



مؤسسة دلتا الظهران لخدمات الطاقة والمقاولات

DELTA AL-DAHRAN FOR POWER SERVICE AND CONTRACTING EST.

(DDPS)

ABOUT US

Founded in the year 2010 by a team of highly motivated and dedicated professionals, DDPS is currently based in the Eastern province city of Al Khobar. DDPS specializes in all kinds of Substation Testing and Commissioning activities in the Power Services industry.

Our Vision: To meet the expectations and demands of clients and partners. To provide an atmosphere of teamwork, growth and responsibility among staff. To grow gradually and smoothly without compromising on quality and be among the best known Testing and Commissioning Services companies in the kingdom.

Our Mission: With a strong team of dedicated professionals, the company hopes to earn the respect and reorganization of partners and customers while ensuring the satisfaction of its workforce.



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SERVICES



Pre commissioning Tests on

All kinds of Protective Numerical relays
Power Transformers upto 752MVA
Shunt Reactors
Station Service transformers and switchgears
Gas insulated switchgears upto 400KV rating
AC & DC Distribution systems
Annunciation systems
Energy Meters
DTR systems



SCADA services.



Trouble shooting and Fault Analysis.



CAD services.



Cable schedule preparations.



Design Reviews.



Protection Up gradation services.



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CLIENTS

SAUDI ELECTRICITY COMPANY (SEC)

SAUDI ARAMCO (SARAMCO)

DUBAI ELECTRICITY AND WATER AUTHORITY (DEWA)

AREVA T & D



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PROJECTS

Complete commissioning of the following projects by our team while at HYUNDAI.

- ✚ 380/115KV HARADH BSP AND ASSOCIATED REMOTE ENDS, HARADH, KSA
- ✚ 380/115KV ABU HADRIYAH BSP AND ASSOCIATED REMOTE ENDS, ABU HADRIYAH, KSA
- ✚ 380/115KV KHURAIIS BSP AND ASSOCIATED REMOTE ENDS, KHURAIIS, KSA
- ✚ 400KV M STATION, DUBAI, UAE
- ✚ 380/230KV JUBAIL II BSP, JUBAIL, KSA
- ✚ MANIFA SUBSTATIONS AND POWER TRANSMISSION. (THREE 115/13.8KV SUBSTATIONS AND ONE 115/34.5KV SUBSTATION)



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KEY PEOPLE

Mr. El Sayed El Shobary,
Chairman, Technical Manager

With a career spanning over 30 years in the field, a name well known in SEC. Has previously served as section head in SEC before taking over as technical manager in Hyundai. During his tenure in Hyundai he has successfully managed a number of large scale projects. His dynamic leadership was responsible for the company's success and completion of all projects in record time.

Mr. Ashraf Seyam,
Field Manager, Senior Relay Protection Engineer

Has been part of all Hyundai projects till date and has earned himself a name among some of the best commissioning engineers in SEC and SARAMCO. Has a vast experience in all numerical relays and is an expert in protection system as a whole.

Mr. Abdul Raouf
Senior Relay Protection engineer

Has worked on several projects with Hyundai in and outside the kingdom. He is well experienced with numerical relays and substation automation and protection system.

Mr. Mahmoud Saeed Al Marabea
Senior Relay Protection engineer

Has worked on several projects with Hyundai and Egemac. He is well experienced with numerical relays and substation automation and protection system.

Mr. Shareef Zamzam
Senior Power services Engineer

Has been part of several projects with Hyundai. He has carried out all tests on transformers up to 752MVA and has expertise in high voltage equipment as well as relay and protection system.



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Mr. Ahmed Bashir
Relay Protection Engineer

Has worked with Hyundai and presently working in Egemac. Well
Familiar with relays and protection system.

RESUME

EL SAYED SAYEDAHMED EL SHOBARY

Name : Al Sayed Sayedahmed Al Shobary
Date of Birth : 01/05/1953
Nationality : Egyptian
Religion : Muslim
Contact No. : 002 040 340 9840 (Tanta)
Education : Bachelor degree in Electronic Engineering
Graduation: 1976, from Tanta University.
Training : Training course for the substation equipment in West Germany by Siemens Co. for a period of 6 MONTHS ENDED ON 31/03/1984.

Career and Experience:

1977 – 1986:

Protection Engineer at Tanta Department (Egyptian Electricity Authority).

1986 – 1997:

Joined SCECO-C in Transmission Department as Protection Engineer having the following Jobs:

1. Testing and Maintenance of all protective relays for transformers, reactors, capacitors, overhead line and Underground cables of different voltages i.e. GEC, ABB, Mitsubishi, Merlin Gerin and Reyrolle).
2. Performing pre-commissioning test for all of protective equipment in Substations of Voltage 33/13.8kV, 132/13.8kV, 132/33kV and 380/132kV which includes:
 - a. Testing of all types of current and voltages transformers used in protection, control and measuring schemes.
 - b. Secondary test for all types of protective relays.
 - c. Function tests for all protection and control schemes.
 - d. Functional tests for all types of circuit breakers, isolators and interlock circuit used in the Network (Circuit breakers & Isolators Make: BBC, ABB SPEREACHER ENERGI, MERLIN GERIN, MITSUBSHI, HYUNDAI, TOSHIBA, HOLEC & REYROLLE).
 - e. Testing of all alarms and back indication from substation to ECC and commands from ECC to Substations.

3. Testing and maintenance for Distance Protection and Directional Earth Fault Protection schemes of overhead lines 132kV and 380kV.
4. Testing & Maintenance of pilot wire protection schemes for underground cables 33kV and 132kV.
5. Performing Pre-commissioning tests for the following schemes:
 - a. Auto change-over switching equipment (ACSE) 13.8kV.
 - b. Trip on Parallel (TOP) 13.8kV.
 - c. Auto Switching Equipment (ASE) 132kV.
6. Investigation, analysis and Rectifying all types of faults in control and protection schemes of transmission Network 13.8KV, 33KV, 132KV and 380kV.
7. Performing the necessary modifications in protection and control schemes of transmission Network to improve its behavior and to avoid repeating of faults.
8. Pre-commissioning tests for Automatic Voltage Stabilizing equipment such as static VAR compensators (SVC).
9. Testing for Fault recorders of different types and analyzing its print outs.
10. ON LOAD CHECK and directionality check for all protection relays and schemes.
11. Testing and maintenance of all types of automatic voltage control (AVC) for transformers.
12. Carrying out all operation in Transmission system up to 380kV, issuing of LOA, SFT and PTW and isolation and Earthing request.
13. Normalizing the network after very severe accident in System.

