

R. VIMALKUMAR, APM (IIM-Vizag), PMP®, B.Eng., MBA (IBM), FIE, C.Eng.

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To leverage over **20 years of experience** in Electrical Project Management and Testing & Commissioning, demonstrating expertise in overseeing the planning, execution, and completion of projects within budget and timeline constraints. Committed to ensuring compliance with industry standards, safety regulations, and quality assurance measures. Skilled in interfacing with stakeholders, managing project teams, and resolving complex technical challenges. Seeking a challenging role in electrical project management where I can apply my technical acumen, leadership skills, and problem-solving abilities to drive project success and contribute to organizational growth.

EXECUTIVE SUMMARY

- ☑ A seasoned professional, adeptly combining roles as a Project Manager and Senior Principal Engineer, with **two decades of extensive experience**. Specializing in comprehensive project planning and management, proficiently overseeing Interface, Risk, and Quality Management. Skilled in conducting thorough Safety Audits and ensuring adherence to stringent quality assurance standards. Demonstrated expertise spans across the design, installation, testing, commissioning, and maintenance phases of diverse projects, including Electrical Transmission and Distribution Networks, Refinery, Upstream and Downstream Oil and Gas facilities, as well as Traction Power and Electrical Traction Systems encompassing both AC and DC technologies. Proficient in managing Remote Terminal Units (RTU), Distributed Control Systems (DCS), and Supervisory Control and Data Acquisition (SCADA) systems, ensuring seamless integration and operational efficiency..

SKILLS

- ✓ **Project Planning and Execution:** Expertise in developing comprehensive project plans, defining project scope, milestones, and deliverables. Proficient in managing project resources, timelines, and budgets to ensure successful project execution.
- ✓ **Team Leadership and Collaboration:** Strong leadership skills to inspire and motivate cross-functional teams. Proven ability to foster a collaborative work environment, promote effective communication, and build strong relationships with stakeholders at all levels.
- ✓ **Risk Management:** Skilled in identifying, assessing, and mitigating project risks. Experience in developing contingency plans and implementing risk mitigation strategies to minimize project disruptions.
- ✓ **Stakeholder Management:** Exceptional stakeholder management skills to effectively communicate project status, manage expectations, and resolve conflicts. Able to build and maintain positive relationships with clients, executives, team members, and external vendors.
- ✓ **Problem-Solving and Decision Making:** Proficient in analyzing complex problems, developing creative solutions, and making informed decisions. Ability to adapt to changing circumstances and implement strategies to overcome project challenges.

EDUCATION AND PROFESSIONAL STATUS

- **Advance Project Management by Indian Institute of Management (IIM-Vizag)** in 2024 (Expected Completion: Jun'2024 (In Pursuit)).
- **Project Management Professional (PMP ®)** by Project Management institute in 2023.
- **Master of Business Administration (MBA) in International Business Management (2Yrs.)** University of Madras, Chennai, India in 2013.
- **Bachelor of Engineering (B.E) in Electrical & Electronics Engg (4 Yrs.)**, University of Madras, Chennai, India in 2004.
- **Certified Chartered Engineer (Electrical Engg.)**, Institution of Engineers, India from 2014.
- **Registered Engineer (Electrical Engg.)**, Saudi Counsel of Engineers, KSA from 2016
- **Member in Institution of Engineers**, India from 2014.
- **Fellow in Institution of Engineers**, India from 2022. , **India**

