CURRICULUM VITAE (CV)

1. **General Information:**

|  |  |
| --- | --- |
| **Name:** | Tom  |
| **Date of Birth:** | 15th March 1960 |
| **Social Status** | Married |
| **Nationality** | South Sudanese |
| **Occupation** | Electrical Engineer |
| **Employer** | 1. National Electricity

 Corporation (NEC) Sudan (1985 -2010)1. Sudanese Electricity

 Distribution Company  (SEDC) (2010 -2011)3. Ministry of Energy & Dams South Sudan (2011-till date) |
| **Contact Address** | Email: tom.350581@2freemail.com  |

1. **Education Qualifications:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **Qualification** | **Specialization** | **Institution** | **Year** |
| 1. | Post Graduate Diploma (PGD.) | Electrical Power | Khartoum University -Sudan | 2006 |
| 2. | Bachelor of Science (BSc.) | Electrical Power | Zagazig University – Faculty of Engineering Shoubra-Egypt | 1984 |

1. **Language Skills (indicate only languages in which you can work):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **Language** | **Speaking** | **Reading** | **Writing** |
| 1. | English | Excellent | Excellent | Excellent |
| 2. | Arabic | Excellent | Excellent | Excellent |

1. **Employment Record Experience:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **Period** | **Employer** | **Position** | **Duties** |
| **1.** | 2011-2017 | Ministry ofEnergy and Dams **(MED)-****South Sudan** | Director General for Planning and Projects | * Planning and Implementation of the Electricity Projects Transmission Lines, Substations, Distribution System at the HV, MV, LV voltage levels (400kV,220kV, 132kV, 33kV, 11kV, 0.415kV);
* Procurement and Management of the Project Materials;
* Ascertain the requirement of local and foreign currencies and maintain the flow of materials;
* Preparation of bid document;
* Evaluation and clarifications of the bid proposal documents and Selection of Consultants/ Contractors;
* Negotiation and award of the contract
* Installation of HV, MV & LV Facilities (Transformers/Switchgears/Cables/Over Head Lines
* Testing & Commissioning of various

 Projects facilities. * Managing the transfer of technology and training of engineers and staff on the new project equipment;
* Monitoring and evaluation of the project execution (Technical/Financial/Time);
* Prepare the project progress and final reports..
 |
| **2.** | 2014-2017 | Ministry ofEnergy and Dams **(MED)-****South Sudan** | Projects Coordinator for i. Distribution Projects ii. Energy Master Plan  | * Managing recruitment of the Consultants/Contractors;
* Approving the designs and bid documents;
* Evaluating the bid documents, negotiating and awarding the contracts.
* Supervising the execution of the distribution project;
* Implementation of Least Cost Investment energy Master Plan.
 |
| **3.** | 2010-2011 | Sudanese Electricity Distribution Company **(SEDC) Sudan** | Director General for Planning & Projects | * Planning and Implementation of the energy Projects (Transmission Lines, Substations, Distribution System (500/220/110kV & 33/11kV);
* Procurement and Management of the Project Materials;
* Ascertain the requirement of local and foreign currencies and maintain the flow of the materials;
* Preparation of bid documents (Scope, TOR, Specifications and drawings);
* Evaluation and clarifications of the bid documents and Selection of Consultants/ Contractors;
* Negotiation and awarding of the contract
* Installation of HV & MV Facilities (Transformers/Switchgears/Cables/OHL)
* Testing & Commissioning of various

 Project facilities. * Managing the transfer of knowledge and training of engineers and staff on the new project equipment;
* Monitoring and evaluation of the project execution (Technical/Financial/Time);

Prepare the project progress and final reports. |
| **4.** | 2009-2010 | NationalElectricity Corporation **(NEC)-Sudan** | Director for Distribution National Grid | * In charge of operation and maintenance of the Distribution Networks MV/LV to secure the reliability and security of the electrical power supply to the Residential/ Commercial/Industrial/Agricultural consumers in the multiple regions (15 states) of the population of 30 million inhabitants;
* In charge of Planning, design, specifications, and Construction of the MV/LV distribution networks;
* Procurement of the distribution materials and securing the continues flow of these materials to all the states.
* Supervision the Execution of the distribution networks including, construction, installation, testing and commissioning.
* Managing the distribution contracts and all the outsourcing distribution activities.
* Management of human personnel, safety and distribution equipment.
* Prepare the annual budget, periodic and annual reports.
 |
| **5.** | 2007-2009 | NationalElectricity Corporation **(NEC)-Sudan** | Director for Specifications/ Standards and Design | * Setting the specifications for HV/MV and MV/LV equipment accordance with the International standards (ANSI/IEEE, IEC);
* Prepare the bidding documents, Design including

