
WEEKLY REPORT No. 006
August 24th to 28th, 2020

PROJECTS:

PO No. TPS 20-006 TERMOPUERTOSOLO 2 - BUENAVENTURA, TRANSMISSION LINE 115kV AND POWER ELECTRICAL SUBSTATION SE TABOR

PO No. TS1 20-009 TERMOSOLO 1 - PALMIRA, TRANSMISSION LINE 230kV AND POWER ELECTRICAL SUBSTATION SE SAN MARCOS

1. PURPOSE

The purpose of this document is to report to Client Upper Management the current weekly progress related with the projects:

- TERMOSOLO 2 BUENAVENTURA, TRANSMISSION LINE 115kV AND POWER ELECTRICAL SUBSTATION SE TABOR.
- TERMOSOLO 1 PALMIRA, TRANSMISSION LINE 230kV AND POWER ELECTRICAL SUBSTATION SE SAN MARCOS.

2. ABBREVIATIONS

- TERMOPUERTO SOLO 2 – TS2
- POWER ELECTRICAL SUBSTATION TS2 – SE2
- POWER ELECTRICAL SUBSTATION TABOR 115kV, CELSIA EPSA TO RECEIVE TL2 – SE TABOR
- TERMO SOLO 1 – TS1
- POWER ELECTRICAL SUBSTATION TS1 – SE1
- POWER ELECTRICAL SUBSTATION SAN MARCOS 230kV, ISA TO RECEIVE TL1 – SE SAN MARCOS
- TRANSMISSION LINE 1 FROM TS1 TO SE SAN MARCOS – TL1
- TRANSMISSION LINE 2 FROM TS2 TO SE TABOR – TL2
- MOTA-ENGIL – ME
- SCOPE OF WORKS – SoW
- RFP PACKAGE No. CC03-AA-SOH-RFP-107-8003. POWER ELECTRICAL FOR 115 kV TRANSMISSION LINES AND ELECTRICAL SUBSTATIONS ENGINEERING, PROCUREMENT, CONSTRUCTION, INSTALLATION, COMMISSIONING, AND START-UP (EPCIC/S) SERVICES – RFP EPC 115kV
- RFP PACKAGE No. CC05-AA-SOH-RFP-107-8005. POWER ELECTRICAL FOR 230 kV TRANSMISSION LINES AND ELECTRICAL SUBSTATIONS ENGINEERING, PROCUREMENT, CONSTRUCTION, INSTALLATION, COMMISSIONING, AND START-UP (EPCIC/S) SERVICES – RFP EPC 230kV

3. POINTS OF ATTENTION

3.1 TS2 – LT2 – SE2 – SE TABOR – BUENAVENTURA

- The technical documents for the underground portion of TS2 are going to be completed by GERS on August 31st.
- SUMED has been supporting RFP EPC 115kV process, answering the questions submitted by ME.

3.2 TS1 – LT1 – SE1 – SE SAN MARCOS – YUMBO

- As discussed with SeaOne on August 24th, for LT1, GERS will develop the technical documents considering 25 supports (12 poles and 13 towers).
- For LT1, the RFP EPC 230kV to be requested to ME, will include: a basic proposal with 12 poles and 13 towers, and an alternative proposal with 25 poles.
- The negotiation with the Owners of the lands is a time-consuming process. The initial phase of this activity should start as soon as possible, independently of the project finance status.
- ME is pending to submit the proposal for the storage and truck loading facilities.

4. CURRENT STATUS

4.1 WARTSILA EPC POWER PLANT

4.1.1 TS-2.

- If Wartsila requires back feed from grid for Power Plant commissioning activities, a backward planning is required to integrate the schedules of the port, power plant, TL2 and SE2.
- Wartsila will prepare a document with requirements for the power platform and substructure requirements for the reception of the area.
- Wartsila confirmed water quality requirements but it is missing water flow and pressure at the interconnection point of the treated water. It is pending to confirm if this information has been submitted to ME.
- SUMED recommends to confirm to Wartsila that laydown area should be included in their proposal.