TRAINING AND SKILLS

- ☑ **Project Management, PMI**, Chennai chapter + Anna Institute of Management, India.
- ☑ **Contracts Management, MSME**, Gov. of India, Chennai, India.
- ☑ **Project Safety Management, ABB**, Dubai, U.A.E.
- ☑ **Electrical Safety Audit Practices, Bloom Asia**, Mumbai, India.
- ☑ **Arbitration Practice Step by Step, Indian Institution of Technical Arbitrators**, Chennai chapter, India.
- ☑ **LCP (Leadership Challenging Program)**, ABB, Dubai, U.A.E.
- ☑ **OECD Anti-Bribery code of conduct course**, ABB, Dubai, U.A.E.
- ☑ **Trends in Substation Automation – IEC61850, CPRI**, Gov. of India, Bangalore, India.
- ☑ **Certificate Course in Protection & Substation Automation** like RE670 protection & Control IED with PCM600 toolbox, Integration for Substation Automation Systems & IEC61850 for Substation Automation, **ABB University, Switzerland**.
- ☑ **Configuration of ABB relays for REX, RET, REC, REF, REL ABB series using CAP 505 and CAP2/316 configuration tool**, **ABB, Sweden**.
- ☑ **Configuration and established communication of ABB Micro SCADA using LON Works, ABB SPA, IEC101, IEC103 protocols and 61850 protocols**, ABB, Dubai, U.A.E.
- ☑ **Configuration and established communication of Rugged COM Ethernet Switches**, **ABB, Egypt**.
- ☑ **Handling knowledge of HMI (Human Machine Interface) & working with Micro SCADA**, ABB, Dubai, U.A.E.
- ☑ **Step by step procedure for Installation, Testing & Commissioning & Maintenance of SIEMENS Step7& VISCOS RSC Software, WinCC used in SCADA & RTU's**, SIEMENS, India.
- ☑ **Documentum & DomDoc (Document management system)**, CMRL, India.

AWARDS

- **Award for Meritorious Service with cash award**, Chennai Metro Rail Ltd, Chennai, India in 2014.
- **Award for Meritorious Service with cash award**, Chennai Metro Rail Ltd, Chennai, India in 2015.

CAREER GRAPH

- Jun'2023 to Till Now. - M/s. **EEPL**, Power System Projects division, **Chennai, India**.
Position Held: **Project Manager (Special Projects)**.
Project: **Non-Government & Government** Special Projects across India.
- Dec'2018 to May'2023. - M/s. **MEIDEN Singapore Pte Ltd (A Japanese Company)**, Railway Engineering & Commissioning division, **Singapore**.
Position Held: **Sr. Principal Engr / Site Testing & Commissioning Manager**.
Project: **LTA MRT, NSEW Line Metro Rail Power supply** Upgradation Project, Singapore.
- May'2017 to May'2018 - M/s. **Ansaldo STS**, A **Hitachi** Group Company, PS & TP, Engineering & Commissioning – Operations Unit, **Riyadh, KSA**.
Position Held: **Pr. Power Supply Engineer (Traction Power, Power Supply & SCADA)**
Project: **Riyadh Metro** Phase-3 Project, KSA.
- Feb'2016 to May'2017 - M/s. **ABB Automation & Controls Ltd**, Power System Automation division, **Riyadh, KSA**.
Position Held: **Sr. Lead Commissioning Engineer (Power System & Automation)**
Project: Various **Saudi Electricity Board S/S (380/132/33/13.8 kV)** Projects, KSA.
- Jul'2015 to Jan'2016 & Jun'2018 to Nov'2018 - M/s. **IPD&S Pvt Ltd**, Power Projects division, **Chennai, India**.
Position Held: **Dy. General Manager (Power Projects)** (Freelancer)
Project: Various **Tamilnadu Electricity Board S/S (110/33/11 kV)** Projects, India.
- May'2012 To Jun'2015 - M/s. **CHENNAI METRO RAIL LTD (CMRL)**., (Joint venture of Govt. of India & Govt. of Tamilnadu), Electrical Power supply & Traction div, Chennai, India.
Position Held: **Manager - Power Supply & SCADA**
Project: **Chennai Metro** Phase-I Project, Chennai, India
- Mar'2010 to May'2012 - M/s. **ABB Global Industries & Services LTD.**, Power System – Engineering division, Chennai, India.
Position Held: **Sr. Design Expert (Sec. Power Systems & SCADA)**
Project: Various **Bahrain Electricity Board S/S (220/66/21/11 kV)** Projects, Bahrain.
- Mar'2007 to Mar'2010 - M/s. **ABB Industries LLC**, Power System division, Dubai, U.A.E
Position Held: **Sr. Lead Testing and Commissioning Engineer (SCADA & Power System)**
Project: **LTA, Dubai Metro** Phase-I Project & Various **Dubai Electricity Board S/S (132/11 kV)** Projects, Dubai, U.A.E.
- Dec'2005 to Feb'2007 - M/s. **SIEMENS Pak Engg. Co. LLC**, Power Transmission & Distribution division, Dubai, U.A.E.
Position Held: **Testing and Commissioning Engineer (Power System & SCADA Support)**
Project: Various **Dubai Electricity Board S/S (132/11 kV)** Projects, Dubai, U.A.E.

