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# **QUARTERLY PROGRESS REPORT CLSG PROJECT IMPLEMENTATION**

**January – March 2023**

**Submitted to: CLSG FINANCIERS &  
GOVERNANCE BODIES**

**April 2023**

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## **FOREWORD BY THE GENERAL MANAGER**

The current report on the implementation of the CLSG project covers the period of the first quarter of 2023 from January 01 to March 31.

The report is prepared to comply with institutional and donors' requirements as part of the company's reporting obligations. It provides up to date information on the status of the project implementation including engineering, procurement, financial management, as well as the ESMP and RAP activities.

Key activities undertaken by TRANSCO CLSG during this period are captured for the attention of the key stakeholders: donors, the board of directors, and the authorities of the CLSG countries. In particular, the activities include implementation of ESMP and RAP, manufacturing, transportation, delivery of materials and equipment, supervision of construction, commissioning, Operation and Maintenance of the completed and energized facilities and EPC contracts management. The report also presents the key project milestones achieved during the period, main challenges, risk management and outcomes of technical meetings.

## I PROJECT INFORMATION SHEET

<b>Project Title:</b>	CLSG Interconnection Transmission Line Project
<b>Donors / Financiers</b>	World Bank, African Development Bank, European Investment Bank, and KfW ESMP & RAP Financiers (Côte d’Ivoire, Liberia, Sierra Leone, Guinea)
<b>Reporting Dates:</b>	January 01 – March 31, 2023
<b>Project Duration:</b>	8 years
<b>Project Cost:</b>	<b>US\$530.63 million</b>
<b>Project Start Date:</b>	February 13, 2015
<b>Project End Date:</b>	March 2023 (Commissioning activities extended to September 2023 due to delay of the LINSAN SS under OMVG)
<b>Executing Agency: (Name, title, office address, phone, fax, and e-mail)</b>	TRANSCO CLSG, Cocody 2 Plateaux, 7ème Tranche, Abidjan. 28 BP 633 Abidjan 28, Republic of Cote d’Ivoire Phone Number +225 44 000 909 email- <a href="mailto:ebailly@transcoclsg.org">ebailly@transcoclsg.org</a>
<b>Report Preparation Date:</b>	April 2023

## II PROJECT DESCRIPTION

The CLSG Interconnection Project involves four countries, namely: Côte d’Ivoire, Liberia, Sierra Leone, and Guinea. A 225 kV interconnection line with the below detailed specifications, connects the networks of those countries with the aim of enabling exchanges of reliable and affordable electricity.

## III TECHNICAL SCOPE OF THE PROJECT

The technical components of the CLSG interconnection line are as follows:

- Overhead 225 kV Transmission Line of 225 kV with a length of 1,303 km;
- Lattice Steel Towers designed for 2 Circuits/ Single Circuit equipped;
- One of the shield wires of the line will include an OPGW (Optical Wire);
- A Shield Wire System with 3 cables (3 SWS) will be installed and energized with a medium voltage (33 kV) for Rural Electrification along the line.

- Eleven (11) new 225kV substations including five (5) in Liberia<sup>1</sup>, five (5) in Sierra Leone and one (1) in Guinea;
- Extension of an existing substation in Côte d'Ivoire;
- Static Systems of reactive power Compensation (SVC) in three (3) substations;
- SCADA system in N'Zerekore, Guinea, with a backup in Man Substation, and an extension of Côte d'Ivoire SCADA System for supervising the CLSG Transmission Line;
- Study and Implementation of a Defense Plan initially referred to as Frequency Regulation system.

Figure 1: CLSG Line route



<sup>1</sup> A 5<sup>th</sup> substation is being built at Botota in Liberia between Yekepa SS and Buchanan SS through additional financing provided by KfW.

## IV ECONOMIC, SOCIAL AND ENVIRONMENTAL IMPACTS OF THE PROJECT

The impact of the project on agricultural activities, lands, populations, and the environment within the corridor are shown in Table I below:

Table I: Socio-economic impact of the CLSG Project

Countries	Environmental and Social Benefits				
	Affected Lands (ha)	Project Affected Persons (PAPs)	Houses to be relocated	Reforestation (HA)	Villages to be electrified (SWS /Conv)
Côte d'Ivoire	468	1,554	51	31	40
Liberia	2136	2,080	75	134	136
Sierra Leone	2,168	2,490	37	194	28
Guinea	484	620	17	86	32
<b>TOTAL</b>	<b>5,256</b>	<b>6,744</b>	<b>180</b>	<b>445</b>	<b>236</b>

## V PROJECT COSTS AND FINANCING

The breakdown of project revised financing per infrastructure and per donor is shown in Table 2 below (figures in miUS\$):

	UA	XDR	Euros	Rate	US Equivalent	Additional Financing	Total Available Financing	Original financing 2012
AfDB	86.70	-	-	1.41	122.43	-	122.43	134.09
WB		93.30		1.39	130.02	104.70	234.72	144.50
EIB			75.00	1.10	82.76	-	82.76	105.18
KfW			41.00	1.17	47.95	21.06	69.01	40.77
<b>SUBTOTAL</b>	<b>86.70</b>	<b>93.30</b>	<b>116.00</b>		<b>383.16</b>	<b>125.75</b>	<b>508.92</b>	<b>423.54</b>
CLSG States					21.71	-	21.71	20.84
<b>TOTAL</b>	<b>86.70</b>	<b>93.30</b>	<b>116.00</b>		<b>404.87</b>	<b>125.63</b>	<b>530.63</b>	<b>445.38</b>

Table 2: Project Cost

## VI KEY DATES FOR THE PROJECT

The table below presents some key dates of the project implementation from the initiation through the execution stage:

N.	Key Activities	Dates
1	Signature of the Treaty	05/05/2012
2	Signature of International Project Agreement	08/11/2013
3	Effectiveness of all donors financing	13/02/2015
4	Launching of Pre-Qualification for EPC Contractors	22/05/2015
5	Launch of tendering process (EPC Contracts)	21/12/2015
6	Owner's Engineer Phase 2 Contract Signature for supervision of EPCs	17/11/2016
7	Effective start of Owner's Engineer - phase 2	01/12/2016
8	Signature of the 1 <sup>st</sup> EPC Contract	13/01/2017
9	Fulfillment of Disbursement conditions (All PPA/TSA signed)	25/01/2017
10	Groundbreaking of CLSG project	04/06/2017
11	Effectiveness date of the 1 <sup>st</sup> EPC Contract	17/08/2017
12	Launching of payment of compensations	01/02/2018
13	Erection of the 1st CLSG Tower	01/10/2018
14	Launching of Conductors stringing	18/03/2019
15	Arrival of the 1 <sup>st</sup> Power Transformer on site	21/05/2019
16	Completion of Kenema Substation works	30/12/2019
17	Completion of towers' erection on the section Bumbuna – Yiben	20/01/2020
18	Completion of conductors stringing on the section Bumbuna – Yiben	05/03/2020
19	Completion of Bikongor Substation works	24/03/2020
20	Completion of towers' erection on the section Bikongor – Bumbuna	27/03/2020
21	Completion of towers' erection on the section Yekepa-Buchanan	15/04/2020
22	Completion of Bumbuna Substation works	06/07/2020
23	Completion of the TL works from Yekepa to Buchanan	31/07/2020
24	Completion of the TL works from Bikongor to Bumbuna and to Yiben	31/07/2020
25	Signature of the Temporary O&M Contract with CIE	24/09/2020
26	Completion of stringing of the line from Man to Yekepa	15/01/2021
27	Energization of Man Substation	27/02/2021
28	Energization of Yekepa Substation	21/04/2021
29	Energization of Buchanan SS	03/05/2021
30	Energization of Monrovia SS	23/05/2021
31	Energization of Mano SS	26/07/2021
32	Synchronization with Mt Coffee (1 <sup>st</sup> Circuit)	28/07/2021
33	Synchronization with Mt Coffee (2 <sup>nd</sup> Circuit)	11/08/2021
34	Energization of Kenema SS	07/09/2021
35	Energization of Nzerekore in 33kV from Yekepa SS (test)	19/09/2021
36	Energization of Bikongor SS ( <i>disconnected due to overvoltage challenges</i> )	22/09/2021
37	Signature of the PPA between CI-ENERGIES and EDG (Guinea)	30/11/2021
38	Signature of the PPA between CI-ENERGIES and EDSA (Sierra Leone)	30/11/2021

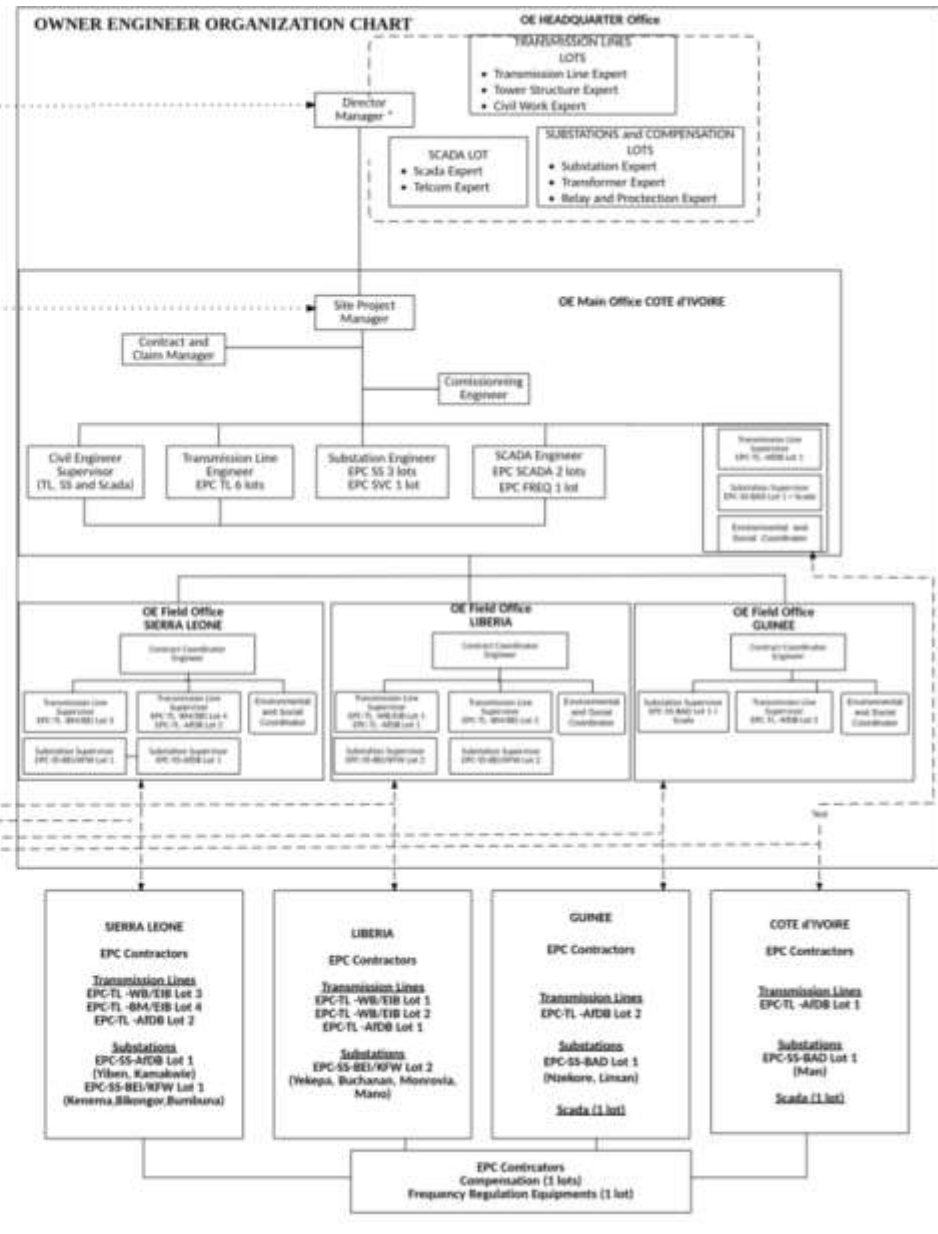
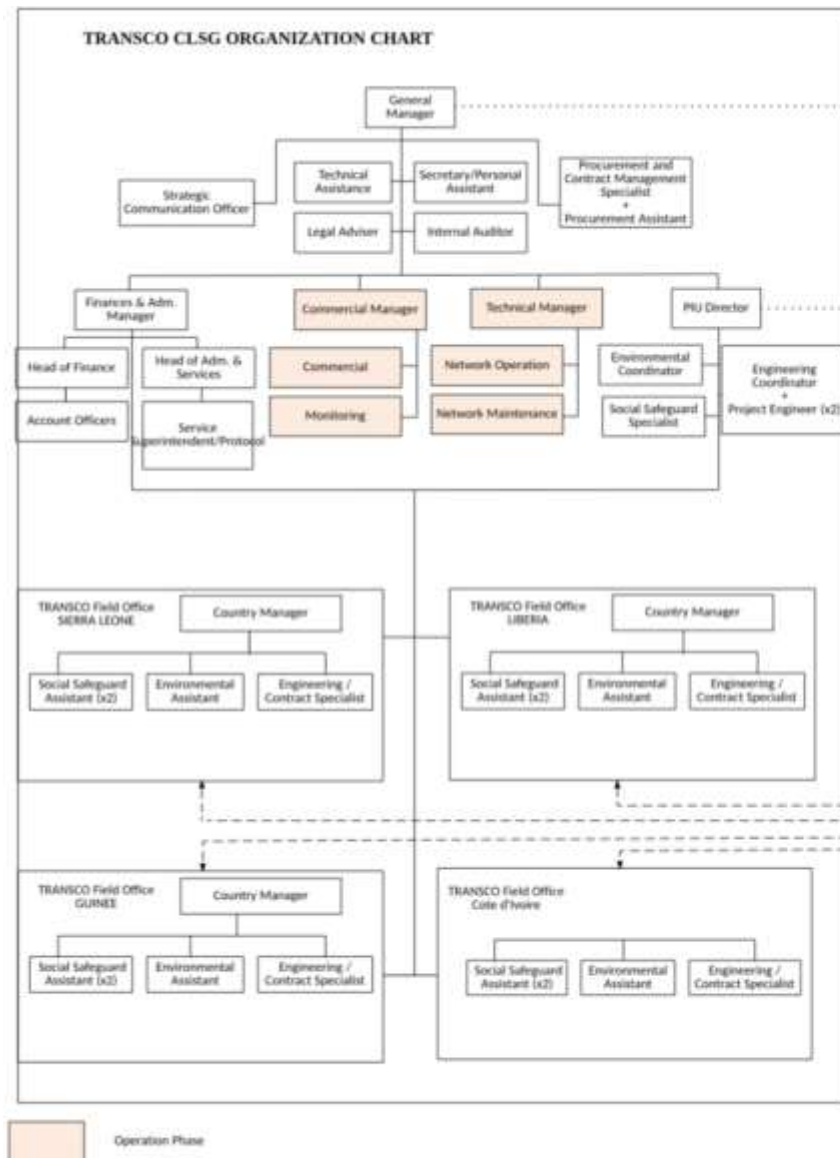
39	Signature of the TSA between TRANSCO CLSG and EDSA (Sierra Leone)	17/12/2021
40	Signature of the TSA between TRANSCO CLSG and EDG (Guinea)	21/12/2021
41	Launching of commercial operation with Sierra Leone	23/12/2021
42	Launching of commercial operation with Guinea	02/04/2022
43	Energization of Bumbuna SS	01/07/2022
44	Energization of Bikongor SS	05/07/2022
45	Synchronization SL and CLSG Network at Kenema SS	07/07/2022
46	Energization of Bikongor SS (Through LILO connection with the 161 kV TL Bumbuna – Freetown)	07/07/2022
47	Energization of one 33kV feeder supplying KOIDU Town	03/10/2022
48	Signature of the PPA between CI-ENERGIES and LEC (Liberia)	21/10/2022
49	Signature of the TSA between TRANSCO CLSG and LEC (Liberia)	26/10/2022
50	Launching of commercial operation with Liberia	01/12/2022
51	Completion of the TL works from Yiben to Kamakwie and Linsan	20/12/2022
52	Energization of Nzerekore SS	25/02/2023
53	Energization of Botota SS	19/04/2023