1998 – 2000:

Manager Protection & Testing of North Region in EEA (Egyptian Electricity Authority)

2000 - Present

Joined MEEDCO (HYUNDAI) as a Technical Manager:

Responsible for the Following Activities :

- i. Responsible for Coordination between client and Supplier.
- ii. Responsible for Protection, Control System & SAS Design and Approval.
- iii. Responsible for 380KV, 230KV, 132KV & 115KV GIS, Power Transformer and MV SWRG Control System and Approval.
- iv. Responsible for SCADA & Telecom System and Approval.
- v. Responsible for Site Testing & Commissioning work coordination & Arrangement.
- vi. Controlling the Testing & Commissioning group.
- vii. Coordination with other department to execute the project efficiently and smoothly.
- viii. Responsible for on – time commissioning and Energization of the Substation.
- ix. Responsible for Inspection of R/Protection & SCADA / TELECOM Materials.

Project Executed:

1. Manifa Transmission & Substations (SARAMCO)
 - Abu Hadriyah 115/34.5KV S/S
 - Causeway 115/13.8KV SS#1
 - Causeway 115/13.8KV SS#2
 - Causeway 115/13.8KV SS#3
2. 380/230KV Jubail-II S/S (SEC)
3. 380/115KV Khurais BSP & Associated Remote Ends (15 No.) (SEC)
4. 400KV "M" Station, Dubai (DEWA)
5. 380/115KV Abu Hadriyah BSP & associated Remote ends (SEC)
6. 230/115KV Haradh BSP & associated Remote ends (SEC)
7. SS-13A Project, 132/13.8kV Substation (SEC Central)
 - 132/13.8kV 8104 S/S
 - 132/13.8kV 8046 S/S
 - 132/13.8kV 8114 S/S
 - Extension of 8070, 8077, 8007, 8008 & 8072

RESUME
ASHRAF ABDEL HAMID ABDEL FATTAH SIAM
Testing & Commissioning Engineer

Name	ASHRAF ABDEL HAMID ABDEL FATTAH SIAM		
Date of Birth	10.12.1962		
Nationality	EGYPTIAN		
Position	TESTING & COMMISSIONING ENGINEER		
Educational Qualifications			
Name of School / College / University / Institution	Year Attended		Qualification
	From	To	Certificate / Diploma / Degree
Zagazek University, Egypt	1981	1986	B.Sc in Electrical Engineering
Work Experience (List from current to first) 16 years			
Name of Company	Position	From	To
Middle East Engineering & Development Co. Ltd.(MEEDCO), Saudi Arabia	Testing & Commissioning Engineer	25.10.2000	Present
Brief Job Description:			
1. Preparation for the Testing and commissioning activities for Manifa Power Transmission & Substations under Saudi ARAMCO Project.			
2. Testing and commissioning for Jubail 380/230kV S/S Constructed by AREVA for SEC-EOA. - Testing & commissioning activity for all equipments and panels. - Testing & Commissioning activities for equipments and panels.			
3. Testing & Commissioning activities of Khurais 380/115kV BSP and Remote End substations under Project of SEC-ERB.AND REMOTE END (KHURAI 230,ABQAIQ CENTRAL,QURAYYAH SWTP,QURAYYAH 380KV, SHEDGUM 380KV,CPF,RIC,ESP1,ESP2,ESP3, ABU JAFIN & MAZALIJ)			
4. Testing & Commissioning activities of for Abu-Hadriyah BSP and Remote End substations (FADHLI,KHURASANAYAH CPF,FADHLI FIELD,ABU HADRIYAH FIELD,KHURSANIYAH 230)			
5. Testing & Calibration of Energy Meters.			
6. Testing of Current Transformers.			
7. Testing of Voltage Transformers.			
8. Installing and pre-checking of new panels.			
9. Installation of DTR & GPS.			
10. Pre-Checking.			
11. Testing & Commissioning Activities of Haradh 230/115kV BSP & remote end substations Hawiyah BSP, Haradh GP & Haradh Increment III.			
12. Testing & Commissioning of all Protection Relays for Transformers & Overhead Lines.			
13. Tests including Primary Injection, Bus Bar Stability, Sensivity test, Functional test & Interlock test.			
14. Testing & Commissioning of S/S 8104, 8046 & 8114 and Extension S/S 8070, 8077, 8007, 8008 & 8072.			
15. Pre-commissioning tests of all Protection Relays for Transformer, Overhead Line, Underground Cables.			
16. Pre-commissioning tests of all type of Automatic Voltage Control (AVC) for Transformers.			
17. Pre-commissioning of ACSE Schemes, TOP Schemes and Bus bar Protection Schemes.			
18. Modification and Testing of Protection & Control Schemes.			

19. Involved for the Maintenance activities for 132kV GIS and Protection Testing Activities related.
20. Pre-commissioning tests of GIS equipments - Breakers, Current Transformers, Voltage Transformers, Isolators, earthing switches, LCC wiring checks functional checks.
21. Other tests including Primary Injection, Bus bar stability and sensitivity test, functional test, BCT of Transformers, interlock test, SCADA commissioning & AC/DC distribution board.
22. Commissioning of all type of feeders, On-load test, Directional tests, ACSE live tests.
23. Modification and Testing of Protection & Control Schemes for existing substations.
24. Trouble shooting activities.
25. Held the responsibility for coordination and design activities.
26. Preparation of Final As-built Drawings.

Name of Company	Position	From	To
Delta Electric Co., Alkalubia Region, Egypt	Protection & Testing Engineer	1990	2000

- Brief Job Description:**
1. Testing of Protection Relays for S/S220/66/11kV. (Distance Relays L86, Razfe).
 2. Testing Protection Relays for TR. 220/66kV.
 3. Testing Protection Relays for OHL 66kV (Distance Relays LH1W), Over Current and Directional Relays.
 4. Testing & Commissioning for 66/11kV Substations.
 5. Fault Recorder Calibration, Testing & Commissioning.

- Other Skills:**
- Good in computers.
 - Fluently speaking English.

Exposure:

A well exposure to electromechanical relay - static relay to neumerical relays of various type from different manufacturers.

Exposure and experience to work on relays viz., Distance Protection relay (MICROMHO, REL531, REZ1), Directional overcurrent relay (RELO10, ARGUS2), Control and Multifunction relay unit REF 542, Pilot wire Protection (MBCI, RADHL), Transformer Differential relays (MBCH, RADSB), Over Current Relays (MCGG, MCRI, RACID, REJ525, ARGUS 1), Breaker Failure relays (MCTI, RAICA), Bus Bar Protection relays (MFAC 34, RADHD), Synchronising relays (RASC, MAVS, ARGUS 7), Intertrip Relays GCM05 and various Auxiliary relays & Tripping relays.

Exposure and experience to work on GIS of Different manufacturers viz., TOSHIBA, HYOSUNG, MITSUBISHI

ABDUL RAOUF DAR (Bachelor of Engineering)

Objective: Seeking a challenging career that offers advancement, continuous learning and creativity and providing wide exposure to new areas to apply my analytical and practical skills while considering hard work, honesty and sincerity as the key to my success and success of the organization.