- May'2004 to Dec'2005 - M/s. **Energy System International Design & Services Pvt Ltd**, Power System – T & C division, Chennai, India.
Position Held: **Junior Testing and Commissioning Engineer (Power System)**
Project: Various **Metro Rail, Electricity Board, Power Plant, Data Center & Refinery** Projects, India.

WORK NATURE

- ✓ Collaborating with internal and external stakeholders to gather project requirements
- ✓ Determining human capital project needs
- ✓ Estimating project budget and overseeing the budget throughout the project lifecycle
- ✓ Ensuring compliance with industry and government regulations
- ✓ Tracking project timelines, deliverables, and budget management
- ✓ Assessing project risk and proactively resolving issues
- ✓ Facilitating team meetings and following up on action items
- ✓ Defining project scope and objectives, involving all relevant stakeholders and ensuring technical feasibility
- ✓ Ensure resource availability and allocation
- ✓ Perform risk management to minimize project risks
- ✓ Present reports to stakeholders on progress as well as problems and solutions
- ✓ Implement and manage change when necessary to meet project outputs
- ✓ Manage project risks, including the development of contingency plans
- ✓ Manage changes to the project scope, project schedule and project expenses
- ✓ Monitored projects overall progress and use of resources, initiating corrective action where necessary
- ✓ Report and escalate to management as needed
- ✓ Maintaining an awareness of potential interdependencies with other projects and their impact
- ✓ Identify and obtaining support and advice required for the management, planning, and control of the project
- ✓ Create and maintain comprehensive project documentation
- ✓ Conduct project evaluation reviews to assess how well the projects are managed
- ✓ Preparing any follow-on action recommendations
- ✓ Delegate project tasks based on junior staff members' strengths, skill sets, and experience
- ✓ Attend conferences and training as required to maintain proficiency
- ✓ Perform other related duties as assigned
- ✓ Develop spreadsheets, diagrams and process maps to document project needs
- ✓ Carrying out vendor drawing review and approval of vendors/contractors drawings/technical documents for 110 kV GIS (Switchgear), 33 kV AIS (Switchgear), Auxiliary Power Transformer (Oil Type), Traction Transformer (Oil Type), 25 kV GIS (Switchgear), MAST, Auxiliary Power Transformer (dry Type), EOT Crane, 110kV, 33kV 25 kV& Control Cables, DG Set (Diesel Generators), Battery & Battery Charger, DCDB, Contact wire, NGR (Neutral Grounding Resistors), 110 kV LA & 42 kV LA, CD insulators, Wheel tensioning device, ASNS, FOCS, Aerial Earth Wire, 25 kV Isolators, 25 kV Section Insulators, Tank protection CT, SCADA, A/C units, substation building and other associated industrial / hazardous electrical equipment.
- ✓ Design verification, Vendor Approval, Erection, Testing & Commissioning of Electrical Traction System s (25kV AC & 750V DC), Receiving Sub-Station's (220/110kV), Depot Aux. Sub-Station's (110/33/25kV), Station Aux. Sub-Station's (33/0.415kV), LT Switchgear, RTU's, RPU's, PLC's, Power SCADA, Traction SCADA, Ventilation & Air-conditioning SCADA, Mechanical-Electrical-Plumbing SCADA (BMS System) & Tunnel Ventilation System SCADA Equipment's.
- ✓ Traction Power Supply system & Electrical Traction System (both AC & DC) Component selection, Equipment Sizing & System studies.

