**ARUN KUMAR J**

**Current Location :** Qarn Alam – Sultanaet Of Oman

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**Lead Testing and Commissioning Engineer – 6 Years**

**Snapshot:** Solutions focused, meticulous and results-oriented **B.E (Electronics & Instrumentation Engineering)** Professional offering **6 years** of successful career distinguished by commended performance and proven results

*Proactive decision maker, targeting challenging assignments with a well established and globally reputed organization, bringing the following transferable strengths:*

Planning & Analysis

Testing & Commissioning

Troubleshooting & Servicing

Designing & Programing

Operations & Maintenance

Relationship Management

* Extended expertise in understanding the process, understand operations sequences, process parameters required to achieve quality characteristics
* Recognized as a hands-on, proactive professional who can rapidly identify problems, formulate tactical plans, initiate change and implement effective programs in challenging and diverse environments
* Strong analytical and problem-solving skills, effective written and verbal communication skills, interpersonal skills, organizational and multi-tasking skills

**Competency Matrix**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Testing of:
  + Numerical Relays (Alstom, Siemens, Schneider, SEL, & GE)
  + Gas Insulated Switch Gears (Siemens, Alstom, & Hyosung)
  + Circuit Breakers (Tamco, Siemens, Schneider, L&T, ABB, & GE)
  + CT’s, VT’s and Meters
  + Operation of Control & Protection Panels (Hyosung, Siemens, Alstom, ABB, & Schneider)
* Retrofitting of:
  + Distance Protection Relays (ABB REL 670, Alstom P444, P442, GE D60)
  + Generator Protection Relays (Alstom MiCOM P343)
  + Differential Protection Relays (Alstom 643, P645, Siprotech 7UT613)
  + Motor, Over Current & E/F Protection Relays (Alstom P141, P441 etc.)
* Commissioning of:
  + GIS substation 220/132/66/11kV, 132/66/11kV, 66/11kV voltage levels
  + Switch gears (SIEMENS & TAMCO) & Transformers (ABB, ALSTOM etc.) 11kV/415V voltage level
  + Local Control Panels of SIEMENS, HYO SUNG, ABB & ALSTOM
  + Protection Panels of SIEMENS, ABB, SCHNEIDER & ALSTOM
* Programming of:
  + ALSTOM & SCHNEIDER Numerical Relays by Using **MiCOM S1 Studio & Agile** software tool
  + SIEMENS Numerical Relays by Using **DIGSI** software tool
  + SEL Numerical Relays by Using **AcSELerator** software tool
  + GE Numerical Relays by Using **EnerVista** software tool
  + ABB Numerical Relays by Using **PCM600** software tool
* Designing & Modifying of:
  + ABB, ALSTOM, SCHNEIDER&SIEMENS Schematic Drawings by using AUTOCAD 2010 & 2007
* Troubleshooting & Servicing of:
  + Electromechanical Relays – Disk & Armature type (English Electric Make)
  + Static Relays (GEC ALSTOM & ABB)
  + Numerical Relays (Alstom, Schneider)
* Handling activities which involves Firmware & Software up gradation of the relays, refurbishment of old electromechanical relays by new numerical relays.

**Professional Experience**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Role** | **Organization** | **Duration** |
| Lead T & C Engineer | Arabian Gulf Power Gain Technical Services LLC, Dubai | Feb’16 - Present |
| Lead T & C Engineer | Digital Energy Engineering Services Wll, Qatar | Apr ‘13 – Feb ‘16 |
| Field Service Engineer | M/s Electromek Engineers, New Delhi | May ‘11 – Apr ‘13 |
| Maintenance Supervisor | Armstrong Spinning Mills P Ltd | May ‘07 – July ‘08 |

