
WEEKLY REPORT No. 008
September 06th to 11th, 2020

PROJECTS:

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

PO No. TS1 20-009 TERMO SOLO 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:

- TERMO SOLO 2 BUENAVENTURA, TRANSMISSION LINE 115kV AND POWER ELECTRICAL SUBSTATION SE TABOR.
- TERMO SOLO 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
- EPA - ESTABLECIMIENTO PUBLICO AMBIENTAL DE BUENAVENTURA.
- ISA – ISA INTERCOLOMBIA HIGH VOLTAGE NATIONAL TRANSMISSION SYSTEM OPERATOR.

3. POINTS OF ATTENTION

3.1 TS2 – LT2 – SE2 – SE TABOR – BUENAVENTURA

- The technical documents for the underground portion of TS2 were not received on Sep 11th, deliverables will be received on Sep 14th.
- It is important to receive the cost estimate associated with the environmental studies in EPA and to be ready for the payment transactions. The cost is estimated in US\$ 60.000.

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- 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.

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

- The meeting for the scope of work clarification was performed with IA Ingenieros Asociados on Sep 11th.
- ME confirmed by email that they will submit the proposal for the storage and truck loading facilities on Sep 21st.
- ISA offered a Build, Own, Operate and Maintain (BOOM) the SE1, TL1 and SE SAN MARCOS bay line. A document explaining the status of the project should be delivered next week including the scope of works to be executed by ISA and maintained by Sea One (This includes easement negotiations and environmental licensing).

4. CURRENT STATUS

4.1 WARTSILA EPC POWER PLANT

4.1.1 TS-2.

- An interface meeting was performed on Thursday Sep 8th with Wartsila, ME, SeaOne and SUMED. The interface list and its responsibilities were discussed. On Sep 11th, the interface excel file was completed by Wartsila and transferred to ME. It is pending to receive the comments from ME and to schedule the next meeting for discussion.
- The interface list with Wartsila will include the document with the requirements for the power platform, substructure requirements for the reception of the area and the water flow and pressure at the interconnection point of the treated water.
- It is important to analyze when the access to the power plant platform will be completed and if the platform size is adequate for the laydown required by Wartsila, if this could not be granted, Wartsila should consider the laydown area in their proposal.

4.1.2 TS-1.

Once the interface list for TS-2 has been closed, the same exercise should be completed for TS-1.

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. This activity needs to be pushed.
- TL2. Pole 7 underground to SE Tabor. Easement permit for underground route to be obtained with INVIAS. This activity needs to be pushed
- TL2 inside El Tabor Power Electrical Substation permit and easement is included in the interconnection agreement.

4.3.2 TS-1.

- In the socialization meeting with Carton Colombia Smurfit Kappa, it was requested by Owner to change the route to from LTS-5 to LTS-8 a different position, as follows:

Figure 1. Previous route from LTS-5 to LTS-8



Figure 2. New requested route from LTS-5 to LTS-8



- This new route is accepted by Carton Colombia Smurfit Kappa and it will help with the negotiations and the access for the soil studies. The number of site supports is the same. The impact is calculated in an additional retention 90 degrees pole instead of a suspension pole, furthermore, the type of foundation could require piling.
- It is pending to send this information with a letter to Carton Colombia Smurfit Kappa.
- It is pending to confirm if the list of reference prices was completed on past August.
- Appraisal of the easement and towers/poles sites will be performed during September, 2020. Land survey information was submitted to CQS on Sep 2nd.
- Negotiations will start once the appraisal of the easements has been completed.

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 has not been completed. It is pending to receive the technical specification for the cable and for construction. These deliverables will be completed on Sep 14th.

4.5.2 SE1 + LT1 + SE SAN MARCOS 230kV.

- Lidar survey land field works and aero photogrammetry works need to be repeated in the new route from LTS-5 to LTS-8.
- SE San Marcos. Engineering progress 0%.
- Soil studies for TL1. This activity will start in a Stage 1 with 10 to 12 supports. This activity will be scheduled after Sep 15th for TLS-24 to TLS-16. Additional site supports locations for soil studies will be confirmed during next week.
- During September 2020, GERS will be completing reference deliverables for RFP EPC 230kV.

4.6 ISA INTERCOLOMBIA INTERCONNECTION AGREEMENT

- SUMED submitted the Interconnection agreement comments on Sep 7th.
- The meeting with ISA INTERCOLOMBIA, Posse Herrera Ruiz, GERS, SeaOne and SUMED was done in Sep 7th. It is suggested to close technical and legal comments separately in order to go forward faster. The goal is to close the interconnection contract before the end of October 2020 to inform it as a milestone to UPME and XM.

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

- ME proposal was not received by Sep 11th. Additional companies will be invited to the RFP bid process.
- IA Ingenieros Asociados was invited to the bid process and the meeting for clarification of the scope of works was performed on Sep 11th.

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

- IA Ingenieros Asociados was invited to the bid process and the meeting for clarification of the scope of works was performed on Sep 11th. The other potential bidders have not answered the invitation. The bidder confirmed that they could submit a proposal in October 14th to 30th.
- GERS is working in some preliminary technical information to be included in this RFP, for LT1 and SE SAN MARCOS. The information is scheduled to be received during September. The strategy is to push in order to receive deliverables each week.

4.9 MOTA-ENGIL (ME) TS1 SUPPORT INFRASTRUCTURE

- SUMED is pending to review the information submitted by ME for this item.

4.10 AQUA Y TERRA / AYT – ENVIRONMENTAL LICENSING

4.10.1 TS-2 Pole 7 to El Tabor Bay Line.

- It is pending to receive an answer from the ICANH - Instituto Colombiano de Antropología e Historia. This document is necessary to submit the environmental studies in EPA.
- The Project description closeout for environmental studies is pending to receive some technical documents already completed by GERS.

- The EIA for the not licensed section of TL2 will be submitted to the environmental authority by the end of September 2020.
- The second stage for the socialization with the communities in Buenaventura will be performed during next days.

4.10.2 TS-1

- The project description needs to be adjusted considering the change in the route from TSE-5 to TSE-8. A meeting will be scheduled in order to close again this point.