Table 3: Key historical dates for the CLSG Project

## **VII INSTITUTIONAL ARRANGEMENTS AND ORGANIZATIONAL CHART**

TRANSCO CLSG current organizational framework, including Owner’s Engineer team is captured in the chart below:





\* During Defect Liability Period, Owner Engineer Support will be provided from Headquarter Offices

## **VIII EXECUTIVE SUMMARY OF PROJECT IMPLEMENTATION**

The CLSG project has entered the final implementation phase with the launching of commercial operation of some facilities. Significant progress has been made in the construction works, with an overall works progress rate of 99% at the end of March 2023. The portion of the network from Man SS in Côte d'Ivoire to Bumbuna SS in Sierra Leone is under commercial operation since the last week of December 2021. The commercial operation with Guinea has started in April 2022 and with Liberia in December 2022. A key targeted milestone to reach in the next quarter is the full completion and subsequent commissioning of the substation of Nzerekore in Guinea and the commissioning of the Botota SS in Liberia.

TRANSCO CLSG and its technical partners including TRACTEBEL, EPC Contractors, and the CLSG utilities collaborated closely and put all efforts to overcome issues and challenges that occurred during the quarter.

Following the extension of the contract of the Temporary O&M Operator (CIE) to December 2022, on the request of TRANSCO CLSG, the Board of Director recommended and obtained from the Steering Committee the clearance for the negotiation and signature of the extension of the said contract up to December 2023. That considers the remaining facilities of the CLSG Network (TL Yiben-Kamakwie-Linsan, Yiben SS and Kamakwie SS).

The operational commercial framework is in place, consisting in PPAs between CI-ENERGIES and each of the three other utilities (EDSA, EDG, LEC) and TSAs between TRANSCO CLSG and the three.

As part of the implementation of the RAP component of the project, all 1 303 km of line corridor and all Substation sites have been transferred to the contractors, including the additional 1,9km in Guinea due to the change of location of the Linsan substation by the OMVG project.

ESMP activities continue to focus on monitoring the EPC Contractors' construction ESMPs, the Commissioning, the Operation, and the Maintenance activities to comply with CLSG Country Regulations and Donor Standards including the safeguard of the environment and natural habitats, health, hygiene, and safety during the construction phase.

Looking ahead in the second quarter of 2023, TRANSCO CLSG intends to prepare the commissioning of the section of the line from Bumbuna to Linsan coordinating with OMVG for the readiness of the Linsan SS. There is also a need for coordination of the connection of national grids where-ever possible, the signature of the Common Operating Protocol, the signature of an O&M contract to cover the period beyond the current contract of CIE (Temporary O&M) and the operation and maintenance of all the CLSG facilities (including the one to be commissioned).

TRACTEBEL Contract was extended under KfW financing up to December 2021 and up to September 2022, (including the defect liability period) under WB financing. Another contract extension up to December 2023 is underway, as result of the extension of the EPC contracts schedule. This contract will be funded under TRANSCO CLSG resources.

In what follows, the report summarizes achievements recorded during the first quarter of year 2023 for the attention of the key stakeholders: the donors, the CLSG project governance bodies, and the authorities of the CLSG countries.

## **IX PROJECT PACKAGING AND PROCUREMENT STATUS**

### **IX.1.1 PROJECT PACKAGING**

The project packaging as adopted in the procurement strategy remains as follows:

<b>N°</b>	<b>LOT</b>	<b>SCOPE</b>	<b>FUNDING AGENCY</b>
1	TL AfDB 01 / Lot1	Transmission Lines: MAN – YEKEPA - N'ZEREKORE	AfDB
2	TL AfDB 01 / Lot2	Transmission Lines: YIBEN - KAMAKWE – LINSAN	
3	TL WB-EIB 04 / Lot1	Transmission Lines: YEKEPA – BUCHANAN	WB
4	TL WB-EIB 04 / Lot2	Transmission Lines: BUCHANAN/ MONROVIA/ MANO	
5	TL WB-EIB 04 / Lot3	Transmission Lines: MANO/ KENEMA/ BIKONGOR	EIB / WB
6	TL WB-EIB 04 / Lot4	Transmission Lines: BIKONGOR/ BUMBUNA/ YIBEN	
7	SS KfW – EIB 05 / Lot1	Substations at KENEMA, BIKONGOR and BUMBUNA	EIB
8	SS KfW – EIB 05 / Lot2	Substations at YEKEPA, BUCHANAN, MONROVIA, and MANO	KfW
9	SS AfDB 02	Substations at MAN, NZEREKORE, YIBEN and KAMAKWIE	AfDB / WB
10	SVC AfDB 03	SVC of MAN	AfDB
11	SCADA AfDB 08	SCADA CLSG in LINSAN and Back up in MAN	
12	SCADA Abidjan CI-ENERGIES	Rehabilitation of SCADA of CI-ENERGIES	
13	Frequency Regulation	Studies and installation for frequency regulation	AfDB / WB

The Frequency Regulation component (item 13 above) has been adjusted to address dynamic stability and defense plan challenges for a safer operation of the CLSG Network. Those studies were included in the Owner's Engineer contract.

The Rehabilitation of the SCADA of Abidjan component (item 12 above) has been included in the scope of services of the Temporary O&M Operator contract.

## IX.1.2 STATUS OF SIGNED CONTRACTS

Eleven (11) EPC contracts were signed as presented below:

N°	LOTS	CONTRACTORS	SIGNATURE DATE	EFFECTIVE DATE
1	TL AfDB 01 / Lot1 Transmission Lines AfDB: MAN/ YEKEPA/ N'ZEREKORE	BOUYGUES ENERGIES	29/03/2017	24/01/18
2	TL AfDB 01 / Lot2 Transmission Lines AfDB: YIBEN/ KAMAKWE/ LINSAN	ANGELIQUE & TATA PL JV	08/06/2017	15/01/18
3	TL WB-EIB 04 / Lot1: Transmission Lines WB: YEKEPA/ BUCHANAN	ELECNOR & EIFFAGE JV	13/01/2017	08/09/2017
4	TL WB-EIB 04 / Lot2 Transmission Lines WB: BUCHANAN/ MONROVIA/ MANO	NATIONAL CONTRACTING COMPANY (NCC)	16/01/2017	17/08/2017
5	TL WB-EIB 04 / Lot3 Transmission Lines EIB: MANO/ KENEMA/ BIKONGOR; (EIB & WB)	KALPATARU POWER TRANSMISSION LTD	06/03/2018	07/07/2018
6	TL WB-EIB 04 / Lot4 Transmission Lines EIB: BIKONGOR/ BUMBUNA/ YIBEN (EIB & WB)	KALPATARU POWER TRANSMISSION LTD	19/01/2017	08/09/2017
7	SS KfW-EIB 05 / Lot1 Substations / BEI: KENEMA/ BIKONGOR/ BUMBUNA	SIEYUAN & NEIE JV	20/03/2017	05/09/2017
8	SS KfW-EIB 05 / Lot2 Substations / KfW: YEKEPA/ BUCHANAN / MONROVIA & MANO	SIEYUAN & NEIE JV	15/09/2017	18/12/2017
9	SVC-AfDB-03	NR ELECTRIC	19/12/2017	01/03/18
10	SCADA AfDB 08	NR ELECTRIC	16/03/18	31/07/18
11	SS AfDB 02: MAN/NZEREKORE/YIBEN/KAMAKWIE	KEC	04/07/18	15/09/18

### X PHASE 2: CONSTRUCTION PHASE

The Construction activities have reached the final stage. Most of the facilities have been completed, commissioned and are under operation.

The installation works are under finalization in the substations of Yiben and Kamakwie.

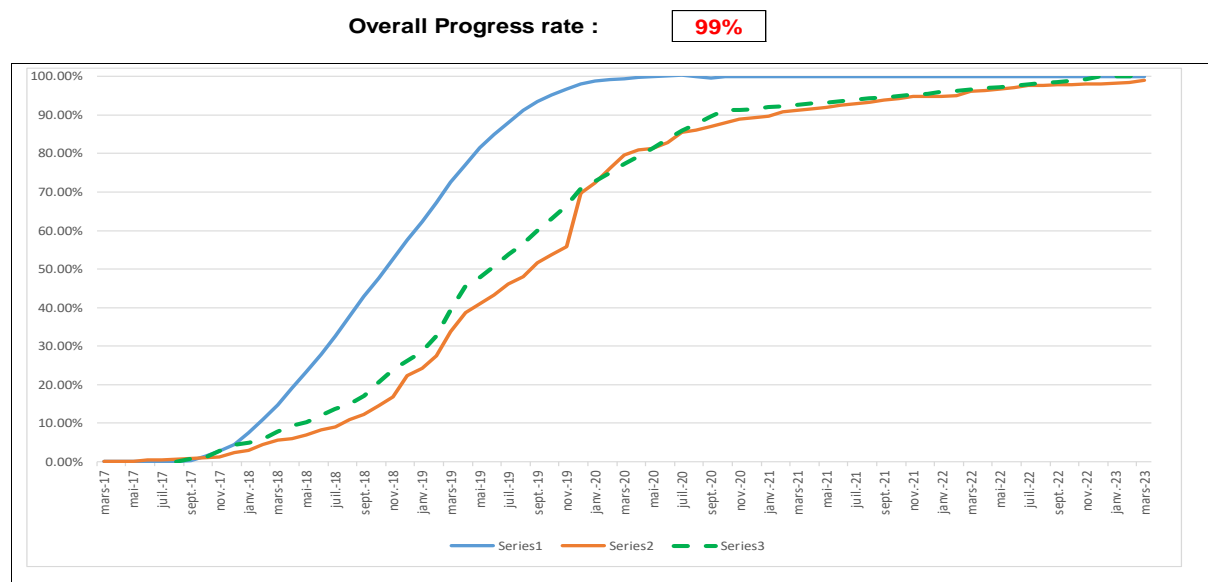
The entire energized network is being operated by CIE, the Temporary O&M Operator. Commercial framework has also been finalized; PPAs between CI-ENERGIES and the National utilities and TSAs between TRANSCO CLSG and the National utilities are in force.

The commissioning of Yiben and Kamakwie SS will be launched by next quarter (May – June 2023). Those two commissioning may depend on the completion of the Linsan SS under OMVG Project. The risk of delay of the Linsan SS is high. TRANSCO CLSG and TRACTEBEL has started coordination with OMVG and AECOM (The Owner’s Engineer of OMVG Project) to properly manage the interface with the CLSG project and provide support when needed.