Design calculations and drawings;* Prepare Manuals for Factory Acceptance Test, Commissioning Test, Operation, Maintenance and Safety for HV/MV and MV/LV equipment.
 |
| **6.** | 1999-2007 | NationalElectricity Corporation **(NEC)-Sudan** | Area Manager for Operation and Maintenance of the Distribution Networks | * Managing the Operation and Maintenance of Electricity Distribution networks and Equipment.
* Ensuring continuous and reliable electricity power supply to all consumers with the specified standards voltage and frequency.
* Supervision of the distribution projects that include rehabilitation and expansion of the MV/LV networks (transformers/switchgears/cables/OHL/Control & Metering.
* Formulating and performing predictive and preventive maintenance of distribution transformers, power transformers, HV/MV switchgears and other T&D facilities.
* Load forecasting, System Planning, Tariff formulation, Asset and human resource Management.
* Prepare Operation, Maintenance and Management reports.
 |
| **7**. | **1991-1999** | NationalElectricity Corporation **(NEC)-Sudan** | Chief electrical Distribution engineer | * Operation and Maintenance of Electricity Distribution networks.
* Ensuring continuous and reliable electricity power supply to all consumers with the specified standards voltage and frequency.
* Supervision of the distribution projects that include rehabilitation and expansion of the MV/LV networks (transformers/switchgears/cables/OHL/Control & Metering.
* Formulating and performing predictive and preventive maintenance of distribution transformers, power transformers, HV/MV switchgears and other T&D facilities.
* Carryout Load forecasting, System Planning, Tariff formulation, Asset and human resource Management.
* Prepare reports.
 |
| **8.** | **1985-1991** | NationalElectricity Corporation **(NEC)-Sudan** | Electrical Distribution engineer | * Operation and Maintenance of Distribution MV/LV Switchgears, Substations, O/H lines and U/G Cables.
* Diagnosing and clearing the faults in the distribution network;
* Ensuring continuous and reliable electricity power supply to all consumers with the specified standards voltage and frequency.
* Carryout predictive and preventive maintenance of distribution transformers, power transformers, HV/MV switchgears and other distribution facilities.
* Ensuring Safety of the distribution facilities and human personnel.
 |

**4. TRANING COURCES ATTENDED:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S/N** | **FIELD OF TRAINING** | **COUNTRY** | **YEAR** |
| 1. | Computer Applications | Sudan | 1996 |
| 2. | Problems & Solutions of Electrical Power | Jordan | 1997 |
| 3. | Total Quality Management System | Sudan | 1997 |
| 4. | Power & Distribution Transformers | China | 2000 |
| 5. | SCADA & Distribution Network Management System (DMS)  | Ireland | 2001 |
| 6. | Projects Negotiation Skills | Sudan | 2002 |
| 7. | Strategic Planning | Sudan | 2003 |
| 8. | MS Project | Sudan | 2004 |
| 9. | Load Studies & Distribution Networks Stability | Egypt | 2005 |
| 10. | High Voltage Transmission Lines Design | Egypt | 2006 |
| 11. | High & Medium Voltages Substations Design | Egypt | 2006 |
| 12. | Application of International Standards (IEC, IEEE, BS, etc….) | Egypt | 2006 |
| 13. | FIDIC Contracts | Sudan | 2007 |
| 14. | Electrical Power Development Plans | Thailand | 2008 |
| 15. | Medium Voltage Switchgears Design | Spain | 2009 |
| 16. | Distribution Package Substations Design | Italy | 2009 |
| 17. | Projects Financial Model | Norway | 2013 |
| 18. | Strategic Leadership Development Program | KSG-Kenya | 2013 |
| 19. | Projects Management | ESAMI-Uganda | 2013 |
| 20. | Feasibility Studies Analysis | ESAMI-Tanzania | 2015 |