- ✓ In depth knowledge in DC & AC Power Distribution System & its utility interconnection requirements Designing & Study of DC Traction (3rd Rail System) Power system like Traction load calculations, Harmonics Study, Stray Current Calculations, Touch & Over voltage protection calculations
- ✓ Knowledge in DC & AC Traction Power System Grounding studies like Equipment and System grounding, Rail Potential, Negative Grounding devices & Stray Current.
- ✓ In depth knowledge in Power & Traction SCADA Systems design and Way side energy storage system design.
- ✓ Provide advice and approvals on Electrical Traction and Power system & SCADA Systems technical issues related to design review and compliance with the specifications. Managing the Electrical & SCADA aspects of projects, both from a technical and managerial perspective.
- ✓ Experience in Smart Grid, Solar, SCADA - (EMS, DMS, OMS)/PLC/HMI/RTU design and implementation, SCADA/RTU/IED configuration and testing, real time system for control & processing with core skills in areas of SCADA, Substation Automation System, DCS integration, BMS, BAS, DAS and Industrial Networking (OSI Model Reference - 7 Layers), Cyber Security (NERC-CIP), IT-OT Security (IEC 62443) & ISO 27001, remote monitoring, M2M and IoT, AMI / AMR.
- ✓ Working knowledge and implementation experience in RAMS of T&D network, RTU and SCADA systems.
- ✓ Designing & Study of AC Traction (OHE - FOCS & ROCS) Power system like Load flow calculation, Interference and induction study, Traction supply feeding method study like Booster Transformer feed, Direct feed, Auto transformer (AT) feed and Co-axial cable feed studies
- ✓ Track Electrification system studies using Overhead catenary system, Rigid Conductor System, 3rd Rail System & Track Embedded Coil
- ✓ Prepare Overhead Contact Systems & 3rd Rail System Construction, Operation & Maintenance manuals & procedures.
- ✓ Design review of DC Traction Power Substation equipment like Rectifier transformers, Rectifier/converter, Inverters, AC/DC Switchgears, Protection and Control & Utility Interfaces.
- ✓ Knowledge in Load Flow Simulation modeling like Vehicle modeling, Corridor modeling, Rectifier modeling & Rail Potential modeling using Simulink s/w.
- ✓ Design & Study of DC Traction (3rd Rail System) Power Distribution system like Wire and cable current-carrying capacity, Traction power cable systems, Contact rail systems & Raceway systems.
- ✓ Working experience in communication protocols like IEC 61870-5-104/103/101, 61850, DNP 3, Modbus, ABB Proprietary like Indactive 2033, WISP+, SPA Bus, RP 570/71, MQTT, HTTP, HTTPS and Industrial Networking protocols (Switching & Routing with OSI Model Reference.
- ✓ Working knowledge and implementation experience in RAMS of T&D network, RTU and SCADA systems.
- ✓ Ensuring Electrical Safety standards like IS, IEEE, IEC, EN, NFPA (national fire prot. association) 70 NEC (national electric code), ANSI, AEEE C2 NESC (National Electrical Safety Code), NEMA (national electrical manufacturer association), NACE (National Association of Corrosion Engineers) and (ISO 9001) in industrial electrical power distribution and control systems.
- ✓ Provide technical support to site, project team, maintenance department and independently handle electrical works as Job officer covering all aspects of engineering activities in my discipline for the variety of small and large project works.
- ✓ Provide assistance to the Job officer in defining the electrical requirements and in the performance of electrical engineering for the assigned works till execution of job.
- ✓ Participate in site surveys of existing facilities to establish and identify the actual requirements for assessment and approval of best initiatives, study assessments and facility changes.
- ✓ Participate in monitoring and reviewing engineering design carried out by Consultant / Engineering Companies including feasibility, conceptual, basic and detailed engineering.
- ✓ Coordinate with other discipline engineers including planning, HSE, costing etc during the development of the engineering & site works, to ensure conformity of engineering with end user's requirements.