Personal Information

Date of Birth: 12/12/1983
Nationality: Indian
Experience: 5 Years
Present Employer: MEEDCO (HYUNDAI)
Languages Known: English, Arabic, Urdu, Hindi and Kashmiri
Email Address: raouf83@gmail.com
Mobile No. : 00966-553922253

Education

Bachelor of Engineering (B.E): Electronics & Communication
Visveswariah Technological University.
Bangalore, India.

Work Experience

Working as a Testing and Commissioning Engineer in Middle East Engineering and Development Company (MEEDCO), Saudi Arabia since February 2007.

PROJECTS WORKED ON

- 380/115KV Abu Hadriyah BSP, Saudi Arabia(February 2007 – August 2007)**
 - Testing of auxiliary relays, Magnetic contactors, Meters, gauges and LV Circuit breakers etc
 - CT & VT testing
- 380/115KV Khurais BSP and Associated Remote Ends (September 2007 – July 2008)**
 - Testing of auxiliary, Lockout, Synchro-check, Breaker failure, TCS, Bus Differential Relays etc
 - CT testing & VT testing.
 - Commissioning of line protection, Breaker failure, Synchro-check and Local GIS control panels etc.
 - End to End Test for Remote Ends.

3.
 - I. **Protection up gradation of 230KV Abqaiq - Qurrayyah,**
 - II. **Protection up gradation 380KV Qurrayyah – Ghunan line**
 - III. **Protection up gradation 380KV Shedgum – Ghunan Lines**
 - Preparation of cable schedule.
 - Testing of Relays.
 - Commissioning of protection panels.
 - CT & VT Testing
4. **400KV M Station (Dubai, July 2008 - January 2009)**
Complete commissioning of LVAC System.
 - Testing of Numerical Relays (ReyRolle) Synchro-check, O/C, REF relays, Busbar Differential Relays, CT Supervision relays etc.
 - CT and VT Testing.
 - Scheme Tests.
 - GIS operation Check and Troubleshooting.
5. **400KV MARKEDH S/S (Dubai, February 2009 – April 2009)**
 - Up gradation & Commissioning of Main and Back up Protection.
6. **380/115kV JUBAIL II SUBSTATION Saudi Arabia(May 2009- July 2010)**
 - Testing of Relays (Transformer Differential, Over current, Breaker Failure, Synchrocheck, Frequency,AVR) etc.
 - Scheme, functional checks and troubleshooting.
 - GIS Operation And Interlocks Testing.
 - Commissioning of protection panels.
 - Busbar Stability and Sensitivity Test.
 - Transformer Stability and Sensitivity Test
7. **Manifa Power Transmission and Substations(August 2010-Present)**
 - Testing of all kinds of SEL numerical relays including Overcurrent, Bus Differential, Transformer differential, Line differential and ATS control relays.
 - Scheme and Functional Check of 115KV GIS, 34.5KV/13.8KV/480V Switchgears.
 - Interface and Cable Schedule.

Testing tools used

- FREJA 300
- OMICRON CMC 256
- OMICRON CT ANALYZER
- SVERKER 760
- B10E
- MAGNUS

Mahmoud Elsayed Abd Elkader Elmarabea

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Tanta ,
Egypt.
Mobile in Egypt: 00 20109478114
Phone in Egypt: 00 20403603407
E-mail : eng.mahmoud.elsayed@msn.com

Objective

To be an active member in a leading company .

Personal Data

Name: Mahmoud Elsayed Abd Elkader Elmarabea.
Gender: Male.
Nationality: Egyptian.
Religion: Muslim.
Date of Birth: 12/9/1984.
Marital Status: Married.
Military Status: exempted.

Education

University: Tanta University – Faculty of Engineering.
Main Field of Study: Communication & Electronic Engineering.
Degree Obtained: B.Sc. of electrical engineering.
Graduation Year: June 2006.
Graduation Grade: good.

Languages

Arabic: Fluent in spoken and written Arabic (Mother Tongue).
English: Good; Reading, Writing, good Understanding and Speaking.

Qualifications and Interests

Self-motivated, open minded, ready to work under pressure, hard worker, active, reading scientific papers, using computer in different applications specially using the internet, able to learn anything in a very short time, flexible to deal with any type of customers and helpful among the team work.

Current Job

Protection and Testing Engineer

In EETC (Egyptian Electricity Transmission Company) in EGYPT

Experience

Name Of Company	Country	Position	From	To
MEEDCO (Middle East Engineering & Development) Company	Kingdom of Saudi Arabia (K.S.A.)	Testing & Commissioning Engineer	02- March -2007	29- July -2008
HYUNDAI Construction & Engineering Company	United Arab of Emirates (U.A.E.)	Testing & Commissioning Engineer	29- July -2008	21- January -2009
MEEDCO (Middle East Engineering & Development) Company	Kingdom of Saudi Arabia (K.S.A.)	Testing & Commissioning Engineer	21- January -2009	26- May -2009
EGEMAC (Egyptian German Electrical Manufacturing Company)	EGYPT	Testing & Commissioning Engineer	14- June -2009	25-march-2010
EETC (Egyptian Electricity Transmission Company)	EGYPT	Protection & Testing Engineer	14- April -2010	Present

Job Description:-

- Pre-checking of Local Control Panels of 500kV, 380kV GIS and 115kV GIS.
- Testing of Areva & ABB made auxiliary relays, Trip relays, Breaker Failure relays, Synchrocheck relays, Auto recloser relays & timers.
- Installation & pre-checking of Line Protection, BB protection, Transformer Protection and Breaker Failure Protection panels.
- Schematic Check of GIS 115kV, 380kV & Control Room.
- Preparation of Site Test Record.
- Preparation & review of As Built Drawings
- Testing of ABB & AREVA under voltage & over voltage relays.
- DC Scheme, Trip circuit and Trip supply supervision check.
- Trip logic and CB fail logic check.
- Protection & Control panels functional checking.
- Isolator, Breaker & Earth Switch Interlock & operation Checking.
- CT TESTING (Winding Resistance , Insulation Resistance , Magnetization Curve , Polarity , Ratio , Load Burden)
- VT TESTING (Winding Resistance , Insulation Resistance , Polarity , Ratio)
- CT and VT Primary & Secondary injection.
- Upgrading of protection panels and protection Scheme
- Testing under frequency relay Westinghouse
- Making Dismantle Schedule For Existing Protection Panels
- Control circuits Modifications in live station
- Modifying the closing & tripping Circuit as per the new upgraded system In Live station
- End To End Test (CBF TX&RX , PD TX&RX , DISTANCE TX&RX , DEF TX&RX)
- Busbar Stability & Sensitivity Test
- Testing & Commissioning all Functions Of Low impedance BB Protection Numerical Relay Siemens 7SS52 and its Bay Units (Double Busbar Scheme & one and half scheme)
- Testing & Commissioning Of High impedance BB Protection Relay MCAG and its Bay & CT Supervision Circuit (Double Busbar Scheme & one and half scheme).
- Testing ABB over Fluxing Static relay
- Energizing & Testing & commissioning DC & AC Distribution Panels with change over systems.
- Busbar scheme & functional test
- Circuit Breaker Test (H.V. test , Contact resistance , Timing test , Gas Pressure tests , Mechanical test)
- Checking of PIX Panels 12Kv Control & Protection Circuits.
- Testing and Commissioning of Capacitor Banks 11kv & 24Kv
- Testing Directional O/C & Directional E/F Digital Relays
- Testing Siemens Transformer Differential Protection Relays (7UT6xx)
- Testing Siemens Auto recloser & Breaker failure (7VK6xx) Protection Relays
- Testing Siemens Distance Protection Relays (7SA5xx &7SA6xx) with its all functions.

