

PROJECTS IMPACT REGISTER						
No.	PROJECT NAME	DONOR(S)	Project Description	Project Components	SCOPE	IMPACT
1	ESURP-AF	WORLD BANK	The Project aims to upgrade the Freetown distribution network from existing 11kV to 33KV backbone with the objective of improvement of voltage and Power quality, reduce technical losses, increasing evacuation of power and access to electricity in the Freetown Western Area. The Project closed on 28th June, 2024, all scope of works completed.	Component 1: Distribution Utility Capacity Enhancement and Performance Improvement, Component 2: Improvement of Electricity Supply in Urban Areas, Component 3: Sector Planning Assistance, Project Implementation Support and Monitoring and Evaluation and Component 4: COVID-19 emergency response component	(1) Design, Supply, and Installation of 33/11kV Primary Substations in Freetown - 100% completed, (including Upgrade and Extension of 33kV system at Freetown 161 Substation, 33kV upgrade at Falcon Bridge and Cline Town, whilst new 33kV substations at Jui, Waterloo and Aberdeen). (2) Design, supply and installation of 33kV Sub transmission Lines, 100% Completed (33kV Single circuit, Freetown 161 to Aberdeen, 33kV Double circuit from Freetown 161 to Falcon Bridge to Cline Town to Black Hall Road, additional 33kV circuit BlackHall Road to Roportee to Wellington, 33KV docuble circuit Wellington to Jui to Waterloo Substations, and 33kV Single Circuit from Jui to Regent Substation)	1. Increase in the reliability of the distribution network in Freetown 2. Increase in the evacuation of power to the Far East and West of the Freetown Distribution Network by at least 100% 3. Improved Power quality and voltage profile 4. Reduction in Technical Losses
2	ESLEAP PROJECT	WORLD BANK	The project aims to expand and increase access to electricity across new communities in Freetown, and the provincial township from the CLSG Grid to Pujehun, kabala and Kailahun. In Freetown works along jui, waterloo and Aberdeen communities completed at 100%, while meter installation to those communities in progress. Bidding documents modification for recruitment of EPC Contractors for connection of CLSG grid to kabala and pujehun is in progress, whilst kailahun is pending due to limited funds.	Component 1: Electrification of towns and communities through grid extension Component 2: Electrification through mini-grid and standalone solar systems Component 3: Human Capital Development and Project Implementation Support Component 4: Component 4: Emergency support to the Electricity sector	(1) Design, Supply & Installation of 40,000 Pre-Paid Meters and Accessories (Procured Single phase – 37,000, and Three-phase – 3,000) (2) Design, Supply and Installation of 11kV/LV network supply completed, installation is 100% completed (500km of LV Lines, 165km of 11kV lines and 116 distribution transformers) 3. 35km of 33kV single circuit line from the 33kV CLSG line and associated 33kV substation and accessories in Pujehun 4. 43km of 33kV single circuit line from the 225kV CLSG substation in Fadugu and associated 33kV substation and accessories in Kabala 4. 120km of 66kV single circuit line from the 225kV CLSG substation in Kenema with Bay extension and associated 66/33kV substation and accessories in Kailahun	1. Increase in the reliability of the distribution network in Freetown, Kabala, Pujehun and Kailahun 2. Grid connection to the CLSG transmission 2. Increase electricity access 3. Improved Power quality and voltage profile 4. Reduction in Technical Losses
3	RESPITE PROJECT	WORLD BANK	The project aims to provide electrification through renewable energy across Sierra Leone, Liberia, Togo and Chad. In Sierra Leone, a 40MW (30 MW Newton in Freetown, 10MW in Lungi) solar power plant and associated accessories and energy storage system will be installed at Lungi and Newtonreetown to improve power quality, increase generation capacity, reduce technical loss and improve power reliability. EPC Contractors recruited for the solar power plant in Lungi an Newton, and same for 33 and 11kV lines for Newton and Lungi respectively. Freetown 161 optimization procurement process for recruitment of EPC Contractor is in progress.	Sub-Component 1B: Supply and Installation of Solar PV and Battery storage at two locations in Sierra Leone Sub-Component 3A: Distribution Expansion and Transmission Optimization Sub-Component 4B: Regional Coordination & Institutional Strengthening Sub-Component 4C: Implementation Support to National PIUs	1. 30MW and 10 MW Solar Power plants in Newton and Lungi, respectively 2. 33 & 11kV lines connecting solar power plants in Newton and Lungi, respectively 3. Optimization and Voltage Regulation of the Kingtom 161kV substation and increase of transport capacity of the existing 161kV line	1. Increase in the reliability of the distribution network 2. Increase in the evacuation of power 3. Improved Power quality and voltage profile 4. Reduction in Technical Losses 5. Increase in Electricity Access