**Key Deliverables:**

* Vital role in identifying areas of obstruction/breakdowns and implement effective steps to rectify the equipment through application of troubleshooting tools
* Accountable for implementing the corrective action plan improvements projects
* Spearhead, mentor & oversee the performance of team members to ensure efficiency in process operations and meeting of production targets
* Strategize and sustain a dynamic environment that fosters development opportunities and motivates high performance amongst team members
* Plan and formulate predictive & preventive maintenance schedules for various equipment to increase machine uptime & equipment reliability
* Implement maintenance schedules and carrying out periodic checks to ensure performance & maintaining requisite documents for the same
* Anchoring testing & commissioning activities for ensuring completion of work within time & cost parameters and utilizing resources to maximize output

**Noteworthy Credits:**

* **LOA Permit (Limitation Of Access)** holder in EWA – Baharain, ID 717
* Approved by ESB International, Mott Mac Donald, Energo project &Lahmeyer Consultants for all the testing activities up to 220kV voltage level in Kahrama Phase 10, and Phase 11 projects
* Effectively handled more than hundred retrofitting in a year for Power Grid Corporation of India Limited
* Acknowledged with the sponsorship for engineering project from Tamilnadu Science Council in the year 2011

**Credentials**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Professional:**

* **B.E (Electronics & Instrumentation Engineering)** from Bharath Niketan Engineering College in 2011 with 72%
* **Diploma (Electrical & Electronics)** from Latha Madhavan Polytechnic College in 2007 with 84%

**Software Tools Proficiency:**

* Alstom MiCOM S1 Studio &Agile
* Siemens DIGSI
* SEL AcSELerator & GE Enervista
* Omicron’s Test Universe, Primary Test Manager &Relay SIM test manager.
* AutoCAD 2007 & 2010

**Test Kits Exposure:**

* ZFP & CFP
* Omicron CMC 156, 256, 356,
* Omicron CT Analyser and CPC 100
* Ponovo Power Test-PW636i-R
* MEGGER FREJA 300, 306
* 1ph Secondary injection kit - Sverker
* Primary Current Injection unit - ODENA
* 3pole & 4 pole multifunction CB Analyser - Scope & EGLE
* Advanced 3pole & 4 pole multifunction CB Analyser - Omicron Cibano500
* Advanced VT Analyser kit - Omicron Votano 100

**Personal Minutiae**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date of Birth:** 16th January, 1989

**Languages Known:** Tamil English, and Hindi

**Mailing Address:** 10B/A1 Mela Ponnagaram 10th Street, Madurai – 625 016

**Passport No:**  J8813710 (Date of Expiry: 03/10/2021)

**GCC Driving License**: 28935617229 Valid Upto: 23-06-2020

**ANNEXURE --- Project Handled**

Title: SNGP Project – PDO – Qarn Alam, Sultanate of Oman

Period: July’16 to Present

Details: Testing and commissioning of distribution Substations of Gas Plant.

Title: 66kV/11kV Sub Stations, EWA – Kingdom of Bahrain

Period: Feb’16 to July’16

Details: Retrofitting of 11kV Load Sheeding Under Freq & Under Volt Protection Relays (Alstom alais GE).

Title: 66kV/11kV AL Kheesha South Sub Station, Qatar

Period: Jan’15 to Feb 16

Details: Testing & commissioning of 132kV GIS, 11kV Switch gear, and LV Boards.

Title: 66kV/11kV Doha Festival City Sub Station, Qatar

Period: Sep’15 to Jan 16

Details: Testing & commissioning of 66kV GIS, 11kV Switch gear and LV Boards.

Title: 33/11kV Substations -QSTEC, Razlafan - Qatar

Period: June’15 to August 15

Details: Testing & commissioning of 33/11kV transformers, 33kV & 11kV Switch gears, Protection Relays and

LV Boards.

Title: 132kV/11kV Umm Salal Central Sub Station, Qatar

Period: Feb’15 to June’15

Details: Testing & commissioning of 132kV GIS, 11kV Switch gear and LV Boards.