Test Kit Handled:-

- Numerical test kit **OMICRON CMC 256**
- Test kit **OMICRON CT Analyzer**
- Numerical test kit **PROGRAMMA FREJA 300**
- Single-phase secondary injection kit.
- Test Kit **PROGRAMMA ODEN** For High Current Injection.
- Sverker, B10, Magnus and Megger.

SHERIF ABD EL - MONEIM AMIN ZAMZAM

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Personal data

Religion : Muslim.
Birthday : 22/6/1978
Marital status : Married
Military service : Exempted
Driving license : valid (EGY - KSA)

Education & graduation profile

B.SC ELECTRONIC ENGINEERING : MAY 2002

Faculty : Electronic engineerig - Meouf
Sectoin : Power (Industrial electronics & control)
University : Menoufia university .

Working job

From July 2008 - till now SAUDI -ARABIA Hyundai - MEEDCO

Testing and Commissioning, Protection engineer

Construction, Maintenance and operation of electrical substation
high, medium, low

Protection side

Scheme & functional check of:

- 1- Set -1 protection panel.
- 2- Set -2 back up protection.
- 3- Auto reclose panel.
- 4- Manual synchro check panel.
- 5-Breaker fail panel.
- 6- Annunciation panel all points from source panel.
- 7- SOE, SCADA panel all points from source panel.
- 8- Functional check of Control panels at control room.
- 9- Verification of DSM (dynamic system monitoring) CT, VT POINTS.
- 10- Metering panel, power factor panel.
- 11-DTR (data retrieval) PANEL

Main relay testing:

- 1- Micom over current P142.
- 2- Manual synchro check kavs 100 (acceptance- final).
- 3- SEL 751A relay.

CT TEST (Current transformer)

- 1- Insulation Resistance
- 2- Ratio
- 3- polarity
- 4- Magnetization curve
- 5- Winding Resistance.

- * CT circuit, VT circuit test secondary injection.
- * Closing circuit test.

All auxiliary relay testing + Fuse fail & LOR (94-86).

LOW VOLTAGE

- 13.8 KV SCHEME CHECK .
- AC DC PANEL function

Training

At SEL SCHWEITZER ENGINEERING LABORARORIES December 2010

- 1- SEL 751A/787 feeder/Transformer relay.
- 2- SEL 7510 Motor Protection relay.
- 3- SEL 311 Line Differential Relay.
- 4- SEL 351A/387E feeder/Transformer relay.
- 5- SEL 451 Protection Automation Control.

Communication

Verification of SCADA, SOE POINTS

Verification of Fault recorder (analogue, digital points) POINTS

OSAS&PSA (POWER AUTOMATION SUBSTATIONS)

Work shop with SEL, WESKOSA About automation substation.
IT ENGINEER - SOFTWARE ENGINEERING COURSE AND NET WORKING
FOR ONE YEAR TRAINING AT MINISTRY OF COMMUNICATION AND
FUJITSU SIEMENS COMPANY.

Safety courses from Aramco, sec , areva and Hyundai.

- 1- Electrical safety.
- 2- Construction and site safety.
- 3- Traffic and vehicles safety.
- 4- Fire prevention & protection.
- 5- H2S Safety.

AT GIS

- 1- Operation and functional check of LCC panel .
 - 2- Interlock for breakers and disconnectors , earth switch .
- & SCHEME CHECK - INTERLOCK.

VT TEST (voltage transformer)

- 1-Insulation Resistance
- 2- Ratio
- 3- polarity
- 4- Winding Resistance.

Power service side

* Testing of all types of power Transformer

A. High Voltage power Transformer. Auto transformer

Voltage	Manufacture	TYPE	
380KV-230KV	AREVA	OFAF	750MVA
380KV-115KV	HYUNDAI	ONAF	500MVA

A- Impact recorder check analogue or digital type.

B- Oil break down voltage test .

- 1) Insulation Resistance (Megger).
- 2) Ratio Test (TTR).
- 3) Vector group.
- 4) Winding Resistance.
- 5) Impedance (Short circuit).
- 6) Power Factor, Excitation current, Capacitance.
- 7) Gauge calibration (secondary injection).
- 8) Oil Temperature Gauge calibration.
- 9) Pushing capacitance.
- 10) Fan, pump, Buchholz relay, pressure relief device ...
And all auxiliary devices operation check.
- 11) Tape changer local operation, remote operation from RTCC.

B. Grounding Transformer.

- 1-Insulation Resistance (Megger).

- 2- Winding Resistance.
- 3- Oil Temperature Gauge calibration.

C. Low Voltage Transformer. Station service 13.8KV-380V

- 1) Insulation Resistance (Megger).
- 2) Ratio Test (TTR).
- 3) Vector group.
- 4) Winding Resistance.
- 5) Impedance (Short circuit).
- 6) Power Factor, Excitation current, Capacitance.
- 7) Back energization.

D. Dry type Voltage Transformer.

- 1) Insulation Resistance (Megger).
- 2) Ratio Test (TTR).
- 3) Vector group.
- 4) Winding Resistance.
- 5) Impedance (Short circuit).
- 6) Power Factor, Excitation current, Capacitance.
- 7) Back energization.

CCVT TEST (Capacitive voltage transformer)

- 1-Insulation Resistance
- 2- Ratio
- 3- polarity
- 4-Phase angle
- 5- Winding Resistance.

SURG arrester

- 1- Megger
- 2- CAPACITANCE tan delta.

Testing & commissioning activities of substations

A- With ARAMCO

Manifa 4 s/s

- 1-Cuse way 1.
- 2-Cuse way 2.
- 3-Cuse way 3.
- 4-Abu hadriah.

B-With SEC(SAUDI ELECTRICITY COMPAANY).