- ✓ Prepare technical documents including equipment data sheets, scope of work, documentation requirements, testing and commissioning requirement.
- ✓ Preparing technical and cost proposals.
- ✓ Carry out technical bid evaluations, response to various technical queries, assessment of bid documents for services and material required for the works. Participate in the clarification meetings with contractors and Vendors to ensure compliance with technical specifications & requirements. Provide technical evaluation reports and recommendations for order placement.
- ✓ Preparing engineering packages for upgrading, replacement and modification of electrical equipment comprising scope of work, data sheets, MTO, cable schedules, tie-in schedules and various layout drawings.
- ✓ Preparing engineering packages, SOW for Procurement, SOP & Construction works for various packages units such as Receiving end substations, Auxiliary main substation, Auxiliary substation, DC Traction & Traction Over Head Equipment's (OHE) units, etc.,
- ✓ Developing electrical engineering calculations such as short circuit levels, voltage drop calculations for motor starting, Transformer, DC & AC UPS system sizing, lighting, cable ampacity calculations and relay setting calculations / curves etc.
- ✓ Developing single line diagrams, schematic diagrams, trouble-shooting diagrams, Cable routing, earthing and lighting layouts and hazardous area classification documents.
- ✓ Performing Interface with associated system such as RST, Track, 3rd Rail, Communication, Signaling, OCC, Architecture and Civil work
- ✓ Performing adequacy check for existing electrical panels and sizing calculations for existing cables and power feeders.
- ✓ Developing mathematical models & Experience in electrified railway substation and power distribution systems designs
- ✓ Providing technical guidance with emphasis on Traction Power Supply and training staff (Power/Electrical Technicians etc.)
- ✓ Review FAT / SAT procedures, witnessing tests, installation, testing, commissioning at site, AS BUILT documents and identifying spare parts requirement.
- ✓ Review of complete documentation packages for project, including design, as-built, O&M manuals etc., which are needed for installation and commissioning guides.
- ✓ Participating in interdisciplinary design teams and reviews
- ✓ Prepare / assist in project close out reports / issue of FAC/PAC to contractor
- ✓ Preparation and interpret of all Protection related base design documents for including SLD, Relay coordination, Relaying and Metering One line/Three-line logic Diagram, Interconnection schedule, Interlock/Trip Logic diagrams, CT/VT Calculations, Signal Lists of SCADA, RTU, Event and Fault recorder, etc.
- ✓ Having knowledge of designing software like AutoCAD & ETAP.
- ✓ Ordering/Procuring maintenance tools/equipment's as per the organization standards.
- ✓ Interpreting and ensuring the site installation drawing/ T&C plans/procedures/method statements.
- ✓ Creating standard handling/Isolation procedure related to operation and maintenance.
- ✓ Training subordinates team members and knowledge sharing of maintenance/testing activity.
- ✓ Complying company HSE regulations and conducting group safety meeting/toolbox talk.
- ✓ Immediate fault diagnoses through ensure proper functioning of switchboard, Alarm system, Alternators, Motors, lighting system.
- ✓ Experience includes implementation of KPI's and Strategic planning.
- ✓ Asset management. Experience in handling risk registers and hazard log maintenance.
- ✓ Good communication skills within organization, Consultants, Contractors and Clients.
- ✓ Planning of Substation/Power plant testing and commissioning activities & Manpower control.
- ✓ Hands on experience in Configuration, Testing & Commissioning of Protection relays.
- ✓ Supervision & Commissioning of DCS, SCADA, RTU, PLCC Communication devices.
- ✓ Commissioning supervision at new ongoing substations, Co-ordination work with Subcontractors and vendors and field commissioning engineer.
- ✓ Reviewing and commenting all base design documents for Traction systems/GIS/Switchyard