Title: 33kV Sub Station Occidental of Oman Inc, Muhazina-Oman

Period: Dec’14 to Jan’15

Details: Retrofitting and Testing of CT’s and Feeder Protection Relays

Title: 11kV/415V Sub Station Qatar Petroleum, Qatar

Period: Oct’14 to Nov, 14

Details: Testing & commissioning of L&T LV Panels and SEL Numeric relays

Title: 11kV/415V Sub Station Lusil City Development, Qatar

Period: Sep’14 to Oct 14

Details: Testing & commissioning of Schneider Electric make LV panels

Title: 66/11kV Kahrama Sub Station Mesaimeer west, Qatar

Period: July’14 to Sep 14

Details: Testing & commissioning of Alstom makes Relay panels and Hyosung GIS Local Control Panels & GIS

Title: 33kV PFC Sub Stations Qatar Petroleum, Dukhan, Qatar

Period: May’14 to June’ 14

Details: Testing & commissioning of Capacitors, Reactors and C&R panels.

Title: 220/66/11kV Kahrama Sub Station Duhail, Doha, Qatar

Period: Feb’14 to Apr’14

Details: Testing & commissioning of Siemens makes Relay panels and Hyosung GIS Local Control Panels & GIS

Title: 66/11kV Kahrama Sub Station Doha Industrial-F – Doha, Qatar

Period: Aug’13 to Jan’14

Details: Testing & commissioning of Siemens makes Relay panels and GIS Local Control Panels, 66kV GIS and 11kV Switch Gear

Title: 66/11kV Kahrama Vegetable Market Sub Station, Doha, Qatar

Period: Apr’13 to Jul’13

Details: Testing & commissioning of Siemens Numerical relays, Components, Circuit Breaker, Switch gears, and Transformers

Title: Delhi Transco Ltd., Delhi

Period: Feb’13 – Apr’13

Details: Erection, testing & commissioning of thirty numbers, of Load Shedding panels in various Delhi Transco Ltd s/s and ten 400kv grid/ NTPC/PPCL

Title: 400kV Power Grid Corporation of India Ltd., Wagora, Kashmir

Period: Jan’13 to Feb’14

Details: Retrofitting of Six nos. of old ABB-RAJZEE distance protection relays by new MiCOM P444 distance protection relays

Title: 765kV Power Grid Corporation of India Ltd., Moga, Punjab

Period: Dec’12 to Jan’13

Details: Retrofitting five nos. of old CDG31 directional over current protection relays by new MiCOM P143 relays & Retrofitting of three nos. of old ALSTOM-MICROMHO relays by new MiCOM P444 relays.

Title: 400kV Power Grid Corporation of India Ltd., Allahabad, UP

Period: Sep’12 to Nov’12

Details: Retrofitting of Twelve nos. of old ABB-REL 521 distance protection relays by new MiCOM P444 distance protection relays. And, Test & Commissioned the 150MVAR reactor protection panels (Include MiCOM P643, REF-MiCOMP143, LBB- P143 relays)

Title: 400kV Power Grid Corporation of India Ltd., Kanpur, UP

Period: Jul’12 to Aug’12

Details: Retrofitting eight nos of old ABB-LZ96 distance protection relays by new MiCOM P444 distance protection relays.

Title: 400kV Power Grid Corporation of India Ltd., Jalandar, Punjab

Period: Apr’12 to May’12

Details: Retrofitting eleven nos. of old ABB-LZ96 distance protection relays by new MiCOM P444 distance protection relays

Title: 400kV-Power Grid Corporation of India Ltd., Hissar, Haryana

Period: Feb’12 to Mar’12

Details: Retrofitting of four nos of old distance ABB-RAZFEE relays by new MiCOM P444 distance protection relays and two old backup imp YTGM relay by new MiCOM P442 reactor protection relays

Title: 1867 MW-Panipat Thermal Power Plant, Haryana

Period: Jan’12 to Feb’12

Details: Testing of electromechanical relays (CDG, VDG, CTNM, CAG, YTGM, ZTO and etc.) in generator units 5& 6 protection panels