1. JUBAIL -2 380/230 kV BSP.

2. Khurais 380/115kV BSP .
3. 230/115 Khurais S/S, KSA.
4. 115 kV Khurais RIC S/S.
5. 115 kV ABU JIFAN.
6. 115 kV MAZALIJ S/S
7. 115 kV ESP-3 S/S.
8. 115 kV GHUNAN S/S KSA.
9. 115 kV SHDGUM S/S KSA.
10. 380 kv Dhahiya S/S .

Test Kit handled:

- Numerical test kit PROGRAMMA FREJA 300
- OMICRON, CPC 100, CT ANALYZER.
- Sverker, B10, Magnus and Megger.
- CT Analyzer Numerical test kit
- Primary injection kit(ODEN AT).
- TTR (Transformer turns ratio tester).
- Transformer ohmmeter (for winding resistance transformer megger MTO10).
- DELTA 3000 (tan delta high voltage for power factor ,capacitance....)

From January 2003 until June 2008

In field of **OPERATION & MAINTENANCE electrical SUBSTATION**
Control SCADA electrical department of water
resource and irrigation ministry.

Operation and maintenances of small Electrical substation in Egypt

- Construction supervision
 - Project implementation Planning. (Primavera)
- Tender evaluation (National/International).
- Maintenance computer engineer (Hard ware & software& printers).
 - Primavera.
- Preparation of technical specification of electrical equipment and induction motor.
- Modern Control Technique (Power electronic).
- Fire alarm system and auxiliary light system .
- Power factor correction.
- English excellent (reading & writing).

Training

- Training on the construction, maintenance, and software problems of SCADA, PLC systems.
- Tender evaluation (National/International). From February until June 2006.

- Preparation of technical specification. From 15 August until 15 November 2006.
- Project implementation Planning (Primavera). From February until May 2007.

● Computer courses and skills.

● IT ENGINEER - SOFTWARE ENGINEERING COURSE AND NET WORKING FOR ONE YEAR TRAINING AT MINISTRY OF COMMUNICATIONS AND FUJITSU SIEMENS COMPANY.

- Primavera.
- Auto cad
- MS office Xp - Win Xp
- Courses from knowledge pool UK UNIVERSITY.

Management and Leadership Skills

- Working in Teams.
- Decision Making.
- Make Objectives Happen.
- Problem Solving.
-

Communication Skills

- Giving Presentations.
- Report Writing.

WALID MOHAMED FARGHALI

PERSONAL INFORMATION

- Marital status: Married
- Nationality: Egyptian
- Date of Birth: 20/12/1973
- Tel. no.: +20643917759
- Mobil No.: +201148474990
- Email: walidfarghli@yahoo.com

LANGUAGES

- Arabic (native tongue)
- English (excellent oral & written)

EDUCATION

University

- Cairo University
- Faculty of Engineering
- **POWER SYSTEMS PROTECTION DIPLOMA**
- Duration of Diploma: Two Years.
- Degree of graduation: Excellent
- Graduation Year: May, 2005.
- Project: Simulation Of Protective Relays Using ATP/EMTP

WORK EXPERIENCE

Current Job

- Job Title: **Protection Department Manager**
- Employer Name: Egyptian Electrical Transportation Company.
- Employer Country: Egypt
- From: (1/1997 – 7/2000) & (2/2001- 10/2007) And (1/2012 Till Now).
- Job Description:
 - Installation, configuration and testing of protective relays.
 - Calculate and program the setting values for the most famous protective relays.
 - Analyze the faults and the disturbances which occurred at (66kv & 220kv and 500kv) substations.
 - Rehabilitation & replacement & testing and operation for all components of high voltage substations (power transformer, CB, isolators, CT, VT, protection and control panels...etc.)
 - Give courses of (protection principals, testing of numerical relays for the most used manufactures, using of secondary injection test equipment such as OMICRON CMC256 and ISA DRTS6)
 - Within a tender dealing with many importing companies to import a numerical relays and test equipment.

- Previous Job
- Job Title: Testing And Commissioning Engineer
 - Employer Name: Al-Babtain Contracting Company
 - Employer Country: KSA
 - From: 11/2007 - To: 1/2012
 - Job Description: Participate in establishment of testing and commissioning department. Coordinate between our team and (sec-co), and manage a technical support. Programming, configuration and testing of main relays. I can do function test, final trip, end to end test and on load test in many HV 132kv substations.

- Previous Job
- Job Title: Testing And Commissioning Engineer
 - Employer Name: Schneider Group.
 - Employer Country: KSA
 - From: 8/2000 - To: 1/2001
 - Job Description: Testing and commissioning of (power transformer, CT, VT, contactors, aux relays..etc.) at 132kv substation. Installation and configuration of distance relay SEL 311C. Configuration and testing of (SER "Sequential Event Recorder Hathaway").
- **Total years of experience: 15 years**

PROJECTS & DUTIES

- As witness on ELECTROIMPEX company in Hurghada 66kv s/s (Egypt 1998).
- As witness on SIEMENS company in East Quantara 220kv s/s (Egypt 1998).
- Responsible of configuration and operation fault recorder panels (Hathaway) in substations' Canal Zone (Egypt 2004).
- Responsible of configuration, testing and operation more than 40 unit of rel511 and 20 unit of 7sa610 and 15 unit of 7ut610 in substations' Canal Zone (Egypt 2005,2006).
- Responsible of configuration, testing and operation more than 40 unit of MICOM P442 and 15 unit of MICOM P543 in substations' Canal Zone (Egypt 2003).
- Testing more than 80 relay (generator, motor, distribution protective relays) in Al-Obaiyad gas field. (Egypt 2005).
- Main member in committee of configuration and programming of numerical relays in central protection sector (Egypt 2004 – 2007).
- Testing and commissioning all protective relays (ABB relays) in al-Dakhla 66/33kv s/s within ABB (main contractor) (Egypt 2007).
- As team leader for commissioning group in 8136 s/s 132kv and coordinator with sec-c0 (KSA 2008).
- In many sites at Riyadh, Sakaka, and Qurrayat. I configured and tested a lot of main relays such as (MICOM P442, MICOM P443, MICOM P543, MICOM P633, REL511, REL670, RED670, REL505, REC670, RET670, 7SA522, DUOBAIS M200...etc.) (KSA 2008 – 2011).

CERTIFICATES

- Certificate from ISA for being trained on DRTS6 (KSA 2000)
- Certificate from ALSTOM for being trained on MICOM P440, P540 and Digital Control systems (LATTES, FRANCE 2002).