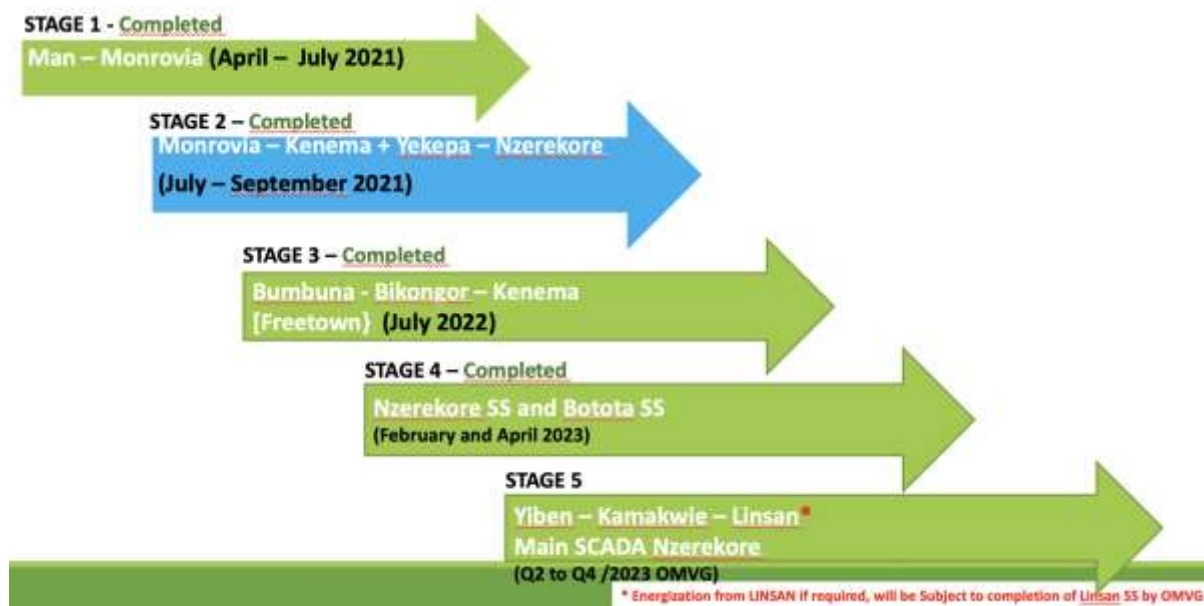
The below map provides a graphical view of the progress:



As stated earlier, the progress rate for the construction phase is estimated at **99 %**.



Considering the current estimation of the impact of the COVID19 on the CLSG Project schedule, the completion and the commissioning of the infrastructures could be divided into the four (4) following stages:



## IMPLEMENTATION OF THE BOTOTA SUBSTATION

As part of the implementation of CLSG Project, the contract N°008/TRANSCO CLSG/W/KfW/SS/LOT2/09/2017 signed with SIEYUAN-NEIE JV (SIEYUAN) for the construction of four 225 kV Substations (Yekepa; Buchanan; Monrovia and Mano) under the KfW financing has been extended to the construction of the Botota Substation through an addendum effective since June 2019. The contract duration is 18 months for 18 million Euros.

All ESMP and RAP requirements having been fulfilled, the commissioning of the Substation of Botota is scheduled for the next quarter on April 19, 2023.

As per the outcomes of the Task Force recommendations, for Liberia to take profit of the Botota Substation, there is an urgent need to construct the two sub-transmission lines 66 kV: Botota – Gbanrga and Botota – Tapita as well as the distribution Networks of Botota, Gbanrga and Tapita. The Task force has realized the feasibility studies for this transmission and distribution projects shared with LEC and the Ministry of Energy of Liberia. As at date, no financing has been yet allocated to these projects.

## ENERGIZATION OF THE CLSG NETWORK

As per the agreed Commissioning Strategy, the energization of the completed facilities has been launched in coordination with all stakeholders including CI-ENERGIES, CIE, TRACTEBEL, EPC Contractors, LEC, EDSA, EDG, EGTC and SALINI (operator of the existing Bumbuna HPP and related 161kV line to Freetown).

The section from Man (1<sup>st</sup> Substation of the CLSG Network, in Côte d'Ivoire) to Bumbuna (in Sierra Leone) with connection to the national 161kV Line to Freetown and the section from Yekepa (Liberia) to Nzerekore (Guinea) temporarily energized in 33kV, have been successfully commissioned and are under operation. Series of coordination meetings and site activities were organized.

CIE teams have been effectively mobilized on the sections Man – Bumbuna and have started the operation of the network.

The forms below present the status of the implementation for each EPC contract and the performance of the Owner's Engineer contract:

X.I.I TL AFDB01 / LOT I- BOUYGUES ENERGIES ET SERVICES

<b>Donor:</b>	<b>AfDB</b>	
<b>Contractor:</b>	<b>BOUYGUES E&amp;S</b>	
<b>Contract Number:</b>	<b>005/TRANSCOCLSG/T/LT/BAD/Lot 1/03/2017</b>	
<b>Contract Amount USD:</b>	<b>16 709 165</b>	
<b>EUR:</b>	<b>3 204 585</b>	
<b>FCFA:</b>	<b>3 805 180 571</b>	
<b>LRD:</b>	<b>375 987 342</b>	
<b>GNF:</b>	<b>5 971 698 818</b>	
<b>Equivalent in USD:</b>	<b>31 094 688</b>	<b>Financing closed on December 2022</b>
<b>Contract Addendum N.1 Amount EURO:</b>	<b>2 500 000</b>	<b>Acceleration Plan</b>
<b>Contract Addendum N.2 Amount USD:</b>	<b>696 500</b>	<b>Repair of bridges.</b>
<b>Contract Addendum N.3 Amount XOF:</b>	<b>13 600 000</b>	<b>Relocation of 2 MV lines</b>
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>3 109 469</b>	
<b>Disbursement percentage:</b>	<b>100%</b>	<b>Sum of invoices submitted excluding price revision</b>
<b>Contract signature:</b>	<b>29/03/2017</b>	
<b>Effective date:</b>	<b>24/01/18</b>	
<b>Duration (Month):</b>	<b>24</b>	
<b>Commissioning date:</b>	<b>April 20, 2021 (Man – Yekepa) / September 2021 (Yekepa – Nzerekore) /</b>	<b>Line in Operation</b>



<b>Country:</b>	<b>Côte d'Ivoire – Liberia - Guinea</b>	
<b>Activities to date (Progress rate)</b>		
<b>Global progress (100%), fully completed.</b>		
<b>ESMP &amp; RAP</b>		
<ul style="list-style-type: none"> <li>Fully completed.</li> </ul>		
<b>Challenges &amp; Issues</b>		
<ul style="list-style-type: none"> <li>No pending challenge during the concerned first quarter period.</li> </ul>		
<b>Actions</b>		
<ul style="list-style-type: none"> <li>TRANSCO CLSG is proceeding with the clearance of payment of last invoices of BYES. As at date, there is still about 915,751.65 USD pending payment to be addressed by AfDB. All the invoices were submitted to the bank prior the deadline for the financing closure.</li> </ul>		

X.1.2 TL AFDB01 / LOT 2 - ANGELIQUE INTERNATIONAL LIMITED / TATA JV

<b>Donor:</b>	<b>AfDB</b>	
<b>Contractor:</b>	<b>ANGELIQUE INTERNATIONAL LIMITED / TATA JV</b>	
<b>Contract Number:</b>	<b>006/TRANSCOCLSG/T/LT/BAD/Lot2/06/2017</b>	
<b>Contract Amount USD:</b>	<b>37 312 481</b>	
<b>Contract Addendum N.I Amount USD:</b>	<b>6 650 062.24</b>	
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>3 731 248</b>	
<b>Disbursement percentage:</b>	<b>95%</b>	<b>Sum of invoices submitted excluding price revision</b>
<b>Contract signature:</b>	<b>08/06/2017</b>	
<b>Effective date:</b>	<b>15/01/18</b>	
<b>Duration (Month):</b>	<b>24</b>	
<b>Commissioning date:</b>	<b>June 2023</b>	<b>Completion is scheduled for February 2023 (delay due to stolen tower parts) and energization is subject to the</b>

		completion of the LINSAN SS by OMVG (June 2023 hopefully)
<b>Country:</b>	Sierra Leone – Guinea	
<b>Activities to date (Progress rate)</b>		
Global progress (100%), fully completed.		
<b>ESMP &amp; RAP</b>		
<ul style="list-style-type: none"> <li>Construction ESMP Implementation ongoing.</li> </ul>		
<b>Challenges &amp; Issues</b>		
<ul style="list-style-type: none"> <li>Financing gap issue: Cover the cost of the contractual price revision of about USD 4,20million; variation considering as-built quantities (USD 0.47 million); and foundation quantities increase (USD 0,34 million).</li> </ul>		
<b>Actions</b>		
<ul style="list-style-type: none"> <li>On Dec. 22, 2022, the AfDB decided to prioritize the contractual price revision among the various variation orders submitted to them for approval, and that for those PR there is no need to amend the contracts. Accordingly, the invoices will be prepared and submitted to the AfDB</li> <li>With the Board approval, TRANSCO CLSG has signed a new contract to consider the variation order for the As-Built quantities.</li> </ul>		

### X.1.3 TL WB/EIB04 / LOT1 - EIFFAGE / ELECNOR JV

<b>Donor:</b>	<b>WB</b>	
<b>Contractor</b>	<b>EIFFAGE / ELECNOR JV</b>	
<b>Contract Number:</b>	<b>001/TRANSCOCLSG/W/T L/Lot1/01/2017</b>	
<b>Contract Amount USD:</b>	<b>38 748 524</b>	
<b>EUR:</b>	<b>4 543 364</b>	
<b>LRD:</b>	<b>931 053 847</b>	
<b>Equivalent in USD:</b>	<b>52 384 817.56</b>	
<b>Contract Addendum N.1 Amount USD:</b>	<b>2 963 217</b>	Request for equitable adjustment to the Contract price
<b>Contract Addendum N.2 Amount (equiv. USD)</b>	<b>662 449</b>	Change in towers quantities
<b>Contract Addendum N.3 Amount (equiv. USD)</b>	<b>294 853</b>	Completion date update Impact of line deviation to consider Botota SS + Impact of upgrade to the 33 kV underground cable for rural electrification

<b>Contract Addendum N.4 Amount (equiv. USD)</b>	<b>5 002 000</b>	Access Tracks quantity variation (From Tower 1 to 377) and others additional costs claimed
<b>Contract Addendum N.5 Amount (equiv. USD)</b>	<b>2 008 458</b>	Change in foundations quantity
<b>Contract Addendum N.6 Amount (equiv. USD)</b>	<b>82 611,1</b>	VO for the fences for the tapping points protection
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>5 238 482</b>	
<b>Disbursement percentage:</b>	<b>100%</b>	
<b>Contract signature:</b>	<b>13/01/2017</b>	
<b>Effective date:</b>	<b>08/09/2017</b>	
<b>Duration (Month):</b>	<b>24</b>	
<b>Commissioning date:</b>	<b>May 03, 2021</b>	<b>The line is in operation.</b>
<b>Country:</b>	<b>Liberia</b>	
<b>Activities to date (Progress rate)</b>		
<b>Global progress (100%), fully completed.</b>		
<b>ESMP &amp; RAP</b>		
Fully completed.		
<b>Challenges &amp; Issues</b>		
<ul style="list-style-type: none"> <li>ELECNOR EIFFAGE JV has put a claim of 3.45M\$ which is its estimation of the impact of covid19 on the implementation of its contract and another one for the delay encountered in the commissioning of the line. The dispute Board (DB) finally rendered a decision ordering TRANSCO CLSG to pay the equivalent of about 2.3MUSD with rolling interests.</li> </ul>		
<b>Actions</b>		
<ul style="list-style-type: none"> <li>TRANSCO CLSG issued on Dec. 8, 2022, a Dissatisfaction Notice to the JV as per the provision of clause GC.46.3 of the signed contract. Finally, the parties agreed to negotiate and on April 12, 2023, an amicable settlement was reached. As result, the rolling interests were dismissed and TRANSCO CLSG shall pay the principal.</li> </ul>		

X.I.4 TL WB/EIB04 / LOT2 – NCC

<b>Donor:</b>	<b>WB</b>	
<b>Contractor:</b>	<b>NCC</b>	
<b>Contract Number:</b>	<b>002/TRANSCOCLSG/W/TL/Lot2/01/2017</b>	
<b>Contract Amount USD:</b>	<b>51 288 405</b>	
<b>LRD:</b>	<b>209 703 720</b>	
<b>Equivalent in USD:</b>	<b>52 881 898</b>	
<b>Contract addendum N1 in USD</b>	<b>1 230 237</b>	Relocation of two (2) double circuit 132 kV close to Mt Coffee SS
<b>Contract addendum N2</b>	<b>5.324.576,00 USD / 11.520.767,00 LRD</b>	Change in Foundations type and quantities
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>5 288 189</b>	
<b>Disbursement percentage:</b>	<b>99%</b>	<b>Sum of invoices submitted</b>
<b>Contract signature:</b>	<b>16/01/2017</b>	
<b>Effective date:</b>	<b>17/08/2017</b>	
<b>Duration (Month):</b>	<b>24</b>	
<b>Commissioning date:</b>	<b>May 23, 2021 (Buchanan-Monrovia) July 26, 2021 (Monrovia – Mano)</b>	<b>The line is in operation</b>
<b>Country:</b>	<b>Liberia</b>	
<b>Activities to date (Progress rate)</b>		
<b>Global progress (100%), fully completed.</b>		
<b>ESMP &amp; RAP</b>		
<ul style="list-style-type: none"> <li>• Construction ESMP implementation completed;</li> <li>• ESMP implementation completion report was transmitted on March 01, 2023.</li> </ul>		
<b>Challenges &amp; Issues</b>		
<ul style="list-style-type: none"> <li>• Some towers foundations have not yet been approved by TRACTEBEL</li> </ul>		
<b>Actions</b>		
<ul style="list-style-type: none"> <li>• TRANSCO CLSG is working with TRACTEBEL and NCC to settle the issue.</li> </ul>		

X.1.5 TL WB/EIB04 / LOT3 – KALPATARU POWER  
TRANSMISSION LIMITED

<b>Donor:</b>	<b>WB &amp; EIB</b>	
<b>Contractor:</b>	<b>KALPATARU Power Transmission Ltd</b>	
<b>Contract Number:</b>	<b>011/TRANSCOCLSG/W/TL/Lot3bis/02/2018</b>	
<b>Contract Amount USD:</b>	<b>38 586 558.00</b>	
<b>SLL:</b>	<b>32 987 641 784.00</b>	
<b>Equivalent in USD:</b>	<b>42 917 076.65</b>	
<b>Contract addendum N1 in USD</b>	<b>1 089 492.00</b>	Additional supply quantities due to change in tower type and quantities
<b>Contract addendum N2 in USD</b>	<b>6 692 930 USD / 10 153 952 328 SLL</b>	Change in foundations type quantities
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>3 858 655.80</b>	
<b>SLL:</b>	<b>3 298 764 178.40</b>	
<b>Disbursement percentage:</b>	<b>100%</b>	
<b>Contract signature:</b>	<b>06/03/2018</b>	
<b>Effective date:</b>	<b>06/07/2018</b>	.
<b>Duration (Month):</b>	<b>22</b>	
<b>Commissioning date</b>	<b>September 06, 2021 (Section Mano – Kenema) September 21, 2021 (Section Kenema – Bikongor)</b>	<b>The line is in operation.</b>
<b>Country:</b>	<b>Sierra Leone</b>	
<b>Activities to date (Progress rate)</b>		
<b>Global progress (100%), fully completed.</b>		
<b>ESMP &amp; RAP</b>		
Fully completed.		
<b>Challenges &amp; Issues</b>		
<b>Actions</b>		