- equipment's Switchgear, Power Transformer and for complete Control and protection systems.
- ✓ Preparing Complete Interfacings of Switchgears, Control and Protection Panels.
 - ✓ Preparation of complete design modification at remote end Substations for incorporating new relays with new scheme to match with new main Substation.
 - ✓ Following and creating SOP and Rule book related to Operation and Maintenance.
 - ✓ SAP entry for work completion and Planning for Maintenance activity.
 - ✓ Maintaining the RAMS in Power Supply and Electromechanical equipment's.
 - ✓ Commissioning of Substation load shedding system (Frequency depending).
 - ✓ OHSAS 18001 / ISO 9001 audit carried out at internal organization.
 - ✓ Knowledge in IEC61850, SPA Communication protocol, Goosing between relays.
 - ✓ Testing & Commissioning, trouble shooting of Generator Protection relays (Upto 500MW Generator) – ABB and Siemens make relays REG670 & 7UM62
 - ✓ Design, Testing & Commissioning, trouble shooting of various Control and Protection Schemes (Like - 1 ½ Breaker Scheme, Two Bus, Two Bus with Transfer Bus scheme, Single Bus, Single Bus with Transfer Schemes etc.).
 - ✓ CB online/Manual PD monitoring and Bus bar, HV test of power cables, Switchgears and bus bars.

OVERSEAS PROJECT EXPOSURE

- ❖ **Singapore Metro Rail:** North-South Line (Red Line) – **27 Stations**, East-West Line (Green Line) – **35 Stations**, Online Stations (NSEW Line) – **15 Stations & 750V DC Third Rail** System works at **Singapore MRT**, LTA, NSEW Line Metro Rail Power Supply upgradation Project, Singapore.
- ❖ **Riyadh Metro Rail:** Depots – **3 Stations**, **2 OCC SCADA** Systems, Lighting Power Station (LPS)-**24 No's**, Traction Power Station (TPS)-**18No's**, **41Kms of 750V DC Third Rail** System works & **OCC SCADA** systems at **Riyadh Metro** Phase-3 Project, Orange Line, Riyadh, KSA.
- ❖ **Dubai Metro Rail:** **2 No's** of 132/33kV: Receiving Substation (**MPS**) at Jebel Ali & Deira Dubai S/S, Dubai Metro Project, LTA, Dubai, UAE.
- ❖ **132/11kV GIS SS:** Ahamadia, AlFahidi, Dubai Health Care City, Burj Dubai-II, Dubai Mall, Dragon Mall, Gardens of Paradise, Dubai Investment Park-I, Dubai Festival City-II, Maha, International Media Production Zone, Silicon Oasis, Baraha, WARQA, Business Bay, Burj Residence, SEEF, DIWL, BARS, MZHR, TCRA at **DEWA**, Dubai, U.A.E.
- ❖ **132/11kV GIS SS:** DEMA ISLAND, RAHA BEACH-B & **33/11kV GIS SS**, MADINAT ZAYAD, Abu Dhabi, U.A.E.
- ❖ **220/66/21/11kV GIS SS:** Bahrain Financial Harbor, Dahiyat Al Sheef, Marsha Al Bahrain, Isa Town North, Diyar Al Muharraq, Addur, Riff'a, Um Al Hassam, Amwaj, Madinat Hamad at **Bahrain Electricity Board**, Kingdom of Bahrain.
- ❖ **380/132/33kV:** Wadd-al-shammal BSP, Tabarjal BSP, KSA
- ❖ **132/33/13.8kV:** Tabarjal S/S, Tabarjal, KSA
- ❖ **132/13.8kV:** Al-Kharj S/S (8715), Al-Kharj, KSA