1. **INTERNATIONAL CONFERENCES & SEMINARS ATTENDED:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S/N** | **SUBJECT** | **COUNTRY** | **YEAR** |
| 1. | UPDEA | Niger | 1998 |
| 2. | Renewable Energy | Sudan | 1999 |
| 3. | Contracts & Bidding  | Sudan | 2003 |
| 4. | 69th IEC General Conference | South Africa | 2005 |
| 5. | Distribution Planning | Sudan | 2005 |
| 6. | IEC Centenary Event | Kenya | 2006 |
| 7. | 72nd IEC General Conference | Brazil | 2008 |
| 8. | Rift Valley Energy Conference  | Ethiopia | 2013 |
| 9. | Climate Change Resilient on Infrastructure  | Ethiopia | 2015 |
| 10. | East African Power Industry Convention | Kenya | 2015 |
| 11. | Strategic Water Resources Analysis-(Nile Basin Initiative Programs) | Uganda | 2015 |
| 12. | Group Experts for Strategic Water Resources Utilization ENTRO Programs | Ethiopia | 2016 |
| 13. | African Utilities Week | South Africa | 2016 |

**Adequacy of the Assignment**

|  |  |
| --- | --- |
| **Detailed Tasks Assigned in the Team** | **References to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks** |

|  |  |
| --- | --- |
| **Activity 1:**General Project Management**:****TASK 1.1**Mobilization and Familiarization.**Task 1.2**Set-up of Project Team.**Task 1.3**Project Start-up Activities.Team Coordination and General Project Management Activities.**Activity 2:**Review of Design and Bid Documents.**Task 2.1**Collection and review of previous studies, reports and other available records.**Task 2.2**Detailed survey for 110kV Transmission line, 33kV, 11kV and Substations around Khartoum, and 132kV Transmission line, 33kV and Substations around Juba. **Task 2.3**Prepare Health & Safety Guidelines on Installation Works.**Task 2.4**Preparation of Environmental and Social Impact Assessment (ESIA) and Resettlement Action Plan (RAP) for 132kV, 110kV, 33kV, 11kV lines and Substations.**Task 2.5**Preparation of Bid Documents (Drawings, Bill of Quantities, Technical Schedules for Transmission and Distribution network).**Task 2.6**Preparation of course contents, structure of program, Training plan and schedule.**Task 2.7**Preparation of project budget and Construction Cost Estimate for individual components.**Task 2.8**Preparation of Pre-qualification Technical Selection Criteria.**Task 2.9**Preparation of Detailed Technical Specifications and Tender Documents for individual components.**Task 2.10**Incorporate and submit final bidding documents for individual components.**Activity 3:****Tendering and Contracting Process:****Task 3.1**Processing Bids invitation, Pre-bid meeting and site visits.**Task 3.2:**Attending to bidder’s queries.**Task 3.3:**Processing Tender Opening, Bid Evaluation and preparation of Evaluation Report.**Task 3.4:**Processing Pre-award contract Negotiations and preparation of the Contract documents.**Activity 4:****General Supervision of Supply, Installation and Commissioning.****Task 4.1**Preparation of a Detailed Control Programme for Project Implementation, Quality Management Plans (QMPs) and Train personnel in managing the QMPs.**Task 4.2**Review of Contractor’s Work Schedule, ESMPs, HSMP and HIV/AIDS Strategy and QAP and Risk Assessment and Mitigation Plan for all the Project Packages.**Task 4.3**Check and approve final surveys, detailed design and drawings submitted by the Contractor.**Task 4.4**Cash flow management, Cost control, Review and Certification of Contractor’s Claims and payment certificates.**Task 4.5**General contract supervision, managing Contractual matters and assisting contractors on interpretation of contract documents.**Task 4.6**Verification of Contractor’s Works progress to validate invoices and Payment Certification.**Task 4.7**Supervision, Monitoring and Reporting of works during Installations and Construction including issuance of Information, Notices and Instructions to the Contractors.**Task 4.8**Monitoring the provision formal training by contractors in accordance with the contracts.**Task 4.9**Assessing change/ variation orders and made recommendations to for approval.**Task 4.10**Supervising Contractors for ESMP and ESIA Implementation.**Activity 5:****Factory Acceptance Tests (FAT):****Task 5.1-2**Plan; attend FAT and preparation of FAT reports.**Activity 6:****Supervision and Commissioning and Tests on Completion.****Task 6.1**Preparation Testing and Commissioning Guidelines and Safety Procedures of the Project.**Task 6.2**Review the Contractor’s Schedule and Procedures for onsite Commissioning and Testing.**Task 6.3**Supervising the Testing and Commissioning of Works of individual Plant and Equipment.**Task 6.4**Preparation of Snag List and Review As Build Drawings, Operation and Maintenance Manuals.**Task 6.5**Carryout Final Inspection and Takeover.**Task 6.6**Review of As-Build Drawings as well asOperation and Maintenance Manuals.**Task 6.7**Coordinate the systematic closing out of construction contracts**.****Activity 7:****Training and Transfer of Knowledge:****Task 7.1**Transfer of knowledge related to the assignment through On Job Training.  | Eng. **Tom Remis** has more than 32 years of professional experience mainly working in power sector. 26 years of experience working with National Electricity` Corporation (NEC) in Sudan and 7 years with the Ministry of Energy and Dams in South Sudan. Extensively involved in Operation and Maintenance, Planning and Implementation Projects of Transmission Lines and Distribution networks, 11kV, 33kV, 110kV, 132kV including in charge of procurement, planning, Project/Contract Management, Bid Evaluation, Loan Negotiation, Contract Negotiation for procurement and consultancy services, coordination with consultants, contractors, and representatives of Loan agencies Afdb, WB (IDA), IFC, Kuwait Investment Fund, Supervision of construction and commissioning of projects. As Director General for Planning and Projects handled $167 Million Power Sector Project for Distribution system projects. Extensively dealt with the activities of Procurement and projects implementation contracts of Substations, Distribution Networks and Transmission lines.Produced highly technical project close out report.Below are just some of the projects that best illustrate my capabilities in handling the projects.1. **Name of the Project:**