X.1.6 TL WB-EIB 04 / LOT 4 - KALPATARU POWER  
TRANSMISSION LIMITED

<b>Donor:</b>	<b>EIB / WB</b>	
<b>Contractor:</b>	<b>KALPATARU Power Transmission Ltd</b>	
<b>Contract Number:</b>	<b>004/TRANSCOCLSG/W/TL/Lot4/01/2017</b>	
<b>Contract Amount USD:</b>	<b>37 794 659,8</b>	
<b>SLL:</b>	<b>25 861 186 763</b>	
<b>Equivalent in USD:</b>	<b>41 189 630.17</b>	
<b>Contract Addendum N.1 (equiv. Amount USD):</b>	<b>505 383.57</b>	Equitable price adjustment due to delay in contract effectiveness
<b>Contract Addendum N.2 (equiv. Amount USD):</b>	<b>2 334 112</b>	Change in towers quantities
<b>Contract Addendum N.3 (equiv. Amount USD):</b>	<b>937 733.85 USD / 1 014 685 567.51 SLL</b>	LILO 161kV to connect Bumbuna HPPP
<b>Contract Addendum N.4 (equiv. Amount USD):</b>	<b>3 091 822.49 USD / 4 752 691 740.4 SLL</b>	Change in towers quantities (2 <sup>nd</sup> part)
<b>Contract Addendum N.5:</b>	<b>1 895 223 USD / 2 806 177 360 SLL</b>	Change in Foundations type and quantities
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD</b>	<b>4 189 502</b>	
<b>Disbursement percentage:</b>	<b>100%</b>	
<b>Contract signature:</b>	<b>19/01/2017</b>	
<b>Effective date:</b>	<b>08/09/2017</b>	
<b>Duration (Month):</b>	<b>24</b>	
<b>Commissioning date:</b>	<b>July 7, 2022 (Bikongor -Bumbuna section) Section Bumbuna – Yiben after completion of Yiben substation under construction</b>	<b>The line Bikongor – Bumbuna is in operation. The line Bumbuna – Yiben is waiting for the completion of the Yiben SS</b>

		to be energized
<b>Country:</b>	Sierra Leone	
<b>Activities to date (Progress rate)</b>		
Global progress (100%), fully completed.		
<b>ESMP &amp; RAP</b>		
Fully completed.		
<b>Challenges &amp; Issues</b>		
<ul style="list-style-type: none"> <li>Due to the gap on the WB financing, there are some outstanding payments on this contract of about 1.9 M.USD that TRANSCO CLSG needed to address.</li> </ul>		
<b>Actions</b>		
<ul style="list-style-type: none"> <li>Out of the outstanding payments of 1.9 M.USD, the amount of 0.9M.USD was settled on Dec 2022 by TRANSCO from the transmission revenues, and the remaining 1.0 M.USD is going to be handled later.</li> </ul>		

X.1.7 SS EIB/KFW-05 / LOT 1– SIEYUAN / NEIE JV

<b>Donor:</b>	<b>EIB</b>	
<b>Contractor:</b>	<b>SIEYUAN / NEIE JV</b>	
<b>Contract Number:</b>	<b>006/TRANSCOCLSG/W/EIB/SS/Lot1/03/2017</b>	
<b>Contract Amount USD:</b>	<b>30 210 000</b>	
<b>Contract Addendum N.1 (equiv. Amount USD):</b>	<b>-7 698.50</b>	
<b>Contract Addendum N.2 (equiv. Amount USD):</b>	<b>2 609 682</b>	Supply of two 161 kV bays for LILO to connect Bumbuna HPP
<b>Contract Addendum N.3 (equiv. Amount USD):</b>	<b>17 873.8</b>	Additional communication cards
<b>Contract Addendum N.4 (equiv. Amount USD):</b>	<b>1 211 379.4</b>	Transformer inland transportation
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>3 021 000</b>	
<b>Disbursement percentage:</b>	<b>99.3%</b>	<b>Sum of invoices submitted</b>

<b>Contract signature:</b>	<b>20/03/2017</b>	
<b>Effective date:</b>	<b>05/09/2017</b>	
<b>Duration (Month):</b>	<b>18</b>	
<b>Initial Commissioning date:</b>	<b>06/03/2019</b>	
<b>Commissioning date:</b>	<b>September 06,2021(Kenema) September 21,2021(Bikongor)</b>	Kenema SS, Bikongor SS and Bumbuna SS are in operation
<b>Country:</b>	<b>Sierra Leone</b>	
<b>Activities to date (Progress rate)</b>		
Global progress (100%), fully completed.		
<b>ESMP &amp; RAP</b>		
Fully completed.		
<b>Challenges &amp; Issues</b>		
<b>Actions</b>		

X.1.8 SS EIB/KfW 05 / LOT 2 – SIEYUAN / NEIE JV

<b>Donor:</b>	<b>KfW</b>	
<b>Contractor:</b>	<b>SIEYUAN / NEIE JV</b>	
<b>Contract Number:</b>	<b>008/TRANSCOCLSG/W/KfW/SS/L OT2/09/2017</b>	
<b>Contract Amount in USD:</b>	<b>41 953 859.70</b>	
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>4 195 386</b>	
<b>Contract Addendum N.1 (equiv. Amount USD):</b>	<b>12 012 163</b>	Additional Substation to be constructed (Botota)
<b>Contract Addendum N.2 (equiv. Amount USD):</b>	<b>2 177 164</b>	Supply of an additional power TR in Yekepa SS
<b>Contract Addendum N.3 (equiv. Amount USD):</b>	<b>213 082</b>	Additional Circuit Breaker 400kV (Yekepa) and communication cards
<b>Contract Addendum N.4 (equiv. Amount USD):</b>	<b>900 000</b>	Supply of 132 kV underground cable between LEC/Mt Coffee and CLSG Monrovia



<b>Contract Addendum N.5 (equiv. Amount USD):</b>	<b>1 094 533</b>	3 SWS system and FOC cable
<b>Disbursement percentage:</b>	<b>97.4%</b>	<b>Sum of invoices submitted</b>
<b>Contract signature:</b>	<b>15/09/2017</b>	
<b>Effective date:</b>	<b>18/12/2017</b>	
<b>Duration (Month):</b>	<b>18</b>	
<b>Commissioning date:</b>	<b>April 20, 2021 to June 2021</b>	<b>Yekepa SS, Buchanan SS, Monrovia SS and Mano SS are in operation</b>
<b>Country:</b>	<b>Liberia</b>	
<b>Activities to date (Progress rate)</b>		
<b>Global progress (100%)</b>		
<ul style="list-style-type: none"> <li>• Engineering studies (100%) / Manufacturing (100%) / Transport (100%) / Construction (100%)</li> <li>• Completion certificate and operational certificate delivered for all substations except for Botota substation which is underway.</li> </ul>		
<b>ESMP &amp; RAP</b>		
<ul style="list-style-type: none"> <li>• Botota Construction ESMP (CESMP) implementation ongoing.</li> </ul>		
<b>Challenges &amp; Issues</b>		
<ul style="list-style-type: none"> <li>• Financing gap issue: Cover the cost of ongoing variation order (VO) related to improvement of drainage system, supply of a CCTV system, Cable variations ...etc.</li> </ul>		
<b>Actions</b>		
<ul style="list-style-type: none"> <li>• TRANSCO CLSG took over part of this activity through a new contract financed from the transmission revenues has been signed on Dec. 22, 2022 with the Board approval.</li> <li>• KFW provided TRANSCO CLSG with a grant of 1 million EUR, which will cover remaining variation order for about USD 0.268 USD, and the currency depreciation gap. Currently, the addenda for the financing agreement and the separate agreement for the additional 1 million EUR are being finalized.</li> </ul>		

#### X.1.9 SVC AFDB 03 – NR ELECTRIC

<b>Donor:</b>	<b>AfDB</b>	
<b>Contractor:</b>	<b>NR ELECTRIC</b>	
<b>Contract Number:</b>	<b>009/TRANSCOCLSG/TVX/SVC/BAD/11 /2017</b>	
<b>Contract Amount USD:</b>	<b>3 985 915</b>	
Advance payment percentage:	10%	
<b>Amount advance payment in USD:</b>	<b>398 592</b>	

<b>Contract Addendum N.I (equiv. Amount USD):</b>	<b>375 898,50</b>	Change in SVC location / impact on the civil works
Disbursement percentage:	<b>100%</b>	
<b>Contract signature:</b>	<b>19/12/2017</b>	
<b>Effective date:</b>	01/03/2018	
<b>Duration (Month):</b>	<b>18</b>	
<b>Commissioning date:</b>	April 20, 2021	SVC fully energized by April 20,2021 and in operation
<b>Country:</b>	Cote d'Ivoire	
<b>Activities to date (Progress rate)</b>		
Global progress (100%), fully completed.		
<b>ESMP &amp; RAP</b>		
Fully completed.		
<b>Challenges &amp; Issues</b>		
<b>Actions</b>		

#### X.I.10 SCADA AFDB 08 – NR ELECTRIC

<b>Donor:</b>	<b>AfDB</b>	
<b>Contractor:</b>	<b>NR ELECTRIC</b>	
<b>Contract Number:</b>	<b>010/TRANSCOCLSG/TVX/SCADA/BAD/03/2018</b>	
<b>USD:</b>	<b>1 981 461.65</b>	
Advance payment percentage:	10%	
<b>Amount advance payment in USD:</b>	<b>198 146</b>	
<b>Contract Addendum N.I (USD):</b>	<b>190 546</b>	Supply and installation of DRRMS
Disbursement percentage:	<b>71%</b>	<b>Sum of invoices submitted</b>
<b>Contract signature:</b>	<b>16/03/2018</b>	
<b>Effective date:</b>	31/07/18	
<b>Duration (Month):</b>	<b>18</b>	
<b>Commissioning date:</b>	<b>December 2021 (Back up in Man SS) / September 2023 (Main in Nzerekore SS)</b>	SCADA Back up in Man SS fully operational <b>ICCP communication with CIE new Dispatching of Yamoussoukro</b>

		<b>and Integration of ALL CLSG Substations signal lists led to this 3-month extension of the completion date.</b>
<b>Country:</b>	Guinea & Cote d'Ivoire	
<b>Activities to date (Progress rate)</b>		
<b>Global progress (85%)</b>		
<ul style="list-style-type: none"> <li>• Engineering studies (100%) / Manufacturing (100%) / Transport (100%) / Construction (65%)</li> <li>• Completion certificate delivered for SCADA Back up in Man SS. Operational certificate for SCADA Back up in Man SS also delivered</li> <li>• SCADA building completed and transferred to NR Electric for equipment installation</li> </ul>		
<b>ESMP &amp; RAP</b>		
<ul style="list-style-type: none"> <li>• Construction ESMP implementation ongoing in Guinea (N'zérékoré SS);</li> <li>• Implementation of environmental baseline database (EBD) study completed and the Côte d'Ivoire and Guinea EBD reports shared with ANDE, BGEEE, TRACTEBEL and NR ELECTRIC;</li> <li>• Nzerekore substation site transferred to KEC in charge of the SCADA Building for the CLSG Project.</li> </ul>		
<b>Challenges &amp; Issues</b>		
<b>Actions</b>		

#### X.1.11 SS AFDB 02 – KEC

<b>Donor:</b>	<b>AfDB</b>	
<b>Contractor</b>	<b>KEC</b>	
<b>Contract Number:</b>	<b>N°012/TRANSCOCLSG/T/POST ES/BAD/06/2018</b>	
<b>Contract Amount EUR:</b>	<b>16 117 536</b>	
<b>SLL:</b>	<b>31 895 757 662</b>	
<b>GNF:</b>	<b>19 063 562 665</b>	
<b>FCFA:</b>	<b>873 600 960</b>	
<b>Equivalent in USD:</b>	<b>27 357 485,98</b>	
<b>Advance payment percentage:</b>	<b>10%</b>	
<b>Amount advance payment in USD:</b>	<b>2 105 292,98</b>	
<b>Disbursement percentage:</b>	<b>93.4%</b>	
<b>Contract Addendum N.1 Amount Euro:</b>	<b>3 100 000</b>	Acceleration Plan signed on April 15, 2019
<b>Contract Addendum N.3 Amount:</b>	<b>1 383 262 EUR/ 362 046 206 XOF</b>	Change in MAN SS (including additional

		coupling bay and 2nd BB)
<b>Contract Addendum N.4 Amount:</b>	<b>2 451 921 EUR / 84 103 994 SLL /32 552 339 GNF</b>	SCADA building and Switchgear for CI Energies
<b>Contract signature:</b>	<b>28/06/2018</b>	
<b>Effective date:</b>	<b>15/09/2018</b>	
<b>Duration (Month):</b>	<b>18</b>	
<b>Initial Commissioning date:</b>	<b>15/03/2020</b>	
<b>Revised Commissioning date:</b>	<b>February 27, 2021 (Man SS) / February 25, 2023 (Nzerekore SS) / June to December 2023 (Yiben &amp; Kamakwie SS) /</b>	Man SS is in operation since February 2021 and Nzerekore was energized last February 2023.  The energization of Kamakwie may require the completion of LINSAN SS under OMVG Project (tentative completion December 2023).
<b>Country:</b>	<b>Côte d'Ivoire/Guinea/Sierra Leone</b>	
<b>Activities to date (Progress rate)</b>		
<b>Global progress (97%)</b>		
<ul style="list-style-type: none"> <li>• Engineering studies (100%) / Manufacturing (100%) / Transport (100%) / Construction (94%) Completion certificate delivered for Man and Nzerekore substation. Operational certificate for Man substation delivered to the contractor.</li> </ul>		
<b>ESMP &amp; RAP</b>		
Fully completed.		
<b>Challenges &amp; Issues</b>		
<ul style="list-style-type: none"> <li>• Several Variation Orders (4,84 M\$) are yet to be financed because no sufficient uncommitted balance on the financing.</li> <li>• A request was received from KEC proposing to release the retentions against equivalents bank guarantees. That was found interesting by TRANSCO and submitted to the AfDB approval, but it was never responded;</li> <li>• On Dec. 22, 2022, the AfDB decided to prioritize the contractual price revision among the several variation orders submitted to them for approval. As result, the VO for this contract were not processed by the bank and TRANSCO shall finance them from its own resources.</li> </ul>		
<b>Actions</b>		

- TRANSCO CLSG with the Board approval, is considering to take over those variation order from the transmission revenues.
- A regional bidding process is been prepared for the V.O that were not considered by AfDB but are necessary for the reinforcement of the facilities.
- For those V.O approved by AfDB but that the implementation was not completed before Dec. 31, 2022, TRANSCO CLSG will have to pay them from its own resources.

