

EE 492 – sdmay19-26

115kV / 34.5kV SOLAR POWER PLANT/SUBSTATION DESIGN PROJECT

Week 6 Report

Monday (2/18/2019) – Sunday (2/24/2019)

Client: Black & Veatch

Advisor: Venkataramana Ajjarapu

Team Email: sdmay19-26@iastate.edu

Team Members:

Katayi Katanga

Nur Shuazlan

Yao Cheah

Chufu Zhou

Tam Nguyen

Weekly Summary:

This week, we had one meeting with our client, Black and Veatch. In our meeting with the client, we discussed about drawings that we were editing, Comm RTU, W01, and Main AC connection. Then, we started working on the layout drawings.

Summary of Client meeting:

- Chufu did safety moment about Staying healthy during final weeks.
- Then, we discussed the updates on the drawings:
 - We don't need to change SEL 2515 to something else, and always match everything to the project scope document.
 - We need to delete the RTU PANEL and rename the panels.
 - We don't need to worry about double-checking the cable sizes in the AC main connection drawing.
 - In the next meeting, we will have the rest of the layout drawings finished.

Past Week Accomplishments:

Katayi Katanga

- Completed the ABS 13 diagram.
- Checked AC Schematic, ABS 10 diagram, Breaker failure drawing, and Layout Drawing 2, and Layout Drawing 1.

Nur Shuazlan

- Completed the AC Schematic, and ABS 10 diagram.
- Checked ABS 13 diagram, Layout Drawing 2.

Yao Cheah

- Worked on comm rtu diagram.
- Checked ABS 13 diagram, Breaker failure drawing, and Layout Drawing 1.

Chufu Zhou

- Completed the Layout Drawing 2.

Tam Nguyen

- Completed the Breaker failure drawing.
- Worked on Layout Drawing 1.
- Checked AC Schematic, and ABS 10 diagram.

Pending Issues:

- Waiting for feedback from the client regarding the drawings.

Plans For Next Week:**Katayi Katanga**

- Check Layout Drawing 2, Layout Drawing 3, Layout Drawing 4, Layout Drawing 5, Layout Drawing 6, and comm rtu diagram.

Nur Shuazlan

- Work on Layout Drawing 4.
- Check Layout Drawing 2, Layout Drawing 3, Layout Drawing 5, and comm rtu diagram.

Yao Cheah

- Complete the comm rtu diagram.
- Work on Layout Drawing 3.
- Check Layout Drawing 6.

Chufu Zhou

- Work on Layout Drawing 5.

Tam Nguyen

- Work on Layout Drawing 6.
- Check Layout Drawing 4.

Individual Contributions

Team Member	Individual Contributions	Hours	Cumulative Hours
Katayi Katanga	Did research on: <ul style="list-style-type: none"> - Project scope Created/Performed: <ul style="list-style-type: none"> - AutoCAD modification to the diagram - attended all meetings 	6	35
Nur Shuazlan	Did research on: <ul style="list-style-type: none"> - Project scope 	6	35

	<p>Created/Performed:</p> <ul style="list-style-type: none"> - AutoCAD modification to the diagram - attended all meetings 		
Yao Cheah (YJ)	<p>Did research on:</p> <ul style="list-style-type: none"> - Project scope <p>Created/Performed:</p> <ul style="list-style-type: none"> - AutoCAD modification to the diagram - attended all meetings 	6	34
Tam Nguyen	<p>Did research on:</p> <ul style="list-style-type: none"> - Project scope <p>Created/Performed:</p> <ul style="list-style-type: none"> - AutoCAD modification to the diagram - attended all meetings - Weekly reports. 	6	34
Chufu Zhou	<p>Did research on:</p> <ul style="list-style-type: none"> - Project scope <p>Created/Performed:</p> <ul style="list-style-type: none"> - AutoCAD modification to the diagram - attended all meetings 	6	33

Team Hours: 30

Cumulative Team Hours: 171