River Nile State Transmission and Distribution System Project.2007-2010**Location**: Various Villages in the River Nile State- Sudan **Client**: National Electricity Corporation (NEC)-Sudan**Main Project Features**: Power Sector Project Loan from Kuwaiti Investment Fund for Transmission and Distribution System Project.**Position held**: Projects Manager**Assignment**: Project related activities for Distribution System. This included all activities starting with TOR for consultants, negotiations, and consultant appointment, procurement of goods and materials and implementation.Training of NEC Engineers and technicians on various equipment procured under this project.**Activities Performed:*** Preparation of Bidding Documents, Evaluation of Bids

for selection of International Consultants.* Evaluation of Bids for Award of contracts for materials and works of Distribution network MV Lines, Underground cables and Substations.
* Contract negotiations and Award of contracts.
* Pre-delivery inspection of materials, supervision of projects, shop inspection during manufacturing, acceptance and preparation of punch lists prior to acceptance. All other contractual obligations.
* Transfer of technology and training of engineers and technicians on new equipment and developments were also handled
* Variation orders, delay claims, penalties for late delivery, idle time claim, price escalation during the course of project for various reasons accommodated in the contract, were some of the issues handled as contract management duties.
* Part completion certificates, substantial completion certificates, punch lists and rectification of punch lists and final payments, retention of retention money and release thereof after final completion and lapse of appropriate time was normal contract management activity carried out during the project implementation.
1. **Name of Project:**

Electrification of un-electrified areas in the National Capital –Khartoum-SudanYear: 2004 to 2007**Location:** Khartoum/Omdurman/Khartoum North**Client:** National Electricity Corporation (NEC)-Sudan**Main Features of the Project:** Implementation ofElectrification programs including Procurement of Materialsand deployment of implementation teams and contractAdministration.**Position held:** Director for Distribution National Grid/Project Coordinator**Activities Performed:*** As the one in charge of the Distribution National Grid, I Was over all in charge of Project Implementation which included making Distribution Plans, Engineering, Design, developing Technical Specifications for Procurement of Equipment and Materials, Construction and Installation, Testing and Commissioning for various projects within NEC jurisdiction. To mention a few of such distribution projects, following is the brief narration.
1. Electrical Distribution Project for Damazin and Roseries

 Towns (Newly developed areas) in Blue Nile State. A population of nearly to 1 million inhabitants. I have worked from planning to  execution and providing connection to domestic, commercial,  small industrial consumers and street lighting.  ii. Electrical Distribution Project for Kosti and Rabak Towns (Newly  developed areas) in White Nile State. The tasks included planning, construction, providing connection to the consumers  and street lighting.iii. Electrical Distribution Project for Medani (Town Newly  developed areas) in Al-Jazeera State. I have worked from  planning to implantation and providing electrical connection to  domestic, commercial, small industrial consumers and street  lighting. areas) in Al-Jazeera State. I have worked from  planning to implantation and providing electrical connection to  domestic, commercial, small industrial consumers and street  lighting.iv. Electrical Distribution Project for AL-Obeid Town in Northern  Kordofan State. My Tasks included planning up to execution stage and electrical connection to domestic, commercial, small  industrial consumers and street lighting.v. Electrical Distribution Project for Khartoum State Ministry of  Physical infrastructure, the Ministry developed two phases for  Public estates in Khartoum Town for the population of 1.5  million inhabitants, three phases in Omdurman Town for 2  million inhabitants and two phases in Khartoum North Town for  1.8 inhabitants. My Tasks started from planning to  implementation and electrical connection to domestic,  commercial, small industrial consumers and street lighting.vi. Rehabilitation of Electrical Distribution Networks Project in  Khartoum, Omdurman and Khartoum North Towns and  included Re-rating, additional and Re-location of  distribution transformers, Resizing of the overhead conductors  and underground cables with construction of additional MV &  LV feeders. To reduce electrical losses and voltage drop,  attaining reliable and stable power supply. My main Tasks  started from planning to implementation and commissioning of  the project. 1. **Name of Project:**