#### X.1.12 OWNER'S ENGINEER CONTRACT (TRACTEBEL)

<b>Donor:</b>	<b>WB</b>	
<b>Contractor</b>	<b>TRACTEBEL</b>	
<b>Contract Number:</b>	<b>N°001/QCBS/TRANSCO-CLSG/PIU/11/2016</b>	
<b>Contract Amount USD:</b>	<b>3 814 000</b>	
<b>EUR:</b>	<b>3 889 950</b>	
<b>FCFA:</b>	<b>1 748 740 360</b>	
<b>LRD</b>	<b>8 760 000</b>	
<b>SLL</b>	<b>420 528 000</b>	
<b>GNF</b>	<b>658 272 000</b>	
<b>Equivalent in USD:</b>	<b>11 918 616</b>	
<b>Contract Addendum N.1 Amount (equiv. USD):</b>	<b>8 142 342</b>	<b>Extension of contract</b>
<b>Contract Addendum N.2 Amount (USD)</b>	<b>7 473 071</b>	<b>Extension of contract</b>
<b>Contract Addendum N.3 Amount (USD)</b>	<b>2 976 101</b>	<b>Extension of contract (January 2022 to September 2023)</b>
<b>New contract - Extension of assignment (EUR)</b>	<b>1 292 427</b>	<b>From October 2022 to December 2023 Under TRANSCO CLSG financing</b>
<b>Advance payment percentage:</b>	<b>15%</b>	
<b>Amount advance payment (equiv. USD):</b>	<b>1 787 792</b>	
<b>Disbursement percentage:</b>	<b>98.12%</b>	<b>Sum of invoices submitted</b>
<b>Contract signature:</b>	<b>17/11/2016</b>	
<b>Effective date:</b>	<b>01/12/2016</b>	
<b>Duration (Month):</b>	<b>36</b>	
<b>Initial Completion date:</b>	<b>01/12/2019</b>	
<b>Revised Completion date:</b>	<b>December 2023</b>	<b>Including guarantee period</b>
<b>Country:</b>	<b>Cote d'Ivoire – Liberia – Sierra Leone – Guinée</b>	

## Activities to date by Deliverables

### **D1- Design review transmission line (civil work, etc.)**

All transmission line engineering studies are closed. ASB documents have been submitted by transmission line contractors and reviewed by TE.

### **D2 – Design review substation**

Most of substations engineering studies are closed. As built documents have been submitted by substations contractors and reviewed by TE.

### **D3 -Design review SCADA/ Telecom**

No engineering studies documents received from SCADA contractor related to Back up of SCADA in Man substation and Main SCADA Nzerekore.

### **D4 -Contractual review (addendum, completion certificate, etc.)**

02 Completion Certificate for Nzerekore SS and for TL Yiben -Kamakwie -Linsan delivered to contractor KEC and JV AIL TATA in 1<sup>st</sup> Quarter 2023.

02 Operational Certificate for SVC Man and SCADA Man delivered to contractor NR ELECTRIC in 1<sup>st</sup> Quarter 2023.

### **D5 - O&M contract support**

During 1<sup>st</sup> quarter 2023, TE supported the temporary operator O&M during the outages for the maintenance works done by CIE and contractors.

### **D6 – Defense Plan**

Deliverable achieved

### **D7 – Commissioning strategy and tests support**

During 1<sup>st</sup> quarter 2023, TE reviewed the reports and attended the pre-commissioning test for Kamakwie, Yiben, Nzerekore and Botota substations as well as commissioning test of Nzerekore substation. TE also approved commissioning procedure of Nzerekore SS.

### **D8 - EPC billing management**

TRACTEBEL reviewed and approved in 1<sup>st</sup> quarter 2023, 29 payments certificates which including several invoices submitted by contractors.

### **D9 – Headquarter coordination and management**

- One Project Director

**D10 – Site supervision Côte d’Ivoire**

- One project coordinator for all countries and based in Côte d’Ivoire supervisor

**D11- Site supervision Liberia**

- One Substation supervisor

**D12 - Site supervision Sierra Leone**

- One Substation supervisor

**D13 - Site supervision Guinea**

- One Substation supervisor

**D14 – Defect Liability Period**

Guaranty period has started for all facilities which completion certificates were delivered:

- TL Man-Yekepa -Nzerekore; TL Yekepa-Buchanan; TL Buchanan -Monrovia -Mano; TL Mano-Kenema-Bikongor; TL Bikongor -Bumbuna -Yiben; TL Yiben – Kamakwie -Linsan
- Substations (Man; Yekepa; Buchanan; Monrovia; Mano; Kenema; Bikongor; Bumbuna)
- SVC Man and SCADA back up Man

The observation time of the guarantee is 540 days from the date of issue of the said completion certificates.

**Performance / Challenges & Issues**

**X.1.13 TEMPORARY OPERATION & MAINTENANCE CONTRACT  
(CIE)**

<b>Financing:</b>	<b>WB &amp; TRANSCO CLSG</b>	
<b>Contractor</b>	<b>CIE</b>	
<b>Contract Number:</b>	<b>TRANSCO-CLSG/SG/O&amp;M-A/WB/001/09/2020</b>	
<b>Contract Amount USD:</b>	<b>3,104,825</b>	
<b>Contract Addendum N.I Amount</b>	<b>N/A</b>	<b>Extension of contract up to December 2021 without additional cost</b>

<b>Contract Addendum N.2 &amp;3 Amount (USD)</b>	<b>4,477,198</b>	<b>Extension of contract up to December 2022 with additional cost</b>
<b>New contract (TRANSCO CLSG financing)</b>	<b>9,714,744</b>	<b>Period from January to December 2023</b>
<b>Advance payment percentage:</b>	<b>20%</b>	
<b>Amount advance payment (equiv. USD):</b>	<b>620 965</b>	
<b>Disbursement percentage:</b>	<b>98% (without the new contract) and 43% (including the new contract)</b>	
<b>Contract signature:</b>	<b>07/10/2020</b>	
<b>Effective date:</b>	<b>15/12/2020</b>	
<b>Duration (Month):</b>	<b>6</b>	
<b>Initial Completion date:</b>	<b>07/04/2021</b>	
<b>Revised Completion date:</b>	<b>December 2023</b>	<b>Formalization of new contract almost completed</b>
<b>Country:</b>	<b>Cote d'Ivoire – Liberia – Sierra Leone – Guinée</b>	

### Activities to date by Deliverables

#### I/ OPERATION

As at date, 6 feeders are in operation:

- 33 kV supply of NZEREKORE from the YEKEPA substation
- 33 kV supply of BO KENEMA from the KENEMA substation
- 33 kV supply of KOIDU from the BIKONGOR substation
- 33 kV supply of OCTEA Mining from the BIKONGOR substation
- 161 kV FREETOWN line supplied from the BUMBUNA substation
- 66 kV Mt Coffee supplied from the MONROVIA substation

#### • THE CLSG TRANSMISSION LINES AND SUBSTATIONS IN OPERATION

Below is the status of the CLSG network equipment:

##### Substations in operation:

- Man CLSG SS (27/02/2021)
- YEKEPA SS (21/04/2021)
- BUCHANAN SS (03/05/2021)
- MONROVIA SS (23/05/2021) and Synchronization with Mt Coffee SS (11/08/2021)
- MANO SS (26/07/2021)
- KENEMA SS (07/09/2021) and Energization of BO KENEMA 33 kV feeder (22/12/2021)
- BIKONGOR SS (05/07/2021) and Energization of KOIDU 33 kV feeder (03/10/2022) and OCTEA mining 33 kV feeder (22/12/2022)
- BUMBUNA SS and Synchronization with BUMBUNA HPP (31/03/2022)
- FREETOWN energy supply through LILO connection with the 161 kV TL Bumbuna – Freetown (07/07/2022)
- NZEREKORE 225 kV SS (24/02/2023) and Energization of two 33 kV feeders (25/02/2023)
- BOTOTA 225 kV SS energy supply through LILO connection -Energization of the 225 kV bus bar (19/04/2023)

Substations and Equipment remaining to be energized:

- 2 substations in Sierra Leone (YIBEN SS and KAMAKWIE SS by May and June 2023)
- SCADA NZEREKORE (June 2023)



### Transmissions lines 225 kV in operation:

- TL Man – Yekepa: completion and testing on 15/01/2021. Energized on 21/04/2021
- TL 225 kV Yekepa – Nzerekore: Energization of NZEREKORE 33 kV feeder (27/11/2021 and Operation in 33kV on 02/04/2022
- TL Yekepa – Buchanan: Completion and testing on 31/07/2020. Energized on 03/05/2021
- TL Buchanan- Monrovia: Energized on 23/05/2021
- TL Monrovia- Mano: Energized on 26/07/2021
- TL Mano - Kenema: Energized on 07/09/2021
- TL Kenema - Bikongor: Completion and testing on 22/09/2021. Energized on 05/07/2022
- TL Bikongor – Bumbuna: Completion and testing on 31/07/2020. Energized on 03/05/2021
- TL 225 kV Yekepa – Nzerekore: Energization of the Line and Operation in 225 kV (23/02/2023)
- LILO connection to Botota SS (18/04/2023)

### • ENERGY TRANSIT

From December 2021 to March 2023 the total energy transit on the CLSG network is **192 GWh** distributed between EDSA (Sierra Leone), EDG (Guinea) and LEC (Liberia).

The matrix below shows the energy exchanges each year from December 2021 to March 2023

DELIVERED ENERGY - CLSG 2021-2022-2023				
	ENERGY TRANSIT	DEC.2021	2022	2023 (Up to April 2023)
CI-ENERGIES(MAN) - Côte d'Ivoire	Total Injection Energy- MAN SS (MWh)	1 372,00	134 479,89	191 965,52
LEC - Liberia	Delivered Energy- LEC ( MWh )	-	6 653,00	85 147,00
EDSA/ - Sierra Leone	Delivered Energy- EDSA ( MWh )	902,72	92 365,35	82 587,15
EDG/NZEREKORE Guinea	Delivered Energy- EDG ( MWh )	-	19 662,52	11 114,22
<b>TOTAL DELIVERED ENERGY TO COUNTRIES</b>		<b>902,72</b>	<b>118 680,87</b>	<b>178 848,37</b>

TOTAL ALLOCATED ENERGY - CLSG 2021-2022-2023				
	ENERGY TRANSIT	DEC.2021	2022	2023 (Up to April 2023)
LEC/Liberia	Allocated Energy (MWh)	-	7 214,17	91 493,62
EDSA/ Sierra Leone	Allocated Energy (MWh)	1 372,00	104 523,18	88 570,67
EDG/NZEREKORE Guinea	Allocated Energy (MWh)		22 440,89	11 928,23

## 2/ MAINTENANCE

Maintenance of the CLSG network is carried out by the O&M CIE through a monthly maintenance schedule. The maintenance execution point is made and presented at the weekly O&M meeting.

An elaborate matrix of actions makes it possible to follow the execution of critical actions.

To date, very few spare parts have been used. A monthly update will be made in the monthly report produced by O&M CIE.

For this first quarter of 2023, the major incident has been the Broken mid span joint on TL Monrovia-Mano that was solved by the EPC Contractor. Apart from that, only few incidents on the network including blackouts generated from the CIE/Côte d'Ivoire network disrupted the supply of electricity.

The matrix below gives us the state of the situation.

	INCIDENTS	Date of occurrence	Date of treatment	Actors	Disturbed areas or location
1	Lack of voltage on the CLSG network following a black out in Côte d'Ivoire	14/02/2023	14/02/2023	CIE/ CI	The whole CLSG network
2	Lack of 225 k V voltage on the CLSG network	24/02/2023	24/02/2023	CIE-O&M	The whole CLSG network
3	Lack of 225 k V voltage on the CLSG network	27/02/2023	27/02/2023	CIE-O&M	The whole CLSG network
4	Lack of 225 k V voltage on the CLSG network	24/02/2023	24/02/2023	CIE-O&M	The whole CLSG network
5	Lack of 225 k V voltage on the CLSG network	24/03/2023	24/03/2023	CIE-O&M	The whole CLSG network
6	Broken mid span joint on TL Monrovia-Mano	16/02/2023	19/02/2023	EPC NCC / O&M CIE	Mano SS to Bumbuna SS

### O&M Challenges and issues

- Tests and commissioning of the MSC Transformers in Buchanan and Mano SS: The MSC TFOs of the 225kV BUCHANAN and MANO substations have not been energized:  
**Action:** Transco and TE to Plan test and commissioning dates and implement them
- **Recommendation for treatment of transformer insulating oils in certain substations after the tests**
- **Action:** CIE O&M will urgently plan the treatment of oils from affected transformers.