4	BO-KENEMA REHABILITATION PROJECT	AfDB/FCDO	<p>The project aims to rehabilitate the existing dilapidated distribution network and to increase evacuation through a new transmission line from the CLSG Grid to the township of Bo, Kenema and surrounding communities or villages. The project objective is to increase:</p> <p>i). Power transfer capacity (i.e. increase access to electricity) ii). Reliability and availability of the power supply in Bo and Kenema cities and other surrounding Communities iii) Provide quality electricity supply, through the complete rehabilitation, upgrade and expansion of the Bo and Kenema distribution network</p>	<p>A: Rehabilitation and Extension of Distribution Networks B: Project Management & Engineering supervision services C: Technical assistance and Capacity building D: Temporary generation</p>	<p>(1) Lot-1 (Design, Supply, Installation and commissioning of two new primary substations and rehabilitation of two city centers 33/11kV substations and 33/11kV substations between Bo and Kenema). Construction of 66/33/11kV substations in Bandama and Bandajuma, 33/11kV substation in Bo and Kenema with all associated transformers and Accessories.</p> <p>(2) Lot-2 (Design, Supply, Installation and Commissioning of one double circuit 66kV overhead transmission line between Bo and Kenema and rehabilitation of 11kV and 0.4kV distribution networks) Construction of 70km of 66kV double circuit transmission line, 213km of 11kV MV distribution line, construction of 15.5km of 33kV double circuit distribution line, rehabilitation of 58km of single circuit 33kV distribution line and 7.4km double circuit 33kV distribution line. Also, installation of 182 pcs of 11/0.4kV distribution transformer substations, 19 pcs of 33/0.4kV distribution transformer substations, and 816 km of low-voltage distribution lines.</p> <p>(3) Meter Installation 1. Single-phase Prepaid Meter Installed (50,000 – 100% completed) 2. Three-phaseeters Installed (500) – 100% complete</p>	<ol style="list-style-type: none"> 1. Increase in the reliability of the distribution network 2. Increase in the evacuation of power 3. Improved Power quality and voltage profile 4. Reduction in Technical Losses 5. Increase in Electricity Access and rural electrification rate
5	CLSG-RE RURAL ELECTRIFICATION PROJECT	AfDB/EU	<p>The project is formulated to increase access to communities along the CLSG 225kV transmission line routes within Sierra Leone. 31 villages and facilities are being electrified through the project with street lights and low voltage connections to households. Presently, the project is completed and closed, pending energization of remaining villages through the CLSG Grid, managed by TRANSCO-CLSG and CI Energies as O&M partner.</p>	<p>A: Infrastructure: Design, Supply, Installation and Commissioning of Medium and Low Voltage Power Lines and Services Connections including Pre-Payment Meters and Street Light In Twenty-Nine Villages in Sierra Leone B: Rural Electrification: Consultancy Services for detailed Engineering Design and Preparation of Bidding Documents. C: Project Studies and Management.</p>	<p>Installation of 33kV distribution lines, Low voltage lines and distribution transformers including street lighting in the following communities with the exception of Koidu Township and OCTEA Mining Tiloma, Bumpeh, Mapaki, Kangama, Njaiama Nimikoro, Ngo Town, Njaiama Sewafe, Ngiehun, Kamabai, Makoni Line, Zimmi, Hanga, Panderu, Mabonto, Kamalo, Kamakwie, Fadugu, Dodo, Potoru, Kamankay, Bumbuna Town, Matotoka, Massingbi, Makali, Tongor, Ngiehun, Paguma, Lago, Mano, Koidu Township ,Octea Mining</p>	<ol style="list-style-type: none"> 1. Increase in Electricity Access and rural electrification rate 2. Create socio economic Development