Electrification of Renk TownYear: 2008 to 2009**Location: Renk** in Upper Nile State in South Sudan**Client:** South Sudan Electricity Corporation (SSEC)-South Sudan**Main Features of the Project:** Implementation ofElectrification programs including Procurement of Materialsand deployment of implementation teams and contractAdministration.**Position held:** Director for Distribution National Grid**Activities Performed:** I Was over all in charge of ProjectImplementation which included making Distribution Plans,Engineering, Design, developing Technical Specifications forProcurement of Equipment and Materials, Construction andInstallation, Testing and Commissioning of the project andproviding connection to domestic, commercial, small industrialconsumers and street lighting.1. **Name of Project:**

Electrification of Malakal TownYear: 2009 to 2010**Location:** Malakal**-**Upper Nile State in South Sudan**Client:** South Sudan Electricity Corporation (SSEC)-SouthSudan**Main Features of the Project:** Implementation ofElectrification programs including Procurement of Materialsand deployment of implementation teams and contractAdministration.**Position held:** Project Chief Engineer**Activities Performed:** I Was in charge of ProjectImplementation which included making Distribution Plans,Engineering, Design, developing Technical Specifications forProcurement of Equipment and Materials, Construction andInstallation, Testing and Commissioning of the project andproviding connection to domestic, commercial, small industrialconsumers and street lighting.1. **Name of Project:**

Electrification of Wau TownYear: 2007 to 2009**Location:** Wau- Bahr Gazal State in South Sudan**Client:** South Sudan Electricity Corporation (SSEC)-South Sudan**Main Features of the Project:** Implementation ofElectrification programs including Procurement of Materialsand deployment of implementation teams and contractAdministration.**Position held:** Project Chief Engineer**Activities Performed:** I Was over all in charge of ProjectImplementation which included making Distribution Plans,Engineering, Design, developing Technical Specifications forProcurement of Equipment and Materials, Construction andInstallation, Testing and Commissioning of the project andproviding connection to domestic, commercial, small industrialconsumers and street lighting.1. **Name of Project:**

Juba Power Distribution System Rehabilitation and ExpansionProjectYear: 20014 to 2017**Location:** Juba Jubek State - South Sudan**Client:** South Sudan Electricity Corporation (SSEC)-SouthSudan**Main Features of the Project:** Implementation ofRehabilitation of the old MV/LV distribution network andExpansion to electrified the new developed areas, includingProcurement of Materials and deployment of implementationteams and contract Administration.**Position held:** Project Coordinator/ Director General forPlanning and Projects.**Activities Performed:** I Was over all in charge of ProjectImplementation which included making Distribution Plans,Engineering, Design, developing Technical Specifications forProcurement of Equipment and Materials, Construction andInstallation, Testing and Commissioning of the project andproviding connection to domestic, commercial, small industrialconsumers and street lighting.1. **Name of Project:**

South Sudan Energy Master Plan Project (Least Cost EnergyInvestment Plan Project)Year: 2014 to 2016**Location:** South Sudan**Client:** Ministry of Energy and Dams -South Sudan**Main Features of the Project:** Planning for Least Cost EnergyInvestment, Capacity Building and Implementation of PilotProject of installation of smart meters. **Position held:** Project Coordinator/ Director General forPlanning and Projects.**Activities Performed:** I Was over all in charge of ProjectImplementation, which included recruitment of Least CostTechnical energy Investment Expert, Procurement, FinancialSpecialists and Strategic Environmental and Social ImpactAssessment Firm. Preparation of Project Operational Manual,Installation of 2000 smart meters as a pilot Project. By theCoordination with the World Bank, various Training programswere implemented in Power Planning, Project Management,Financial and Procurement Management, Monitoring andEvaluation, Contract Negotiations and Environmental Studies, good number of South Sudanese staff were trained in Kenya,Uganda, Zambia,Tanzania and South Africa.     |