### Performance / Challenges & Issues

As per the Board approval, the extension of the temporary O&M assignment up to December 2022 was proceeded through a new contract signed and financed from TRANSCO CLSG transmission revenues. The new extension up to December 2023 is being finalized.

The statutory O&M is still not on board due to the financing issues of the project. The management is reviewing alternative solutions to address this issue.

The selected bidder (RTEi) was informed of the impossibility to sign the contract accordingly.

## **XI IMPLEMENTATION OF ESMP & RAP**

### **XI.1.1 RAP ACTIVITIES**

A detailed RAP report is attached as Annex 3.

The process for the RAP data consolidation, implemented by independent consultants recruited by TRANSCO CLSG, is completed in the four (04) countries.

The compensation payment process of identified PAPs is completed in all the 4 CLSG countries. The corridors and substation sites were transferred accordingly to the EPC Contractors.

It is during this 1<sup>st</sup> quarter 2023 that the RAP activities have been fully completed in Guinea. The landowners for the two (2) substations sites have been compensated and the two sites were transferred to the contractors, including the additional 1,9km in Guinea due to the change of location of the Linsan substation. The PAPs identified on the access roads and for damage due to the cut of trees outside the corridor to secure the transmission line were fully compensated from March 03 to 12, 2023 after the validation of the simplified RAP in February 2023 by the Donors.

In summary, as at March 31, 2023, a total of 6 744 Project Affected Persons have been compensated in the CLSG countries.

The tables below present the status of sites handover to EPC Contractors as at March 31, 2023:

## RAP Implementation Status : Compensation of PAPs and Lands transfer

N°	PROJECT FOOTPRINTS	CÔTE D'IVOIRE	LIBERIA	SIERRA LEONE	GUINEA	TOTAL
1	TRANSMISSION LINE	117/117 km: <b>100% compensated and transferred 1,554 PAPs</b> 692 PAPs in 2011	530/530 km: <b>100% compensated and transferred 2080 PAPs</b> 112 PAPs in 2011	537/537 km: <b>100% compensated and transferred 2,490 PAPs</b> 414 PAPs in 2011	126,9/126,9 km: <b>100 % compensated and transferred 620 PAP</b> 112 in 2011	1,310,9 /1310,9 km <b>compensated and transferred 6 744 PAPs</b> 1,330 in 2011
2	SUBSTATIONS	<b>1/1 : 100%</b>	<b>5/5 : 100%</b>	<b>5/5 : 100%</b>	<b>2/2 : 100%</b>	<b>13 / 13: 100%</b>

### Progress of the implementation of the audit of CLSG RAPs

The CLSG Project RAPs audits were launched in Côte d'Ivoire, Guinea, and Sierra Leone in September 2021; then in Liberia on July 18, 2022. Table below shows the progress of the implementation of the RAPs audits in CLSG countries as of March 31, 2023.

Progress report on the completion of the RAPs audits mission in the CLSG countries.

Countries	Consultant	Starting date (Date of signature of the contract)	Kick-off meeting date	Date of transmission and validation of the final inception report	Current level of the mission as of March 31, 2023
COTE D'IVOIRE	NATRA CONSULTANT	31/08/2021	September 20, 2021.	October 29, 2021	The revised report of the RAP audit was approved by the World Bank on October 20, 2022. AfDB approved this report on <b>January 16, 2023</b> after the integration of minor comments. The final report is available.
GUINEA	CEMED	31/08/2021	September 16, 2021.	November 08, 2021	After the approval of the final audit report by the World Bank on January 17, 2023, the AfDB approved this report on February 21, 2023 after the integration of minor comments. The final report is available.
SIERA LEONE	LAYNAA/ECOFIN	06/09/2021	September 20, 2021.	October 29, 2021.	The AfDB approved the final RAP audit report on January 16, 2023. The World Bank approved this report on January 26, 2023. The final report is available.
LIBERIA	CEMED	20/06/2022	July 18, 2022	September 12, 2022.	The consultant completed the field surveys on November 13, 2022. The consultant submitted the draft RAP audit report on February 27, 2023. TRANSCO CLSG retransmitted the draft report with its comments to the consultant.

## XI.1.2 ESMP ACTIVITIES

TRANSCO CLSG during this quarter has kept on implementing the Environmental and Social Management Plan (ESMP) in accordance with the Policy and Regulation of the CLSG Countries, the Donors and the International Standards for Health, Safety and Environment Management...

Significant progress was made on this aspect of the project as at March 31, 2023 that includes 47 direct jobs (41 local jobs and 6 international jobs) and 13 indirect jobs created.

As part of setting up suitable HSE management tools for the commissioning, the operation and the maintenance of the line and substations, TRANSCO CLSG has recruited a consultant that prepared the TRANSCO CLSG HSE Policies and Procedures Manuals. The final version of these Manuals adopted by the Donors is available. To date, the report is being translated into French for submission to the Board of Directors for approval.

In the field, the CIE HSE procedures are aligned with Donor Policies and Guidelines, International Standards and the laws and regulations of CLSG countries.

The progress of the ESMP implementation in the four (4) CLSG Countries is detailed in Annex 5 attached to this report.

## **XII PROJECT COMPLETION**

As the project is now in the completion stage for many contracts, TRANSCO CLSG is working in close coordination with TRACTEBEL to ensure that some key critical steps are followed in order to successfully commission the remaining facilities and turn them over to the O&M Operator.

On substantial completion of works in the respective EPC contracts, the Owner's Engineer will:

- i. Perform checks and verify completeness and compliance of facilities with contractual requirements, in cooperation with TRANSCO CLSG / PIU.
- ii. Together with TRANSCO CLSG / PIU witness all final mechanical and electrical testing.

During the commissioning period of works in the respective EPC contracts, the Owner's Engineer's commissioning team, in collaboration with the O&M Operator will review and approve the contractors' procedures for switching, performance and acceptance testing. The Owner's Engineer will then:

- i. Coordinate switching and testing;
- ii. Witness the acceptance testing (after energizing), review the result;
- iii. report on all test results with respect to contractual requirements and
- iv. Prepare a report on any changes made to the installation to meet the requirements of the acceptance tests.

On completion of each EPC lot, the Owner's Engineer will perform the following:

- i. Review completeness and adequacy, and approve equipment operating and maintenance manuals prior to the issue of the final certificates. The Owner's Engineer shall ensure that preliminary O&M manuals are handed over to the O&M Contractor. The Owner's Engineer shall be responsible for the supervision of the O&M Contractor from the date of his appointment (contract effectiveness) until commissioning at the same time ensuring the transfer of know-how to the PIU team to perform the required supervision after commissioning.
- ii. Expedite preparation of as-built drawings by the contractor, review, and file a permanent record within three months on project completion.
- iii. After receiving the EPC Contractors' application for the contract under consideration issue Taking Over certificates (alternatively reject the Contractors' application giving reasons for the rejection) and any other final certificates in accordance with contractual requirements.
- iv. Follow up on any snag list in issued certificates and expedite timely clearing of outstanding items together with TRANSCO CLSG / PIU.

Within the above-mentioned framework, series of actions on sites and meeting were organized with TRANSCO CLSG, TRACTEBEL, the EPC Contractors, the Temporary O&M Operator, and the National Utilities.

### **XIII COORDINATION WITH DONORS, NATIONAL & REGIONAL UTILITIES AND GOVERNMENT MINISTRIES**

TRANSCO CLSG continued to engage stakeholders of the project to enhance project coordination and address key challenges.

TRANSCO CLSG also engaged Contractors and Donors through coordination meetings to address technical and other strategic issues pertaining to the project. During the first quarter 2023, series of coordination meetings were held to discuss issues such as project management (time, scope, cost, coordination, etc...), procurement challenges, staff recruitment, financial gap issues, disbursement conditions, ESMP and RAP activities, rural electrification, interface with CLSG project, etc:

#### **MEETINGS HELD DURING THE 1<sup>st</sup> QUARTER 2023**

<b>N.</b>	<b>Dates</b>	<b>Meetings</b>	<b>Participants</b>	<b>Venue</b>
1	18/01/2023	1st Meeting: Energization of Nzerekore SS / Meeting with EDG to assess the connection of EDG MV to the MV gantry of Nzerekore SS	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	VC
2	23/01/2023	2 <sup>nd</sup> Meeting: Energization of Nzerekore SS	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	VC
3	24/01/2023	Energization of the CLSG Network - Commissioning of NZEREKORE SS	TRANSCO CLSG, TRACTEBEL, CIE	VC
4	25/01/2023	Connection to CLSG Network - Meeting between TRANSCO CLSG, LEC and Bea Mountain Mining Company	TRANSCO CLSG, LEC and Bea Mountain Mining Company	VC
5	01-03/02/2023	WAPP- Solar Energy development in Sub-Saharan Africa: Meeting on the challenges related to the Variable Renewable Energy (VREn)	WAPP, WAPP Projects	Lomé (Togo)
6	02/02/2023	1 <sup>st</sup> Meeting: Energization of the CLSG Network – Meetings on the Commissioning of Nzerekore Substation	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	VC
7	06/02/2023	2 <sup>nd</sup> Meeting: Energization of the CLSG Network – Meetings on the Commissioning of Nzerekore Substation	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	VC
8	06-11/02/2023	WAPP- Workshop on Pricing Model Testing	WAPP, WAPP Projects representatives	Akosombo (Ghana)
9	08-11/02/2023	World Bank Joint Supervision Mission – Yiben and Kamakwie SS sites visit	World Bank, TRANSCO CLSG, TRACTEBEL, KEC	YBN & KAM SS sites (Sierra Leone)



10	09/02/2023	3 <sup>rd</sup> Meeting: Energization of the CLSG Network – Meetings on the Commissioning of Nzerekore Substation	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	VC
11	15/02/2023	4 <sup>th</sup> Meeting: Energization of the CLSG Network – Meetings on the Commissioning of Nzerekore Substation	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	VC
12	15-16/02/2023	ERERA – Strengthening of ERERA-CEB-CLSG-OMVG-OMVS-WAPP Synergy Consultation Meeting	ERERA, WAPP and All Stakeholders	Accra (Ghana)
13	17/02/2023	Meeting with KfW - Financing of CLSG project	KfW, TRANSCO CLSG	VC
14	20/02/2023	5 <sup>th</sup> Meeting: Energization of the CLSG Network – Meetings on the Commissioning of Nzerekore Substation	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	VC
15	22/02/2023	World Bank Mission – Meeting to take stock of progress and introduce the ICR	World Bank, TRANSCO CLSG, AfDB	TRANSCO CLSG HQ
16	22-24/02/2023	WAPP- Solar Energy development in Sub-Saharan Africa: Meeting to review the intermediate version of the technical guide related to Variable Renewable Energy (VRE) integration study	WAPP, WAPP Projects	Abidjan (Côte d'Ivoire)
17	22-25/02/2023	Energization of the CLSG Network – Commissioning of Nzerekore Substation	TRANSCO CLSG, TRACTEBEL, CIE, KEC, EDG	Nzerekore SS site (Guinea)
18	27/02/2023	TRANSCO CLSG 30th Board of Directors Meeting	TRANSCO CLSG Board of Directors Members	TRANSCO CLSG HQ & VC
19	14/03/2023	1 <sup>st</sup> Meeting: Connection of the Botota SS to CLSG Network	TRANSCO CLSG, TRACTEBEL, CIE, SIEYUAN	VC
20	15/03/2023	2 <sup>nd</sup> Meeting: Connection of the Botota SS to CLSG Network	TRANSCO CLSG, TRACTEBEL, CIE, SIEYUAN	VC
21	16-19/03/2023	KfW Supervision Mission in Liberia – Monrovia, Buchanan, Botota SS sites visit	KfW, TRANSCO CLSG, TRACTEBEL	Sites (Liberia)
22	16/03/2023	3 <sup>rd</sup> Meeting: Connection of the Botota SS to CLSG Network	TRANSCO CLSG, TRACTEBEL, CIE, SIEYUAN	VC
23	17/03/2023 to 30/05/2023	AfDB Mission – Project Completion Report	AfDB, TRANSCO CLSG	TRANSCO CLSG HQ
24	22/03/2023	4 <sup>th</sup> Meeting: Connection of the Botota SS to CLSG Network	TRANSCO CLSG, TRACTEBEL, CIE, SIEYUAN	VC

25	23-24/03/2023	CLSG-OMVG Network – Assessment of the Linsan SS construction	TRANSCO CLSG, TRACTEBEL, OMVG	Linsan SS (Guinea)
26	29-31/03/2023	WAPP- Solar Energy development in Sub-Saharan Africa: Meeting to review the intermediate version of the methodological guide on the assessment of energy solutions for integration	WAPP, WAPP Projects	Accra (Ghana)

The coordination made so far with countries on the CLSG rural electrification components implemented by National Utilities is summarized in Annex 8. The status of progress of this component is also reflected in the same annex.

#### **XIV UPDATE OF THE FINANCIAL MODEL AND BUSINESS PLAN**

As per the Treaty signed in 2012, TRANSCO CLSG were to finance, build, operate, maintain, and develop the CLSG interconnection line, which will link Côte d'Ivoire, Liberia, Sierra Leone, and Guinea. This 1,303km 225kV transmission line will connect 12 high-voltage substations between Man in Côte d'Ivoire and Linsan in Guinea.

The International Project Agreement signed (IPA) between TRANSCO CLSG and the CLSG Member States in 2013 establishes the principle that TRANSCO CLSG's revenues should cover all costs. But in the event of insufficient revenues, the four CLSG countries, either directly or through the CLSG utilities, would cover the deficit. Moreover, these countries are currently faced with significant macroeconomic challenges including but not limited to the tight fiscal space which has been further exacerbated by the Covid-19 virus. To this end, it will be very difficult for these countries to provide direct budget support to TRANSCO CLSG to fill any revenue-cost gap that may arise in the early years of commercial operation.