Curriculum Vitae

Name: Decelito Lucero Alegarbes, REE

Email: dlalegarbs@yahoo.com.ph

Phone Number: +63 32 2729522

Mobile Number: +63 916 2955866



Address : Armamento Apt., Laguna, Basak Pardo, Cebu City, Philippines
Civil Status : Married
Date of Birth : 12/10/1975
Place of Birth : Marikina, Rizal, Philippines
Nationality : Filipino
Passport Number : SS0252763

Objective:

I am an experienced electrical engineer capable of servicing and commissioning a wide array of electrical equipments with precision and in accordance to standards and safety practices. Works effectively in a fast faced environment, has sound judgment and cool under pressure. Possess excellent communication skills, initiative, and give full attention to every minute detail. Good team player, willing to be trained and considers self as a fast learner.

Work Experience:

March 2007 up to Present

Senior Field Service Engineer

Cebu Power Exponents Services Incorporated

Cebu City, Philippines

- 138/69KV ApoCemex Substation
Main Contractor: Visayan Electric Company
Naga, Cebu, Philippines
 - ✚ Installation/Assembly, Testing and Commissioning of 1-138/69KV Power Transformer
 - Oil filling and circulation
 - Oil Dielectric Breakdown Voltage Test
 - Insulation Resistance (PI) Test
 - Ratio and Vector Group Test
 - Winding Resistance Test
 - Magnetizing Current and Short Circuit Impedance Test
 - Insulation Power Factor Test
 - Operation Check of Protective Devices

- Installation/Assembly, Testing and Commissioning 13.8KV Siemens SF₆ Switch Gear
 - Functional Tests
 - IR and High Voltage Test
 - Contact Resistance Test
 - Breaker Timing Test
 - Electrical/Mechanical Interlocks Check
 - CB Interchangeability Check

- Upper Mahiao Geothermal Power Plant
Kanangga, Leyte, Philippines
Preventive Maintenance of 1-unit Steam Turbine Generator and 1-unit 13.8/230KV Power Transformer
 - Testing of Protective Relays and Transducers
 - O/C relays
 - Transformer Differential relays
 - O/U Voltage relays
 - Volts/Hertz relays
 - Current and Voltage transducers
 - Testing of Power Transformer
 - Insulation Resistance (PI) Test
 - Winding resistance Test
 - Turns Ratio Test
 - Oil Dielectric Breakdown Voltage Test
 - Measurement of Tan Delta and Capacitance of Winding and Bushing
 - Operation Check of Protective Devices

 - 230/69KV NRA Substation
Visayan Electric Company
Cebu City, Philippines
 - Testing of Instrument Transformers (Insulation, Turns Ratio, Polarity, Magnetization Curve, Loop resistance check)
 - Testing of 69KV CB (Functional, Timing, SF₆ gas purity and moisture content)

May 2008 – March 2009

**Testing and Commissioning Engineer
Hyundai Engineering and Construction Co., Ltd.
Dubai, UAE**

- 132/11KV Esthetmar Substation
Dubai Electricity and Water Authority (DEWA)
Dubai, UAE
 - Preparation of Weekly Testing Program and Progress Report

- ✚ Inter-Panel Wiring Checks
 - ✚ Testing and Commissioning of 11kV and 132kV CT and VT
 - ✚ Testing and Commissioning of auxiliary Trip and Supervision relays (Areva and Reyrolle)
 - ✚ 132kV GIS CB, Disconnecter and ES Timing Test
 - ✚ Scheme Tests (DC Circuit, TCS & TSS, VT secondary circuit, Energy Meter Power Flow)
 - ✚ Sensitivity and Stability Tests (Busbar protection, LV & HV REF protection, Transformer Differential protection)
- 132/11KV Mantaka Sanaia Jebel Ali (MSJA) Substation
Dubai Electricity and Water Authority (DEWA)
Dubai, UAE
- ✚ Testing and Commissioning of auxiliary Trip and Supervision relays (Areva and Reyrolle)
 - ✚ Testing and Commissioning of MVAP Voltage Relays and Power factor Meter
 - ✚ 11KV Primary Injection Checks
 - ✚ LVAC REF Primary Injection Checks
 - ✚ Testing and Commissioning of Metrosils
 - ✚ Trip Logic Checks

Oct 2002 – Feb 2007

**Substation Engineer
Visayan Electric Co., Inc. (VECO)
Cebu City, Philippines**

- Witness Acceptance Testing of 2x40MVA New Korea Power Transformers, Seoul, South Korea
- Installation, testing and commissioning of substation electrical equipments, protection and control devices, H.V. & L.V. switchgears within VECO franchise
 - ✚ 138/69KV 2x40MVA Pakna-an Substation with New Korea Power Transformers, ABB & Siemens SF6 Power Circuit Breakers
 - ✚ 138/69KV 1x33MVA Ermita Substation with Shihlin Power Transformer, Siemens SF₆ Power Circuit Breakers
 - ✚ 69/23KV 1x33MVA Cabancalan Substation with Shihlin Power Transformer, Siemens SF6 Power Circuit Breakers and ABB Switchgear
 - ✚ 69/23KV 2x33MVA Consolacion Substation with Shihlin Power Transformer, Siemens SF6 Power Circuit Breakers and ABB Vacuum Circuit Breakers
- Testing and Commissioning 1x50MVA 138/69KV New Korea Power Transformer
- Rehabilitation of 25/33MVA New Korea Power Transformer @ Cantao-an Substation. Replace damaged On Load Tap Changer and Testing of Voltage Regulating Relay type RAYA

- Rehabilitation, Testing and Commissioning of 138/69KV 2x40MVA Cabancalan Substation with Fuji Power Transformer, Fuji SF₆ Circuit breaker, Fuji Air Blast Switchgear
- 69/13.8KV Mactan Enerzone Substation
Lapu-lapu City, Philippines
 - ✚ Installation, Testing & Commissioning of 33MVA Power Transformer
 - ✚ Installation, Testing & Commissioning of 69KV Siemens SF₆ CB
 - ✚ Installation, Testing & Commissioning of 13.8 ABB VCB
 - ✚ Testing & Commissioning of Instrument Transformers

June 2000 – Oct 2002 **Energy Pilferage Control Engineer**
Visayan Electric Co., Inc. (VECO)
Cebu City, Philippines

Jan 1999 – June 2000 **Power Meter Engineer**
Visayan Electric Co., Inc. (VECO)
Cebu City, Philippines

June 1997 – Dec 1997 **Production Engineer**
Cyber Ceramics Inc.
Pasig City, Philippines

Education / License:

April 1997 Registered Electrical Engineer (REE)
Professional Regulation Commission
Philippines

March 1997 Bachelor of Science in Electrical Engineering
Cebu Institute of Technology
Cebu City, Philippines

Trainings / Seminars:

July 2007	7 days	Basic Safety Training
April 2007	1 day	Predictive Maintenance Training
June 2006	1 day	Best Practices for Troubleshooting and Maintenance of Electrical System and Grounding
June 2006	1 day	Electrical Thermography Application Seminar

