
WEEKLY REPORT No. 011
September 28th to October 2nd, 2020

PROJECTS:

PO No. TPS 20-006 TERMOPUERTO SOLO 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.
- CC-SKC – CARTON COLOMBIA SMURFIT KAPPA COLOMBIA
- CON – CONCEJO NACIONAL DE OPERACIÓN
- DIAN – TAX GOBERMENT ENTITY. DIRECCION DE IMPUESTOS Y ADUANAS NACIONALES.
- LNTP – LIMITED NOTICE TO PROCEED.

3. POINTS OF ATTENTION

- For the Puerto Solo Port, Termo Puerto Solo TS-2 and Termo Solo 1 TS-1 Free Trade Zone Contracts it is required to perform some architectural drawings for the Power Plants and the offices / DIAN buildings. It is a requirement for contract signature process. On Oct 01, Araujo Ibarra sent some minimum requirements for these deliverables. The LNTP to be issued to ME should include this works.

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- The project should focus on the progress evidences to support the next XM audit on December 2020.

3.1 EPC PORT CONTRACT ME

- For the adjusted proposal including the wharf reduction and the tanks modification, ME confirmed it will be submitted to SeaOne on Oct 13th.
- The ME EPICS contract to be signed in October 2020 and LNTP targeted to be issued on Nov 01st.

3.2 TS2 – LT2 – SE2 – SE TABOR – BUENAVENTURA

- Analyze definitions or strategy related with the “Giros Ordinarios” in order to understand if the Power Plant and the Transmission Line 115kV are going to be relocated.
- During present week, the EPA confirmed it is not required the payment for the EIA submission to EPA. This payment is required during the reviewing process.
- RFP EPC 115kV proposals to be received by the end of October 2020.
- The Wartsila EPC contract to be signed in October 2020 and LNTP targeted to be issued on Nov 01st

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

- EIA will be submitted to ANLA on Oct 15th.
- It is pending to receive ME proposal for Termo Solo 1 support infrastructure.
- The RFP EPC 230kV proposals to be received by the end of October 2020.
- The Wartsila EPC Contract includes the scope of works for the power electrical substation 13.8/230kV. If an agreement is not reached with Wartsila on Q4 2020 it is recommended to assign this package to other bidder because of long lead items like power electrical transformer. This equipment could take at least 12 months just for fabrication.
- The project will cross the 500kV transmission line from Substation Alferez (located at the south of Cali) to Substation San Marcos. More information needs to be acquired in order to identify the crossing point.

4. CURRENT STATUS

4.1 EPC PORT CONTRACT MOTA-ENGIL

- ME confirmed that the adjusted proposal including wharf reduction 209x76 m2, tanks capacity increasing for TK1 and TK2 from 100KBBL to 110 KBBL, additional tanks for TKx=50KBBL biodiesel and TKy=50KBBL ethanol considering size of d 26.7m x h 14.25m and Flare relocation; will be submitted to SeaOne on Oct 13th.

4.2 WARTSILA EPC POWER PLANT

4.2.1 TS-2.

- Interface Management. It is pending to receive the comments from ME for the interface excel file and to schedule the next meeting for discussion. The information received from Wartsila was submitted to ME Sep 11th. Considering the target date for contract signature, this will be closed during October 2020.
- On Sep 22nd, Wartsila answer with the requested information submitting the Updated layout, Dynamics load impact of the proposed engines and Site handover document for the reception requirements of the power platform. This information was submitted on Oct01 to ME for considerations and include it in their analysis.
- On Sep 22nd, Wartsila also requested the following information:
 - The causeway and power plant platform are separate structures. Considering the exercise required for the heavy transport of engines, confirm if it is possible to drive from the causeway directly to the platform at desired location.
 - Full platform structural report. It has been submitted to Wartsila
This information was submitted on Oct01 to ME looking for a response and include it in Wartsila analysis.

4.2.2 TS-1.

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

4.3 O&M POWER PLANT CONTRACT

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

4.4 CQS - EASEMENT NEGOTIATION

4.4.1 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 is scheduled to be executed during October and November, 2020.
- TL2. Pole 7 underground to SE Tabor. Easement permit for underground route to be obtained with INVIAS. This activity is scheduled to be executed during October and November, 2020.
- TL2 inside El Tabor Power Electrical Substation permit and easement is included in the interconnection agreement with CELSIA EPSA.

4.4.2 TS-1.

- On Oct02 a meeting was performed with CC-SKC in order to explain technical details related with the poles support location.
- Appraisal of the easement and towers/poles sites will be performed during October 2020.
- Negotiations will start once the appraisal of the easements has been completed.
- Negotiations scope of works should be include in a PO to CQS.

4.5 PERMITING

- 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.
- For the EPC Port Contract and the “giros ordinarios”, the 1% compensation plan establish to submit information of the CAPEX for the following: Civil Works, Acquisition and rental of machinery / equipment to be used. The following definition was made:

Figure 1. Puerto Solo CAPEX Breakdown

		US\$	
		CAPEX	200.000.000
ID	Concept	%	US\$
1	Acquisition of land and real estate	2,0%	4.000.000
2	Civil works	60,0%	120.000.000
3	Acquisition and rental of machinery and equipment used	3,0%	6.000.000
4	Constitution of easements	0,4%	800.000

* Power plant, transmission line, TPS and El Tabor power electrical substation not included

It is pending to acquire more information about:

- Plan to ensure that marine authorizations are going to be in place (small boats, register all vessels in order to operate, etc).
- Area of disposal. Determined to dump in a specific area; confirmed the locations authorized by environmental authority in Buenaventura and in Yumbo.