The IPA also defines (in the Annex 6 of the amended IPA signed in November 2013) the methodology and principles behind the tariff to be applied for transmitting electricity on the CLSG interconnection line (including revenue requirement as a function of TRANSCO CLSG operating costs, while complying with a minimum Debt Service Coverage Ratio (DSCR). TRANSCO CLSG's revenues will mainly consist of the transmission tariff, as well as the marketing of excess capacity of optical fiber, ancillary transmission services and financial income.

Against this background, and with the objective to achieve financial viability of TRANSCO CLSG, the original business plan has been updated to reflect changes in construction and O&M costs, delays in commissioning as well as the reality of electricity flow on the line, as expected in to the revised PPAs contracts. TRANSCO CLSG has had several engagements with the consultant that is supporting TRANSCO CLSG to review and update the financial model and draft updated Business Plan covering the short and medium term, from 2022-2026.

For these first three years, the minimum reserved capacity of 27MW has been agreed upon in the TSAs with the transmission tariff of US\$175,200/MW/ year for the first three years approved by the Steering Committee along with the Business Plan in August 2022.

➤ **TRANSCO CLSG Corporate Governance and Oversight**

TRANSCO CLSG is governed by the provisions of the CLSG Treaty, the Articles of Association and, on a subsidiary basis, the provisions of the OHADA Uniform Act relating to commercial companies and economic interest groups. The company's shareholders are the national power utilities of Côte d'Ivoire (CI-Energies), Liberia (LEC), Sierra Leone (EDSA) and Guinea (EDG). A seven-member Board of Directors appointed by shareholders manages the Company. The General Manager is responsible for the day-to-day administration of the Company.

The Company is currently organized into three main departments – the Office of the General Manager, which includes procurement, internal audit, advisers, communication, Secretariat, and IT functions. The Project Implementation Unit (PIU) is responsible to supervise the implementation of the project during the construction phase and monitor the operation of the commissioned facilities, and the Finance and Administration Department (FAD) is responsible for finance, budgeting, and disbursement functions. FAD is also in charge human resources, administrative, vehicles, equipment, office, and premises management. However, the Company will begin to implement the restructuring plan B activities as it transitions from construction to commercial operations.

➤ **Scope, Cost and Financing of CLSG Project**

The CLSG Project is a multi-donor funded project costing over US\$553.44 million at December 2021 while the initial estimate in 2012 was US\$445 million. AfDB, EIB, KfW, the World Bank and the four CLSG countries provide financing for the project. The scope of the CLSG project includes 1,303 km transmission lines, 12 sub stations and SVCs and a SCADA system.

The physical implementation of the project is undertaken through several EPC (Engineering Procurement Construction) turnkey contracts, with support from an Owner's Engineer.

Due to delays in the implementation of the project as a result of the Ebola virus disease in Liberia, Sierra Leone, and Guinea from 2013 to 2016, higher bid prices in 2016, the cost of the project increased to US\$530 million in 2016 with a financing gap of US\$125.76 million that was filled from the additional financing provided by the World Bank and KfW in 2017. Since 2017, the cost of the project has further increased to US\$554.39 million with another gap. TRANSCO CLSG is working on a strategy to fill this second gap.,

Nothing that the AfDB Financing is closed in December 2022 as well as the World Bank financing (closed) in March 2023, TRANSCO CLSG obtained the authorization from the Steering Committee to raise funds from EBID and/or ECOBANK to finance the Gap. On the other hand, TRANSCO is working with the national utilities to increase the use of the line and generate the resources required to finance its operation and other liabilities.

## **XV BUSINESS OPPORTUNITY RELATED TO COMMERCIAL USE OF THE FIBER EXCESS CAPACITY**

Exploring the opportunities linked to the excess fiber optic (FO) capacity is a strategic option for TRANSCO CLSG and a priority set by Management for the year 2023.

TRANSCO CLSG has undertaken several actions for the commercialization of the spare fiber optic capacity. The most recent at the beginning of 2023 was a process launched in April 2021 to recruit a consultant to undertake a study on the potential and monetization of the spare FO available capacity. Unfortunately, due to budgetary constraints and high bids prices received the process was unsuccessful and no other actions had been taken since.

In 2023, TRANSCO CLSG appointed a Commercial Liaison Officer (EA-CLO). Following her appointment and in alignment with TRANSCO CLSG strategic objective to ensure and maintain the commercial viability of the company, the EA-CLO prepared a note to Management purposed to rekindle efforts and suggest alternative actions to move forward the process. Among others, the note recommended working visits to national and regional entities, the likes of TRANSCO CLSG that had successfully launched the commercialization of their FO, such as GRIDCo and OMVS/SOGEM.

As result of these coming technical visits, a comprehensive approach of using the excess FO capacity is expected.

## **XVI UPDATE ON THE FINALIZATION AND SIGNATURE OF PPAS AND TSAS**

After a long preparation and negotiation phase (almost three years), PPAs were signed on October 19, 2016, between CI Energies and the three power utilities, and TSAs were signed on the same day between TRANSCO CLSG and the three utilities.

As per the advice from World Bank, new negotiations have been launched since 2018 to revise the signed contracts. Following hard negotiations between CI-ENERGIES and the three buyers supported by consultants recruited by WAPP, the issues related to price, curtailments, and liquidated damages were addressed. EDSA from Sierra Leone and EDG from Guinea signed their PPA and TSA with CI-ENERGIES and TRANSCO CLSG respectively in December 2021.

LEC from Liberia has concluded the commercial negotiations and signed the PPA with CI-ENERGIES on October 21, 2022 and the TSA with TRANSCO CLSG on October 26, 2022.

The TSA between TRANSCO CLSG and CI-ENERGIES is to be concluded and signed.

## **XVII COMMON OPERATING PROTOCOL**

The general principles of the operation of the CLSG interconnection come within the framework of documents signed for the CLSG project, like the International Project Agreement (IPA), the Transmission Services Agreements, and the regional documents (WAPP and ERERA), the WAPP Operation Manual signed on September 29th, 2015.

The background of the Common Operating Protocol is that operation of the interconnected CLSG system entails operational collaboration and co-ordination taking place between TRANSCO CLSG and the system operators in the four countries namely. CIE (Compagnie Ivoirienne d'Electricité), LEC (Liberia Electricity Corporation), EGTC (Electricity Generation and Transmission Company), EDSA (Electricity Distribution Supply Authority) and EDG (Electricité De Guinée). Effective collaboration between these will provide the technical prerequisites for trading in power on the interconnected synchronous CLSG system.

After extensive discussions and review, the final version of the Common Operating Protocol is being adopted in view of its signing by the concerned national power utilities.

## **XVIII RECRUITMENT OF THE TEMPORARY AND THE STATUTORY O&M CONTRACTORS**

As stated in the report of the previous period, TRANSCO CLSG conducted a direct contracting with CIE, the National Power Utility of Côte d'Ivoire, an experienced utility for an initial period of six to twelve (6-12) months. And the recruitment of the statutory O&M has been conducted concomitantly.

### **Temporary O&M recruitment process:**

Within the implementation of the temporary O&M assignment, and in order to maintain the legal frame of the contract, the WB requested that an addendum for time extension (till December 2021).

Consistent with the schedule of the recruitment process for the statutory operator, and in order to maintain a necessary overlap period between the 2 operators' contracts, TRANSCO CLSG negotiated further extension of the contract till December 31, 2022.

As the situation of the statutory O&M is getting complicated given the financing issue (need for TRANSCO CLSG to secure about USD53M to prefinance this contract as precondition of the WB NO to sign the contract), the Management of TRANSCO CLSG with the approval of the Board, is negotiating to extend the assignment of CIE's contract to avoid any interruption of the O&M services as energy is flowing between the countries and all PPA and TSA are signed. CIE proposal for the period from January to December 2023 has been received and the negotiations are completed to date. The contract formalization is underway for signature in the next weeks.

The main challenge with the CIE contract is the provision by CIE of regular contractual reporting on the progress of the contract implementation including insurances coverage, O&M reporting requirements, business registration in Liberia, work permits, and timely submission of invoicing data.

**Statutory O&M recruitment process:**

As announced in the previous report, the procurement process for the recruitment of the statutory operator was relaunched on September 17, 2021.

Following the processing of all the procurement steps, RTEi was selected and WB provided on August 23, 2022 a conditional no objection to sign the contract, subject to TRANSCO CLSG to prefinance it if the WB additional financing is not secured.

Then the financing is not secured, and there is no visibility on when this important contract amount could be mobilized, the selected bidder (RTEi) was officially informed that the contract cannot be signed so far.

## XIX ADDITIONAL SCOPE, COST AND VARIATION ORDER

The following tables provide the status of the variation orders:

- Under KfW financing:

N°	CONTRACTS / LOTS	VARIATIONS & JUSTIFICATIONS	COSTS (IN MILLION)	STATUS	COMMENTS
1	SS / Lot 2 <b>SIYUAN&amp;NEIE JV</b> - Yekepa-Buchanan-Monrovia-Mano-Botota	Accepted activities from Add.6 (VO for Botota substation, new 66kV Transformer Bay, etc.	USD 0.232	Variation cleared by the OE & by KfW. (Ref. KfW technical no objection of Oct. 12, 2022)	KfW technical N.O received on May 5, 2023.
2	SS/ Lot 2 SIYUAN&NEIE JV - Yekepa-Buchanan-Monrovia-Mano-Botota	Variation Order (for SWS actual quantities and cable variation)	-USD 0.035	Out of the 81K claimed by the contractor, finally a decrease of 35K was made on the contract amount.	
3	SS/ Lot 2 SIYUAN&NEIE JV - Yekepa-Buchanan-Monrovia-Mano-Botota	Variation Order (CO No.008. Cable change from single to three cores for Yekepa, Buchanan, Mano and Botota)	USD 0.07	The review of the request validated only 0.07M out of the 0.17M claimed by the contractor.	KfW technical N.O received on May 5, 2023.
	<b>TOTAL</b>		<b>USD 0.267</b>		

- Under AfDB financing:

N°	CONTRACTS	VARIATION JUSTIFICATIONS	COSTS (IN MILLION)	PROCUREMENT STATUS	COMMENTS
1	Lot1 – <b>BOUYGUES E&amp;S</b> Man – Yekepa – N'Zerekore	Contractual price revision and contract update according to <b>As-Built quantities</b>	<b>USD 4.132</b>	Addendum #6 submitted to AfDB on <b>May 6 &amp; 13, 2022</b> . Resubmitted on Nov. 16, 2022. Finally, AfDB decided on Dec. 22, 2022 that price revision will be prioritized on the use of uncommitted balances, and no need for addendum for it.	Is being processed by AfDB
2	Lot2 – <b>ALL-TATA JV</b> Yiben to Kamakwie - Linsan	Variation Order No.3 ( <b>Contractual price revision</b> ).	<b>USD 4.20</b>	Finally, AfDB decided on Dec. 22, 2022 that price revision will be prioritized on the use of uncommitted balances, and no need for addendum for it.	Is being processed by AfDB
<b>TOTAL</b>			<b>USD 8.332</b>		



- To be financed by TRANSCO CLSG:

N°	CONTRACTS / LOTS	VARIATIONS & JUSTIFICATIONS	COSTS (IN MILLION)	STATUS	COMMENTS
1	Transmission line Buchanan-Monrovia-Mano	Connection of CLSG TL to BOTOTA Substation	USD 0.06	Procurement process completed. Contract signed on Dec. 8, 2022	<b>Contract Amount: USD45.2K</b>
2	Transmission Line Man – Yekepa –N’Zerekore	Connection of N’Zerekore SS to the CLSG line		Procurement process completed. Contract signed on Dec. 8, 2022	
3	SS / Lot 2 SIEYUAN&NEIE JV - Yekepa-Buchanan-Monrovia-Mano-Botota	<i>Update of drainage system in all substations</i>	USD 0.88	Reinforcement works effectively done & cleared by the OE. Board Approved. Contract signed on Dec. 22, 2022.	
4	SS / Lot 1 – SIEYUAN&NEIE JV - KEN-BIK-BUM	Supply & installation of 33 KV load breaker switch & fuse	USD 0.04		
5	Lot2 –AIL-TATA JV Yiben to Kamakwie - Linsan	Variation Order No.4: Contract price update according to As-Built quantities.	USD 0.466	Board Approved. Contract signed on May. 26, 2023.	New contract under TRANSCO CLSG financing
6	Lot2 –AIL-TATA JV Yiben to Kamakwie - Linsan	Remaining works not completed on Dec. 2022 + Retentions	USD 0.896	To be taken by TRANSCO CLSG because of the closing of AfDB financing.	
7	TATA Project Limited	Variation of foundations (+ SWS variation)	USD 0.245	Contract is being finalized.	

