent commuters from entering demolition zone

Assessment of vibration, ground stability and plan for disposal of hazardous waste material.

#### **Outcome**

Permit and permission for proceeding with demolition

Completion of demolition and clean up

#### 1.4 Apply engineering knowledge to design solutions.

##### **Situation:**

Preparation of technical specifications  
Design with phase wise delivery and schedule  
Develop detailed processes and work procedures

##### **Action:**

I prepared detailed technical specifications for MEP, Electrical and HVAC equipment.  
My design solution documented phase wise work plans cross-linked with master project plan for all of my projects so work schedule, resource requirements could be synchronized..  
My project plan included contingencies and back up plans in case of any issues, this helped in avoiding work stalling  
Work procedures and processes were explained to senior supervisors, subcontractors and foreman and workers briefed in daily toolbox meeting so mishaps could be avoided and work can progress smoothly  
Compliance with procedures and standards was strictly enforced on all work sites

##### **Outcome**

The work progressed smoothly and as per the master schedules. Any issues that arose were handled using the processes and procedures and compliance requirements helped in meeting the standards without any issues.