INDIA PROJECT EXPOSURE

- ❖ **Chennai Metro Rail:** 3 No's of 110/33/25kV Receiving Substation (RSS), 3 No's of 33kV Aux. Main Substation (AMS), 32 No's of 33kV Aux. Substation (ASS), 54Kms of 25kV OHE works, Power SCADA, Traction SCADA, VAC SCADA, MEP SCADA (BMS) & TVS SCADA works at CMRL, Chennai, India.
- ❖ **Delhi Metro Rail:** 25 KV S/S, Delhi Metro Rail Corporation – Line-3 Project, New Delhi, India.
- ❖ **Indian oil corporation Ltd.**, (Refinery project work), Panipat, India.
- ❖ **ONGC – ABAN LOYDS CHILLS PVT LTD.**, (Downstream Oil rig), Bombay high, India.
- ❖ Combined cycle power plant, Karupur, Mayavaram, Tamilnadu, India.
- ❖ North Delhi power limited, 33/11kV S/S, Ramapura, Delhi, India.
- ❖ 220/110/66/33KV SS, MRS, Shimogoa, Karnataka, India.
- ❖ 110/11 KV SS, Tiptur, Karnataka, India.
- ❖ Vensure Power Systems (Balmer Lawrie), MEPZ, Thambaram, Chennai, India.
- ❖ 6.6 KV S/S, Chennai Petroleum Corp. Ltd., Manali, Chennai, India.
- ❖ 33/11kV S/S, HSBC Building, Hitech city, Hyderabad, Andhra Pradesh, India.
- ❖ 132/11kV S/S, Hindustan Aeronautics Ltd, Sunabeda, Orissa, India.
- ❖ 110/11kV SS, KSEB, Malankara Hydro Power Project (50MWx3), Thodhupuzha, Kerala.
- ❖ 110/11kV GIS Substation, Chennai, TNEB, Chennai, India.
- ❖ 33/11kV GIS Substation, Chennai, TNEB, Chennai, India.
- ❖ 110/11kV GIS Substation, BHEL, Trichy, India.
- ❖ 5MW solar Power Plant, Sivagangai, India

PROTECTION RELAY EXPOSURE

- **ABB** Make - REG670, REL670, RET670, REC670, REB500 & 670
- **Siemens** Make - 7SA522, 7SD522, 7UT5131, 7SJ600
- **Alstom/Areva** Make - P545, P633, P943, P127, P122, P220, MFAC
- **Esun Reyrole** Make - MIT114, MIT121, MIT131
- **Alstom/Siemens/ABB/Vatech** Make – Auxiliary & Backup Prot. Relays.

TESTING KIT EXPOSURE

- **Secondary Injection Kit** - Freja 300, Omicron, ISA, Doble, Sverker760
- **CT, VT, Power Transformer Testing Kit** - CPC 100
- **CB Analyzer** - Programma TM1600, CBT 400, CIBANU500
- **Primary Injection kit** - Programma, Megger
- **AC, DC Hipot Kit** – Direct/Variable Frequency method
- **Contact Resistance Kit**
- **Dilo Gas Filling Machines**

TECHNICAL EXPERTISE & IT-SKILLS

Technology	: RTUtil 560, MultiProg WT (PLC), ABB 800XA, Control Builder, Network Manager, MicroSCADA Pro SYS, PCM 600, IET, ITT Synthesizer, ZENON SCADA, Automation Builder, Schneider PLC (Unity PRO, TWIDO), winCC.
SCADA Communication Protocols	: OPC, IEC-60870-5-104/ 101/ 103, IEC-61850, IEC-61850-9-3, DNP3TCP-IP/ Serial, ABB Indactive 2033, WISP+, Modbus TCP-IP/ Serial, RP570/571.
Internet Protocols	: MQTT, HTTP, HTTPS
Networking Protocols	: STP, RSTP, eRSTP, ROSSTP, Bridging, VLAN, GVRP, LACP, Telnet, IPv4, IPv6, Subnetting, NTP, SNTP, VRRP, Link State Protocols, Path Vector Protocols, IGP/EGP
Protocol Simulators	: ASE2000, COMPORT ware, LIONDOS, SAT Protocol System, AXON, Q-Tester, Wireshark.
SAP	: ERP 6.0 Production.
Packages	: MS-Office (Word, Excel, Power point, Outlook).
Other Skills	: AutoCAD 2014.
Web designing tools	: HTML.
Operating system	: Windows 98/ 2000/ XP/ Vista/ 7/ 8/ 10, MS-DOS.

REFERENCE (PP DETAILS)

Passport Number: **X9444177** Issued Date: 02/08/2023
 Expiry Date: 01/08/2033 Issued Place: Coimbatore

LANGUAGE CAPABILITY

Tamil: **Read; Write; Speak – fluent (Mother Tongue)**
 English: **Read; Write; Speak – fluent**
 Hindi, Kannada & Malayalam: **Spoken – fluent**

REFERENCES

References available upon your request.