
WEEKLY REPORT No. 013
October 11th to 16th, 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.
- 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.
- CVC – CORPORACIÓN AUTÓNOMA REGIONAL DEL VALLE DEL CAUCA

3. POINTS OF ATTENTION

3.1 XM AUDITS

- The project should focus on the progress evidences to support the next XM audit on December 2020.
- TS2. LPG fuel logistics infrastructure. Evidence of the progress with the Port LPG infrastructure should be demonstrated or an alternative option need to be considered in order to comply with the fuel audit requirement.
- TS1. LPG fuel logistics infrastructure alternative option should be analyzed to comply with regulation requirements.

3.2 EPC PORT CONTRACT ME

- ME has stopped answering project requests considering the current contract discussions of the contract guarantees and the uncertain to continue with the project. This situation is known by SeaOne.
- The adjusted proposal including the wharf reduction and the tanks modification has not been received by ME.
- The ME EPICS Port Contract is targeted to be signed in October 2020 and the LNTP targeted to be issued on Nov 01st.

3.3 TS2 – LT2 – SE2 – SE TABOR – BUENAVENTURA

- Analyze strategy related with the “Giros Ordinarios” to keep the Power Plant and the Transmission Line 115kV in the current location.
- SeaOne should be ready to execute the payment for the EIA submission to EPA. This payment is required during the reviewing process.
- The EIA is targeted to be delivered to EPA on Oct 19th.
- RFP EPC 115kV proposals from ME and IA Ingenieros Asociados to be received by the end of October 2020.
- It is suggested to invite JE Jaimes and Electricas de Medellin to bid this RFP EPC 115kV process.
- The Wartsila EPC contract to be signed in October 2020 and LNTP targeted to be issued on Nov 01st

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

- EIA document is ongoing and it is going to be adjusted considering the realignment in LTS-6 to LTS-9. An additional support LTS-9A has been included.
- The adjusted EIA document will be submitted to CVC and ANLA on Oct 30th. Pending to confirm SeaOne payment before EIA submission.
- The RFP EPC 230kV proposal from IA Ingenieros Asociados was received on Oct 15th. The others bidder proposals to be received by the end of October and November 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 time items like power electrical transformer. This equipment could take at least 12 months just for fabrication and testing.
- 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.
- It is suggested to visit each land owner and confirm with them the current estimated location of the towers or poles, this is in order to know their comments and confirm real affectations (an entrance, private road, water source etc.) not identified in the google earth.
- It is pending to receive ME proposal for Termo Solo 1 support infrastructure.
- Considering the month delay on this proposal delivery date, it is suggested to create an RFP process inviting some suggested contractors:
 - Graña y Montero.
 - Consalfa (SalfaCorp – Conconcreto)
 - Sigdo Koppers – HL Ingenieros.
 - Teixeira Duarte

3.5 FREE TRADE ZONE AREA

- For the Puerto Solo Port, Termo Puerto Solo TS-2 and Termo Solo 1 TS-1 Free Trade Zone Contracts (FTZC) 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.
- The LNTP to be issued to ME should include this works. On Oct 8th, this was included by SUMED in the Schedule 15A LNTP Works.

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; was not received by SeaOne during present week.

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.

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- On Sep 22nd, Wartsila submitted 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.
No answer was received during current week.
 - 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 WartsilaThis information was submitted on Oct01 to ME.
No answer was received during current week.

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 Oct 16th it was submitted to CC-SKC a formal email request with:
 - The new alignment LTS-6 to LTS-9A and confirming it is the last possible change in the alignment for this sector.
 - An authorization to perform the soil studies.
 - Informing the Lidar Drone flight.
- Land owner of LTS-12 to LTS-14 requested to move the support location 30-40m to the south in order to not affecting an entrance and the irrigation district intake. This does not affect the current alignment and the type of tower (suspension or retention).

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- Appraisal of the easement and towers/poles sites need to be mobilized to the site support locations.
 - 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.
- It is pending to confirm with Contractor and SeaOne the permits responsibility for each part.

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

4.6.1 SE2 + LT2 + SE TABOR.

- Engineering designs completed by GERS.

4.6.2 SE1 + LT1 + SE SAN MARCOS 230kV.

- Lidar Drone survey from LTS-5 to LTS-9 is pending to be performed. This activity scheduled on Oct 24th to 25th. Pending CC-SKC comments.
- SE San Marcos. Basic engineering designs are ongoing. Technical criteria for bay line engineering have not been submitted by ISA INTERCOLOMBIA. Information requested to Operator on Oct 16th.
- Soil studies for TL1.
 - TLS-1 to TLS-4. Total: 4 sites. Completed.
 - TLS-5 to TLS-9. Total: 5 sites. Pending authorization by CC-SKC.
 - TLS-9A. The land owner (Victoria Family) does not agree with the TL1 route and the support location.
 - TLS-10 to TLS-16. Total: 7 sites. Considering the sugar cane cultivation status and land owner approach, it is possible to execute at least 5 support drillings.
 - TLS-17 to TLS-21. Total: 5 sites. Completed.
 - TLS-22 to TLS-24. Total: 3 sites. Completed.
 - GERS will submit soil report for the first 12 completed locations on Oct 22nd.
- During October 2020, GERS will be completing the 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 proposal by the end of October 2020.

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

- IA Ingenieros Asociados submitted proposal on Oct 15th.
- JE Jaimes will submit a proposal on Oct 30th. Bidder questions were submitted to bidder on Oct 16th.

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- Electricas de Medellin requested a 50 days term to submit their proposal.
 - It is pending to submit to the bidders the preliminary report of the soil studies for the 12 completed supports.
 - It is pending to submit to the bidders 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.
- The ME proposal has not been received.
- 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 EIA for the not licensed section of TL2 will be submitted to EPA, the local environmental authority, on Oct 19th.
- The preliminary settlement expenses is pending 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 adjusted EIA document will be submitted on Oct 30th.
- SeaOne should be ready for the payment once the settlement expenses is defined by ANLA. This is a requirement for EIA submission to ANLA.

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.
- On Oct 12th, the UPME submitted response about the Interconnection Study considering a conditional approval attached to:
 - Short circuit level increase in TermoYumbo 1 / 115kV / 40kA.
 - Closing temporary disconnecter in SE Yumbo 220kV.
 - Commercial operation entrance of UPME 04-2014 – Refuerzo Suroccidental Project.
- 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.
- 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.
- ISA INTERCOLOMBIA confirmed that in December 2020 could submit a proposal for the BOOM contract.
- On Oct 16th a meeting was held with ISA INTERCOLOMBIA and as a result, the following was agreed:
 - The new TL1 alignment was submitted. Version Oct 15th.
 - In SE TS1 the battery limit will be the 230kV without the power electrical transformer.
 - SeaOne will be responsible for the environmental license process.
 - Pending to confirm if SeaOne will authorize to share the easements reference price document.
 - Pending to confirm if SeaOne will or won't rent the power electrical substation area in SE TS1.

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 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.
- 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 works.

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.