**Power Factor Correction Information: PROJECT NAME:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Question** | **Answer** | **Unit** | **Comments** |
| 1 | Is the APR to perform Power Factor Correction. | Yes / No |  |  |
| 2 | Please Provide Amount of Capacitive KVARs required. |  | kVAR |  |
| 3 | If the APR is to also correct leading power factors, please provide the amount of Inductive KVAR required. |  | kVAR |  |

**Harmonic Correction Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Question** | **Answer** | **Unit** | **Comments** |
| 1 | Is the APR to perform Harmonic Filtering. | Yes / No |  |  |
| 2 | What is the Size of the Supply Transformer |  | kVA |  |
| 3 | What is the % Impedance of the Supply Transformer. |  | % |  |
| 4 | Please provide a single line drawing of the site, identifying the supply transformer and major loads. |  | kA |  |
| 5 | Please provide a current harmonic spectrum of the load. |  |  | Please attach harmonic current spectrum from the 1st to the 49th. |
| 6 | What is the target THDi @ 100% Load. Please advise any additional harmonic requirements. |  | % |  |
| 7 | What is the target THDI @ 50% Load |  | % |  |
| 8 | What is the target THDV @ 100% Load |  | % |  |
| 9 | What is the target THDV @ 50% Load |  | % |  |
| 10 | Is compliance to IEEE 519-1992 Required? | Yes / No |  |  |
| 11 | What is the short circuit current at the PCC. |  | kA |  |
| 12 | What is the customers maximum demand current. |  | A |  |
| 13 | Will the APR be supplied by onsite Generators at some stage | Yes / No |  |  |
| 14 | What is the rating of the Generator(s) |  | KVA |  |
| 15 | What is the Generator Output Voltage |  | Vl-n |  |
| 16 | What is the Generator Sub Transient Reactance? |  | Ohms |  |
| 17 | How Many Generators Are There? |  |  |  |

**Cabinet Details**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Question** | **Answer** | **Unit** | **Comments** |
| 1 | Is cable entry TOP or BOTTOM? | TOP / BOTTOM |  |  |
| 2 | To What Form or IP rating is the APR Cabinet to be Built – IP21, IP56. The APR may also be shipped in a Form 4 Switchboard. |  |  |  |
| 3 | Do you require the APR to display Power Quality Information. The APR will normally be supplied with a PQM display. | Yes / No. |  |  |

**Communication Options**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Question** | **Answer** | **Unit** | **Comments** |
| 1 | Voltage Free Alarm Relay Contacts | Yes / No |  | This is standard with the APR. |
| 2 | Modbus Interface | Yes / No. |  |  |
| 4 | SNMP Interface | Yes / No |  |  |
| 5 | PQM Display – provides user feedback on the power quality of the site via a front mounted LCD display. | Yes / No |  |  |