Nov 2005	5 days	Doble F6150 Relay Tester Hands-on Training Course
Nov 2005	2 days	Operation and Maintenance of Power Substation
May 2005	2 days	Megger Relay Tester Hands-on Training
Dec 2004	3 days	HV Cable Splicing and Termination Seminar
Sep 1996	1 day	Seminar on Illumination and Lighting
Nov 1995 – Mar 1996		Instrumentation and Control of Electrical Equipment

Skills:

- Computer Literate (Microsoft Word, Microsoft Excel, MS PowerPoint, AutoCAD)
- Fluent in English Language

REFERENCES:

- ❖ **Eng'r. Wilfredo P. Cañizares, PEE**
Manager, Cebu Power Exponents Services Inc.
Tel no.: +63 32 272 2700
Cel. No.: +63 917 6275718
- ❖ **Eng'r. Ernesto B. Abunda Jr., PEE**
Manager, EbaTech Corporation
Mandaue City, Philippines
Tel no.: +63 32 424 0873
Cel. No.: +63 917 8067397 // +971-508287094
- ❖ **Eng'r. Sunday Palabrica, PEE**
Manager – SOD, Visayan Electric Co Inc.
Cebu City, Philippines
Tel no.: +63 32 230 8326

I hereby certify that the above statements are true and correct to the best of my knowledge.

Decelito L. Alegarbes (Sgd)
Registered Electrical Engineer

M.MUTHUKUMARAN

CURRICULUM VITAE

NAME : M.MUTHUKUMARAN
DESIGNATION : Senior.T & C ENGINEER
DATE OF BIRTH : 4/5/1983
NATIONALITY : Indian
QUALIFICATION : BE-2005
EXPERIENCE : 4 1/2 years
PASSPORT NO. : H0616415 exp dt.29/09/2018

Details of work Experience:

1.From 2007 - still now worked as Senior Testing Engineer in P.D.C.S

Job involved in Testing & Commissioning

- a) Testing & Commissioning of 66/33 kv Gonnur s/s yard equipments.
- b)Testing and Commissioning of 132/11KVS/S HI TECH CARBON at Gumidipoondi for Siemens
- c) Testing & Commissioning of 132/11KV S/S SAIL at BOKARO for SIEMENS.
- d) Testing & Commissioning of 400/220KV S/S PGCIL at Tirunelveli for CGL
- e) Testing of CRP panels at ABB Factory.
- f) Testing & Commissioning of 400/220KV S/S PGCIL at KARUR for AREVA
- g) Testing and Commissioning of 220/132/33KV S/S WESEB at New Town Kolkotta for AREVA
- h) Testing of 132/11KV AREVA S/S at Daltan Gung,Jharkand state Electricity Board.
- i) Testing of 6.6KV Switch Gear & Relays in KLTPS in Gujarat
- j) Testing & Commissioning of 132/11KV S/S IND SYNERGY at RAIGHAR.for AREVA
- k) Testing & Commissioning of 220KV GIS Kalpakkam for AREVA
- l) Testing and commissioning of 132/66/33 KV JSEB S/S Kanke-Ranchi,Jharkant.
- m) Annual Maintenance Testing 63.5MW TCPL Gen Power plant at Gumidipoondi
- n)Annual Maintenance Testing of 50x4 MW Diesel Powerplant at Sampalpatty
- o) Annual Maintenance Testing 200MW GMR Gen Power plant at Chennai
- p) Testing & Commissioning of 33/11KV ITC Kovai S/S in TN
- r) Testing of 110/66 kv SS Udumalaipet TNEB for Suzlon

Overseas Experience

Worked in 380/220KV Jubail SECO S/S for MEEDCO from Aug 2009 to Oct 2009.

Worked in 380/132KV ABHA EAST SECO S/S for ABB from Feb 2010 to Mar 2010.

Worked in 132/33KV RUFEDA SECO S/S for ABB from Apr 2010 to May 2010.

Worked in 380/132/33KV GIS PNUW-KSA -Riyath S/S for ABB from MAY2011 to SEP 2011.

Test Equipment handled

Winding Resistance, Breaker Timing, TTR, Secondary injection kit1& 3Phase,
Primary injection kit,Tandelta , Sverker750 ,CPC100 and CMC256 etc.,

Mohideen.H

CURRICULUM VITAE

NAME : Mohideen.H
DESIGNATION : Chief. T & C Engineer
DATE OF BIRTH : 17th March 1980
NATIONALITY : Indian
QUALIFICATION : BE(2001)
EXPERIENCE : 10Years
PASSPORT NO. : J5545477 **EXP:** 18-05-2021

Details of work Experience:

From year 2006 onwards working in PDCS as Testing and Commissioning Engineer

From Year 2004 to 2006 worked as maintenance engineer in private Power plant.

From year 2001 to 2004 worked as Service engineer for UPS.

Project involved in india

- a) Testing of Relay and control panels for Qatar Project, Siemens at Nshik factory.(Maharastra)
- b) Configuration and Testing of Siprotec devices such as 7SJ,7UT,6MD,7SD,7SS series and Micom P543 relay at Siemens, Nashik factory.
- c) Retrofit and Testing of ABB REL511 Distance relay at MSETCL,Deepnagar 132KVSS,(Maharastra)
- d) Testing and Commissioning of 66/11KV SS, KSEB, Nedumkandam,Kerala.
- e) Testing of Relay and control panels at 400KVSS,PGCIL,Pugalur,Tamilnadu.
- f) Testing and Commissioning of 220/110Kv S/S in West bengal for ABB at New Town
- g)Testing and configuration of Siemens make 7SJ6xx relays at different sites.
- h)Testing of 315MVA transformer at VTPS S/S Tandelta, TRM and TTR etc.
- i) Complete Periodical Maintenance Testing of 200MW GMR Power Plant in Chennai.

Major Protections Handled

Siemens: 7SJ,7UT,7SD,7SS,7SR and 6MD etc

ABB: REL5xx and RET316 etc

AREVA:P543,P221,P142 etc.

Test Equipment handled

Tandelta, Winding Resistance, Breaker Timing, TTR, Secondary injection kit, Primary injection kit etc, Freja 300,TURH,Omicron-CMC256,SFRA Kit,CPC100 etc
CBT400 Hathaway kit, Programma TORCEL kit, Programma ODEN kit, Programma HV kit,

Overseas Experience

from 2008 Jul to April 2009 Worked in Dubai(DEWA) for Hyundai 132/11Kv Projects

From 2009 May to July 2009 worked in KUWAIT(MEW) for HYUNDAI 300/132/33KV S/S.