8	KEC International substations of Man - Nzerekore - Yiben - Kamakwie	Various Variation Orders not considered by AfDB because of the financing closing (VO. No.7,8)	USD 4.84	Related addendums were submitted to AfDB but were not processed till the closing date of the financing.	A new regional bidding process is being prepared to outsource the works
9	KEC International substations of Man - Nzerekore - Yiben - Kamakwie	Remaining works not completed on Dec. 31, 2022	USD 0.284	As AfDB financing closed on Dec. 2022, the remaining works is being considered by TRANSCO CLSG	
<b>TOTAL</b>			<b>USD 7.711</b>		

## XXPROJECT PROVISIONAL TIME SCHEDULE

Considering the current status of the project, the matrix below presents our current estimation of works completion and facilities commissioning in the four CLSG Countries:

N°	Contractors	Scope	Completion date before Covid 19	Revised Completion dates	Commissioning date
1	BOUYGUES ENERGIES & SERVICES	TL YEKEPA – NZEREKORE	30/10/2020	March 2021 (C)	September 2021 ( YEKEPA - NZEREKORE)
		TL MAN – YEKEPA	30/06/2020	December 2020 (C)	March - April 2021 (MAN – YEKEPA)
2	NR ELECTRIC Co.	SVC of MAN	30/06/2020	December 2020 (C)	
3	KEC INT. LTD	MAN Substation	30/06/2020	December 2020 (C)	February 2023 (NZEREKORE)
		NZEREKORE SS	30/12/2020	December 2022 (C)	
		YIBEN, KAMAKWIE SS		June 2023 (AC)	June 2023 (YIBEN, KAMAKWIE SS)
4	JV ELECNOR / EIFFAGE	TL YEKEPA – BUCHANAN (230 km)	30/06/2020	July 2020 (C)	April-June 2021 (YEKEPA – MONROVIA)
5	NCC	TL BUCHANAN – MONROVIA	30/06/2020	July 2020 (C)	
6	JV SIEYUAN-NEIE / LOT 2	YEKEPA, BUCHANAN, MONROVIA, MANO SS	31/03/2020	December 2020 (C)	June - July 2021 (MONROVIA - MANO)
		132 kV Connection to Mt Coffee HPP		March 2021 (C)	
		BOTOTA SS	30/12/2020	December 2022 (C)	April 2023 (BOTOTA)
7	KALPATARU POWER TRANSMISSION LTD / LOT 3	TL MANO – KENEMA – BIKONGOR (213 km)	30/12/2020	December 2020 (C)	September 2021 (MANO – KENEMA)
8	JV SIEYUAN-NEIE / LOT 1	KENEMA, BIKONGOR, BUMBUNA SS	30/06/2020	July 2020 (C)	July 2022 (KENEMA – BIKONGOR – BUMBUNA)
		Addendum for 2 + Bays at BUMBUNA SS	-	December 2020 (C)	

N°	Contractors	Scope	Completion date before Covid 19	Revised Completion dates	Commissioning date
9	KALPATARU POWER TRANSMISSION LTD / LOT 4	TL BIKONGOR – BUMBUNA – YIBEN (221 km)	30/06/2020	July 2020 (C)	June 2023 ( BUMBUNA - YIBEN) / Subject to the energization of LINSAN SS by OMVG
10	ANGELIQUE / TATA JV	TL YIBEN – KAMAKWIE – LINSAN (215 km)	30/10/2020	December 2022 (C)	December 2023 ( YIBEN - LINSAN) / Subject to the energization of LINSAN SS by OMVG
11	NR ELECTRIC Co.	SCADA of NZEREKORE	30/12/2020	December 2021	September 2023
		SCADA Backup at MAN	30/06/2020	December 2020 (C)	December 2021

**C = Completed** (final inspection and testing ongoing).; **AC = Almost Completed** (i.e., ready to energized, but minor activities ongoing)

## XXI PROJECT FUNDS DISBURSEMENT STATUS

The table below shows the disbursement status for both consultancy services (OE 2) and EPC Contracts. The detailed payment monitoring (including disbursement schedules) tables are attached as Annex 7. Disbursement rate is estimated at **100.02%** taking account price variation as at March 2023.

				PROJECT DISBURSMENT			
Period up to : March-23				REALIZATION		FORECAST	
N	Contract Designation	DONORS	Contract Amount (\$)	Sum Total Invoiced - Invoices amount (\$)	%/contract	Amount (\$)	%/contract
1	OE1 - Studies & Procurement /	WB	762,501.85	762,501.94	100%	762,501.85	100%
2	OE2 - Supervision of Works	WB	31,976,119.40	31,374,735.28	98%	31,976,119.41	100%
3	TL-AfDB-01 / Lot 1 - BOUYGUES	AfDB	35,167,926.95	39,434,340.85	112%	35,167,926.95	100%
4	TL-AfDB-01 / Lot 2 - AIL/TATA	AfDB	43,962,543.24	45,649,405.20	104%	41,764,416.08	95%
5	TL-WB/EIB-04 / Lot1 - ELEC NOR-	WB	63,295,198.65	63,295,127.22	100%	63,295,197.75	100%
6	TL-WB/EIB-04 / Lot2 - NCC	WB	59,524,253.62	59,129,373.06	99%	59,524,253.32	100%
7	TL-WB/EIB-04 / Lot3 - KPTL	EIB/WB	52,032,464.62	52,032,464.19	100%	52,032,464.62	100%
8	TL-WB/EIB-04 / Lot4 - KPTL	EIB/WB	51,079,411.47	51,085,735.48	100%	51,079,409.52	100%
9	SS-AfDB-02 - KEC	AfDB/WB	36,405,508.90	34,013,653.37	93%	35,313,343.63	97%
10	SS-EIB/KfW-05 / Lot 1 -	KfW	34,015,663.90	33,819,690.57	99%	34,015,663.90	100%
11	SS-EIB/KfW-05 / Lot 2 -	EIB	57,256,269.66	55,755,088.69	97%	57,256,269.66	100%
12	SVC-AfDB-03 - NR ELECTRIC	AfDB	4,361,813.50	4,199,396.70	96%	4,361,813.63	100%
13	SCADA AfDB 08 - NR ELECTRIC	AfDB	2,172,007.23	1,545,027.87	71%	1,885,147.80	87%
14	FREQ. REG WB	WB					
15	FREQ. REG AfDB	AfDB					
16	SCADA AfDB ABIDJAN	AfDB					
<b>TOTAL</b>			<b>472,011,682.98</b>	<b>472,096,540.43</b>	<b>100.02%</b>	<b>468,434,528.12</b>	<b>99.24%</b>

All financings disbursement expiry dates have been successfully extended as follows :

Donor	Previous expiry date	New expiry date	Last disbursement date
AFDB	31/10/2020	<b>31/12/2022</b>	
WB	15/12/2020	<b>31/03/2023</b>	
EIB	10/12/2019	<b>31/12/2022</b>	
KFW	31/12/2017	<b>31/12/2022</b>	

## XXII KEY RISKS AND MITIGATING MEASURES

Within the framework of the implementation of the project, the Management prepared a Matrix of risks assessment in the Project Development Plan, highlighting key risks, their ratings (Low, Medium, and High), mitigation measures and related monitoring framework.

The matrix had identified five (5) high level risks that could therefore impend the viability of the Project and TRANSCO CLSG.

As at this quarter, the major results revealed that the said risks, ranked high level, have been either mitigated or brought to a very low level. The below matrix actually summarizes the status:

	Risks	initial level	Mitigation Actions	Present level	Comments
1	Risk of delay in the line commissioning of the remaining facilities due to the COVID-19 pandemic,	High	Preparation and implementation of the CLSG Project Activity Continuity Plan	<b>Low</b>	Covid-19 not any more considered as a risk
2	Risk of network instability due to the very low level of loads	High	Engaging countries for a maximum use of the CLSG line	Nul	Current loads are enough to enable a workable voltage profile

3	Risk that the available power cannot be evacuated through national transmission networks due to either incompatibility with the CLSG line or the unavailability of such networks;	High	Close coordination with the National Utilities	Low	Successful coordination with the countries during the construction works
4	Risk that the CLSG network does not fit with WAPP network requirements and PPA/TSA requirements	High	Close coordination with the WAPP	Low	Successful coordination WAPP : TRANSCO CLSG is part of WAPP working groups
5	Risk that one of the CLSG countries does not trade on the line during the 1 <sup>st</sup> years of operation.	High	Support to countries in their Negotiations with the agreements.	Nul	Countries are demanding energy

The current matrix is being revised in conjunction with the Internal Auditor considering the current operation phase of the project. The said matrix, captured as **Annex 6** will be duly filled in the next reports.

### XXIII PROJECT CHALLENGES

The table below presents key challenges the project to be considered under the 1<sup>st</sup> quarter period:

#	Challenges	Action required
I	<b>Financing Gap resulting from significant changes in project costs:</b> due to depreciation of local currency, extension of implementation timeframe, market variation in equipment costs, change in scope (Variation Orders). As such, revenues of TRANSCO CLSG during the 1st years of Operation are not as anticipated (Lower loads, take-off networks not ready).	TRANSCO CLSG has been authorized to raise funds from EBID and/or ECOBANK to finance the Gap.

3	<p><b>Commercial Operation challenges:</b> Dynamic of increase of Power flows on the CLSG Network slowed down as result of power limitation by CI-ENERGIES to contractual levels (80.0MW).</p>	<p>TRANSCO CLSG is pushing to accelerate the completion of LINSAN SS (under OMVG responsibility), where a huge hydro potential is available.</p> <p>National Utilities to initiate PPAs negotiation with EDG to import power from LINSAN.</p> <p>National Utilities to negotiate with CI-ENERGIES to increase their demands through a formal amendment of the signed PPAs.</p>
4	<p><b>Readiness of National T&amp;D networks:</b> Countries Transmission and Distribution Networks not yet ready to be significantly connected to the CLSG Substations</p>	<p>Governments and National utilities to push for the completion of national projects, including the connection of Big Consumers (Low level of Loads is part of the CLSG challenges)</p>
5	<p><b>NCC Contract: Soil investigation issue:</b> Foundations reinforcement claimed by TRACTEBEL to address the risk due to revision of the soil investigation methodology.</p>	<p>TRANSCO CLSG to support the decision based on the firm position of experts claiming the sustainability of the current foundations. The implemented revised methodology is a best practice approach and the EPC contractor took full responsibility.</p>
6	<p><b>Dispute with ELECNOR-EIFFAGE:</b> Claim of 3.45M\$ for a so-called compensation of the impact of covid19 on the implementation of its contract and for the delay encountered in the commissioning of the line. A Dispute Board (DB) set up which finally rendered a decision ordering TRANSCO CLSG to pay the equivalent of about 2.3MUSD with rolling interests</p>	<p>Finally, the parties agreed to negotiate and an amicable settlement is expected provided that the rolling interests be dismissed</p>
	<p><b>Construction of the 2<sup>nd</sup> Circuit:</b> Expected increase in the Demand from the CLSG Countries (economy growth</p>	<p>Need for raising about miUSD150.00 for preparation and implementation (miUSD20.00+miUSD130.00)</p>



	in the countries and demand from Big Consumers-Mining Companies)	
7	<b>Business opportunities:</b> Commercialization of excess capacity of the Fiber Optic	TRANSCO CLSG to adopt a definite strategy to take advantage of the Fiber Optic availability.

## CONCLUSION

The period under review confirmed the significant progress achieved in the construction of the CLSG interconnection line. The progress has reached the 99% and most of the facilities of the network have reached 100% of completion and are under operation including section from MAN in Côte d'Ivoire through BOTOTA in Liberia to BUMBUNA in Sierra Leone and section from YEKEPA in Liberia to NZEREKORE in Guinea.

The compensation of PAPs for assets within the corridor and the compensation for acquisition of land for the substations is successfully completed. Payment for access roads and damages due to cut of trees outside the corridor to secure the transmission line is completed. Finally, 6 744 Project Affected Persons were compensated in the CLSG countries.

The process of recruiting consultants for the RAPs audit is completed for Côte d'Ivoire, Sierra Leone, Guinea, and Liberia. Audits started in Côte d'Ivoire, Sierra Leone, and Guinea since September 2021, then in Liberia since July 2022. The final inception reports of the audits in the four countries are available.

As of March 31, 2023, the final RAPs audit reports for Côte d'Ivoire, Guinea and Sierra Leone adopted by the Donors are available. In Liberia, the consultant submitted the draft RAP audit report on February 27, 2023. TRANSCO CLSG retransmitted the draft report with its comments to the consultant for finalization.

The Environmental and Social Management Plan (ESMP) activities are in progress, and comply with Donor Policies and Guidelines, International Standards and the laws and regulations of CLSG countries. In particular, the protection of the ecosystems along the line corridor, the management of the Health, Hygiene and Safety of workers and populations for the remaining works are progressing satisfactorily.

Regarding the commissioning, the operation and the maintenance of the line and substations, the Health, Safety and Environmental (HSE) management require suitable tools. To this end, the TRANSCO CLSG HSE Policies and Procedures Manuals have been prepared. The adopted version of the report received No Objection from Donors on November 7, 2022 and is available.

The CIE HSE procedures are aligned with Donor Policies and Guidelines, International Standards and the laws and regulations of CLSG countries.

In terms of local jobs, the CLSG Project created from January 2018 to March 2023, 40,689 direct jobs and 5,558 indirect jobs for the benefit of the CLSG countries.

The most prominent challenges of the project are the delays of the implementation of the national networks to be connected to the CLSG line. This will create lower flows on the CLSG in the first years of operation, which represent an important shortfall in revenue for TRANSCO CLSG. On the top of that, CI-ENERGIES has informed TRANSCO CLSG on the challenge for them to go beyond the contractual value of power and as such, they have taken the decision to limit the supply of electricity at the contracted value by the national utilities (i.e., 80MW).

Also, the financing gap to complete the construction phase and finance a statutory O&M Contract represent another important challenge for the success of the project. Part of the costs are financed by TRANSCO CLSG through transmission revenues and discussions with commercial Banks are also ongoing.

TRANSCO CLSG continues to engage national stakeholders to keep a synergy between the construction of the CLSG line and that of the national transmission or distribution networks so that connection be possible at the earliest.

A key milestone in the project implementation was achieved with the successful energization and operation of the sections Man – Yekepa – Botota - Buchanan - Monrovia – Mano – Kenema – Bikongor – Bumbuna and the section Yekepa - Nzerekore.

Major activities in the next quarter will be the finalization of the construction, the pre-commissioning tests of remaining facilities, the energization of the remaining sections of the CLSG line, the signing of the Common Operating Protocol, the finalization of the negotiations of the costs for the extension of the Temporary O&M Operator’s contract, the exploration for options for the commercial use of the Fiber Optic and the preparation of the connection of big consumers (including mining companies) to the CLSG Network.

## **LIST OF ANNEXES:**

- ANNEX 1 – Photos of Works ongoing
- ANNEX 2 – Revised Project Costs
- ANNEX 3 – RAP Implementation report
- ANNEX 4 – Progress of the Construction phase
- ANNEX 5 – ESMP Implementation report
- ANNEX 6 – Project Risks Assessment Matrix
- ANNEX 7 – Contracts Payment Monitoring
- ANNEX 8 – CLSG Project Connection to the national networks