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

4.6.1 SE2 + LT2 + SE TABOR.

- Pole 7 - SE Tabor, underground crossing, outcrop and SE Tabor bay line engineering designs were completed on Sep 17th.

4.6.2 SE1 + LT1 + SE SAN MARCOS 230kV.

- Lidar drone survey from LTS-5 to LTS-8 is pending to be performed.
- SE San Marcos. Basic engineering designs are ongoing. Technical criteria for bay line engineering have not been submitted by ISA INTERCOLOMBIA.
- Soil studies for TL1.
 - TLS-1 to TLS-4. Total: 4 sites. Completed.

- TLS-5 to TLS-8. Total: 5 sites. CC-SKC will give the access to execute the activities from Oct 05th to 09th.
- TLS-9 to TLS-16. Total: 8 sites. The cane cultivation status compensation costs will be submitted to SeaOne in order to get the approval. Costs will also be confirmed with Owner.
- TLS-17 to TLS-21. Total: 5 sites. Completed.
- TLS-22 to TLS-24. Total: 3 sites. The Owner will give the access to execute the activities from Oct 05th to 09th.
- Pending to receive from GERS preliminary soil reports for the first 9 sites performed.
- During October 2020, GERS will be completing reference deliverables for RFP EPC 230kV.

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

- ME confirmed to submit proposal on Oct 22nd.
- IA Ingenieros Asociados will submit a proposal on Oct 15th to 30th.
- It is suggested to invite JE Jaimes and Electricas de Medellin to bid this RFP process.

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

- IA Ingenieros Asociados will submit a proposal on Oct 15th to 30th. Contractor questions were submitted during present week.
- JE Jaimes will submit a proposal on Oct 30th. Contractor questions were submitted during present week.
- Electricas de Medellin will submit a proposal on Oct 30th. Contractor questions were submitted during present week.
- It is pending to submit bidders the preliminary report of the soil studies for TLS-1 to TLS-4 and TLS-17 to TLS-21.
- It is pending to submit bidders to additional technical information for LT1 and SE SAN MARCOS.

4.9 MOTA-ENGIL (ME) TS1 SUPPORT INFRASTRUCTURE

- TS1 support infrastructure refers to 50kBLS sphere for LPG, 12kBLS water tank, trucks unloading bays, workshops, offices and other support infrastructure.
- It is expected to receive ME proposal from Oct 05nd to 09th.
- It is recommended to do a technical review of the ME technical proposal in order to identify missing gaps.

4.10 AQUA Y TERRA / AYT – ENVIRONMENTAL LICENSING

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

- The response from ICANH - Instituto Colombiano de Antropología e Historia was received last week and will be included in the EIA documents to be submitted to EPA.
- The socialization with the La Palera Community was performed on Oct 01st.
- The EIA for the not licensed section of TL2 will be submitted to the environmental authority on Oct 05th to 09th.

- The preliminary settlement expenses for the EIA to be issued by the Financial Department of EPA. This payment is not required for the EIA submission. It will be required during the reviewing activity.
- SeaOne should be ready for the payment once the settlement expenses is defined by EPA in order to do the payment.

4.10.2 TS-1

- AyT confirmed the EIA will be submitted to ANLA on Oct 15th.
- The response from ICANH - Instituto Colombiano de Antropologia e Historia was received during the past week.
- During this week some technical definitions were submitted to AyT in order to give the technical information of water balance and water treatment for the facility, required in the EIA studies.

4.11 ISA INTERCOLOMBIA INTERCONNECTION AGREEMENT

- It is pending to receive the technical exhibit of the interconnection agreement. The formal request to ISA by letter was done on Sep 11th. This information is required for the SE San Marcos bay line engineering designs.
- 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.

4.12 ISA INTERCOLOMBIA BOOM (BUILD, OWN, OPERATE AND MANTAIN) PROPOSAL

- This applies to the Termo Solo 1 13.8kV/230kV power electrical substation, transmission line 230kV and the bay line for the SE San Marcos.
- ISA INTERCOLOMBIA confirmed that in December 2020 could submit a proposal for the BOOM contract.
- On Oct01st, ISA INTERCOLOMBIA requested some information related to the project. This email to be answered by the next week.
- SUMED recommends to continue with the other bidders to obtain an EPC proposal and have more options for SeaOne decisions. The O&M contract could be included in a different package.

4.13 DECEMBER, 2020 AUDITS REQUIREMENTS FOR TS-1 AND TS-2

- Identify the milestones to be accomplished by the project for the next audit with XM.
- The interconnection agreement with ISA INTERCOLOMBIA should be signed by the end of October 2020.
- The basic engineering for TL1 and SE SAN MARCOS should be 75% at least by mid October 2020.

4.14 FREE TRADE ZONE CONTRACT

- For the Puerto Solo Port, Termo Puerto Solo TS-2 and Termo Solo 1 TS-1 Free Trade Zone Contracts it is required to perform some architectural drawings for the Power Plants and the offices / DIAN buildings. It is a requirement to contract signature process.
- On Sep 25th, ME confirmed they will not perform this deliverables.

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- The Free Trade Zone Contract is required for the nationalization of all the imported equipment before the construction stage for the Puerto Solo Port, Termo Puerto Solo TS-2 and Termo Solo 1 TS-1.
 - SeaOne confirmed the LNTP to ME is targeted to be submitted on Nov 01st, it is expected to include this activity in the LNTP

4.15 BACKWARD PLANNING. TS-1 AND 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, TLx and SEx.
- The planning should include the time line execution of the applicable procedure in CNO for the COD – Comercial Operation Date declaration established in the Acuerdo 1214 and the EACP – Estudio y Ajuste Coordinacion Protecciones regulation.