4.1.2 TS-1.

On August 14th, the following points were submitted to Wartsila for clarification:

- Water quality requirements in the intake of the water treatment plant, included in the SoW.
- Confirm the SoW in substructures.

No answer has been received during this week.

4.2 O&M POWER PLANT CONTRACT

- It is pending to request more information about O&M strategy with SeaOne.

4.3 CQS - EASEMENT NEGOTIATION

4.3.1 TS-2.

- TL2. Poles 1 to 7. No comments under control.
- TL2. Pole 6 to 7 permit over the El Piñal Bridge and Calle 6 to be obtained with INVIAS.
- TL2. Pole 7 underground to SE Tabor. Easement permit for underground route to be obtained with INVIAS.
- TL2 inside El Tabor Power Electrical Substation permit and easement is included in the interconnection agreement.

4.3.2 TS-1.

- List of reference price will be completed by the end of August, 2020.
- Appraisal of the easement and towers/poles sites will be performed during September, 2020. This activity should start as soon as possible independently of the results of the land survey.
- Negotiations will start once the appraisal of the easements has been completed.
- The negotiation SoW needs to be assigned in a purchase order to CQS by September, 2020.

4.4 PERMITTING

- Permit action tracking document developed by team and weekly populated in order to identify all permits for the project.
- Permits weekly meeting is scheduled every Tuesday afternoon.

4.5 GERS - TRANSMISSION LINE (TL) AND POWER ELECTRICAL SUBSTATIONS (SE)

4.5.1 SE2 + LT2 + SE TABOR.

- Pole 7 - SE Tabor. Pole 7 to SE Tabor, underground crossing and outcrop in SE Tabor bay engineering designs to be completed on August 31st.

4.5.2 SE1 + LT1 + SE SAN MARCOS 230kV.

- TL1 engineering progress. Lidar survey land field works were completed on August 24th. The results will be delivered on September 4th.
- SE San Marcos. Engineering progress 0%.
- Soil studies for TL1. This activity will start in a Stage 1 with 10 supports. This activity is required to start as soon as possible.

4.6 ISA INTERCOLOMBIA INTERCONNECTION AGREEMENT

- SUMED is pending to review and submit comments to Sea One about the TermoSolo 1 Interconnection agreement.

4.7 RFP EPC 115kV (SE2 + LT2 + SE TABOR)

- In the RFP EPC 115kV process with ME, it is required the support of Sea One and current consultants to answer the questions and perform clarifications.
- ME requested the Bill of Quantities (BoQ) of the project. SE2 was submitted to ME but TL2 information is not available. The recommendation to ME was to not depend on this request for the development of the proposal.
- ME proposal is expected to be received around Sep 11th.

4.8 RFP EPC 230kV (SE1 + LT1 + SE SAN MARCOS)

- SUMED worked in the RFP document. It is ready to be submitted to ME on August 31st.
- The SoW clarification meeting with ME to be developed on August 31st or September 1st.
- GERS is working in some preliminary technical information to be included in this RFP, as follows:
 - LT1.
 - Technical specifications for design, construction, electromechanical assembly and tests.
 - Loads three for towers and poles.
 - Technical specification for insulators, fittings, phase conductor cable and guard cable.
 - Towers and poles shapes.
 - Foundations preliminary designs.
 - SE SAN MARCOS
 - Technical specifications for design, construction, electromechanical assembly and tests.
 - Major equipment technical specifications.

4.9 MOTA-ENGIL (ME) TS1 SUPPORT INFRASTRUCTURE

- TS1 storage and truck loading facilities technical answers were received on August 21st.
- The proposal with this SoW is pending to be received.

4.10 AQUA Y TERRA / AYT – ENVIRONMENTAL LICENSING

4.10.1 TS-2

- Pole 7 to El Tabor Bay Line. The project description for the environmental studies was discussed in a meeting on August 27th with AyT, CQS, SeaOne and SUMED. The pending points are going to be closed during the next weeks.
- The EIA for the not licensed section of TL2 will be submitted to the environmental authority on September 24th approximately.

4.10.2 TS-1

- The project description for the environmental studies was discussed in a meeting on August 28th with AyT, CQS, SeaOne and SUMED. The pending points are going to be closed during the next weeks.