From 2009 Aug to Jan 2010 worked in Abudabi(ADDC & TRANSCO) for Hyundai 132/22KV S/S

From 2010 April to July 2010 worked in KSA for ABB 110/13.8KV S/S

From 2010 Aug to May 2011 worked in Kuwait for Siemens Ltd for their 132Kv and 300Kv S/S projects.

S.Mukesh Khanna

CURRICULUM VITAE

NAME :S.Mukesh Khanna

DESIGNATION :Sr.Testing & Commissioning Engineer

DATE OF BIRTH :01-06-78

NATIONALITY :Indian

QUALIFICATION :Bachelor of Engineer -2001

EXPERIENCE : 9 years

PASSPORT NO. : B 5873903

Details of work Experience:

1. From April 2006 worked with pdcs chennai as Sr.T & C Engineer.

2. From Jan`2003 to Mar`2006 worked in Optilase, chennai

The following projects are involved,

- 1.Space Application Center – Ahmedabad.
- 2.Semicondutors Complex Limited,Mohali.
- 3.Bharat Heavy Electrical Limited(BHEL)Trichy.
- 4.Bharat Electronics Limited(BEL) Bangalore.
- 5.Deutch India Bangalore.
- 6.IPR(Indian plasma Research center)Gujarat.
- 7.Vikram Sarabai Space application Center, Kerala.
- 8.Johnson & Johnson, Rane, TTK Product, AVT.

3.From June`2002 to Dec`2002 worked in Sun I Tech (P) Ltd.Kodambakam, Chennai as Network Engr.

4.From Nov`2001 to Mar`2002 worked in Sun Star Industries, West Mambalam Chennai as System Coordinator.

Testing and Commissioning in PDCS

- b)Testing and commissioning of 400/220 KV PGCIL. Tirunelveli
- b)Testing and commissioning of 400/220 KV KPCL Bellary
- a)Testing and commissioning of 11/6.6 KV Hi Tech Carbon Gumudipundi,Chennai
- d)Testing of Transformer 50 MVA & 25 MVA of 132 KV GIS Pune.
- e)Annual maintanance testing of 5MW PP and sugar plant of EID PARRY NELLIKUPPAM
- f)Annual maintanance testing of 50x4 MW Diesal Power Plant of Covanta-Krishnagiri
Annual maintanance testing of 50x4 MW Diesal Power Plant of Covanta-Krishnagiri
- g)Annual maintanance testing 25 MW Powerplant of Covanta-Madurai
- h)Annual maintanance Relay testing of 200MW DIESEL POWER PLANT (GMR) in chennai

i) Annual maintenance Relay testing of ITC Kovai unit.

j) Testing and Commissioning of 400KV Adani Power Project S/S at DEGHAM-Gujarat

k) Testing and Commissioning of ABB Line protection REL670 at SamiS/S Gujarat

l) Testing and Commissioning of Siemens Make line protection 7SA622 at PUGALUR TN

Testing and Commissioning of Areva Make Differential protection P633,P632 at 400/132 KV MPSTCL,Pune

Testing and Commissioning of Areva Make line protection P643 P40Series at MAPS,Kalpakkam,TN.

Testing and Commissioning of Areva Make line Diff. protection P543 at MAPS,Kalpakkam,TN.

Testing and Commissioning of Areva Make Diff. protection P632 and B/U O/c P141 series at Essar Oli Jamnagar.

Testing and Commissioning of Areva Make Generator protection P343 IOCL,Baroda.

Overseas Experience :

a) Testing and Commissioning of 220/66/11 KV Substation Super -1 & 2 Tower East Qatar

b) Testing and Commissioning of 230/115/34.5KV S/S dharagan al janoub Saudi Arabia

c) Testing and Commissioning of 230/115/34.5KV S/S Al -Khaniq Saudi Arabia

d) Testing and Commissioning of 400 KV GIS ' M Substation' Dubai

e) Testing and Commissioning of 132/33KV 3 S/S in Kenya for Alstom India.

f) Testing and commissioning of 300/132 Kv substation in Kuwait for Hyundai Project.

f) Testing and commissioning of 380/132 Kv substation for NCC Project.

Test Equipment handled

Winding Resistance, Breaker Timing, Transformer Turns Ratio Meter, ISA-T1000, Dew point measurement
Primary injection kit, Freja 300, Sverker750, Omicron-CMC356, CPC100, SFRA and TANDELTA etc.

V.Srinivasan

CURRICULUM VITAE

NAME : V.Srinivasan

DATE OF BIRTH : 10/1/1981

NATIONALITY : Indian

QUALIFICATION : Bachelor of Engineer (2002)

EXPERIENCE : 9 years

PASSPORT NO. : Z1740882 Exp.Date:13/01/2018

Details of work Experience:

1. From year 2002 working with PDCS as Testing and Commissioning Engineer

Testing and Commissioning

- a) Testing of CT,CVT and busbar Contact resistance for 400/220KV PGCIL S/S at Hosur
- b) Testing of CT,CVT and relay panels at400KV PGCIL Udumalpet S/S.
- c) Testing and Commissioning of 132/33KV WBSEB Uluberiya S/S.
- d) Erection Supervision and testing of 132/33KV APTRANSCO S/S.
- e) Testing of 132/33KV GRIDCO S/S at Sambalpur.
- f)Testing and Commissioning of 110/25Kv Traction S/S at SURAT.
- g)Testing and Commissioning of 110/25KV Traction S/S at Acharapakkam.
- h)Testing and Commissioning of 220/132/33Kv GRIDCO S/S at Budipathar..
- I) Done Earth resistance measurment for outdoor switchyards.
- j)Testing and Commissioning of Siemens Protection for different Sites in India.
- k) Done 220/110KV BHEL S/S at HALDIA for WBSEB.
- l)Testing and Commissioning of ABB Protection for different Sites in India.
- m) Testing and Commissioning of Generator Protection for ABB,Siemens.
- n) Retrofitting & Augmentation Job for Line,T/F& Busbar protection were done all over India for ABB,Siemens&Areva.

Overseas Experience

Year 2004 deputed for OMAN thro ABB dubai for 132KV Relay panel Commissioning

From Oct 2004 to Sep 2006 worked in KSA for ABB Contracting for protection Testing

From December 2006 to April 2007 worked in KUWAIT for Siemens for the 300 KV S/S.

From June 2007 to March 2008 worked in Kuwait for Hyundai 132/33/11KV Project

From May 2008 to October 2008 worked in Kuwait for Siemens 300/132/33/11KV Project

From November 2008 to August 2009 worked in Kuwait for Hyundai 300/132/33/11KV Project

From September 2009 to October 2009 worked in Abudhabi for Hyundai 132/11KV W24 S/S

From December 2009 to April 2010 worked in Kuwait for Siemens 132/11KV S/S

From Jan 2011 to April 2011 worked in KSA for NCC in their 380KV S/S in KSA
TEST KIT HANDLED: