



Over 12 years of experience in Testing and commissioning & Consultant Witness Engineer in national grid SA.

Sivasubramanian somasundaram

Senior Commissioning Engineer

COMPANY ROLE

Electrical Senior commissioning Engineer

EXPERIENCE AND BACKGROUND

Sivasubramanian is a Registered Engineer at the Saudi Engineering Council. He has a Background that connects conventional education in **Electrical and Electronics Engineering** From ANNA University Chennai, India, with a strong experience of 12 years in Testing and commissioning. His work experience includes 06 years 03 months in DAR Engineering in KSA as a Senior Electrical Engineer (Consultant -Witnessing of Testing & commissioning), and 05 years in VOLTECH ENGINEERS PVT LTD in India as a Sr. Commissioning Engineer-I. For last 06 years 03months, Sivasubramanian is efficiently working as a Consultant-witness of testing and Commissioning Activities in 380/110/33/13.8 kV Substations of national grid, Saudi Arabia.

AREA OF EXPERTISE

- Testing and commissioning of 380/110/33/13.8/0.415kV & 400/220/110/33/11/6.6/0.415 KV Substations equipment's like EHV & HV GIS/AIS, MV SWGR, Power cables, Primary injection, Stability, power Transformers, Auxiliary transformers, CT, PT, CVT, Circuit Breakers, Isolators, Earth switch, Energy Meters, Transducers, Auxiliary relays, Control & Protection Relays, ABTS, ACCS, HV Test, Capacitor Bank ,Substation Auxiliary Equipment's like Battery Bank, Battery charger, DCDB, ACDB etc.
- Testing And Commissioning coordinator and consultant from client Side in Oil And Gas , Power plants & substations projects.
- PLC, Auto CAD, MS Office.

EDUCATION

- Bachelor of Engineering Degree in Electrical & Electronics Engineering
Duration period 2006-2010, SIT, Anna University. Tamil nadu, India.

AFFILIATION

- Saudi Engineering Council, KSA

Sivasubramanian

Senior Commissioning Engineer - Consultant (witness) engineer

**KEY PROJECTS – TESTING AND COMMISSIONING of 380/110/33/13.8 KV ,
400/220/110/33/11/6.6/0.430 KV Substations, Powerplants, Oil And Gas Projects .**

OIL AND GAS PROJECTS:

- **Senior Commissioning Engineer (OIL AND GAS), 33/11/0.433 KV SUBSTATION, Client- CAIRN INDIA LTD,BARMER, RAJASTHAN, India, 2013-2014**

Fully responsible to the site testing of Switchgear, power transformers, auxiliary transformer and MV switchgears, ACDB, Especially commissioning of WELL PADS Motors . Activities include but not limited to scheme checks, protection relays testing, close loop activities etc. Also do the coordination with all stakeholders at site and prepare weekly and daily reports of the project.

- **T & C Engineer, New 400/220 kV S/S for PGCIL , Client-IOCL(Oil And GAS) karnataka, India, 2011 - 2012**

Work as an Testing and commissioning Engineer. Fully responsible for coordination, site execution, testing and commissioning of Feeder protection Relays like REF 615,Micom P111, Motor protection P211, L & T MM30.

- **T & C Engineer, New 220/132 kV Substation, OIL And Gas Project ,Client-CAIRN India LTD , India, 2011.**

Work as an Testing and commissioning Engineer. Fully responsible for coordination, site execution, testing and commissioning of substation For Oil and gas Project of Wellpads.

NATIONAL GRID SUBSTATION PROJECTS:

- **Senior Commissioning Engineer(Consultant-Witness), New 380/110/13.8 kV BSP King Salman National guard Hospital housing Substation, KSA, 2021-2022**

Fully responsible to witness the site testing of 380, 110 KV GIS Switchgear , power transformers, auxiliary transformer and 13.8 kV switchgears. Activities include but not limited to scheme checks, protection relays testing(ABB-RED670,REF615,REC670), close loop activities etc. Also do the coordination with all stakeholders at site and prepare weekly and daily reports of the project

- **Senior Commissioning Engineer(Consultant-Witness), New 110/13.8 kV AL Bayah Substation, KSA, 2019-2020**

Fully responsible to witness the site testing of 110 KV GIS Switchgear, power transformers, auxiliary transformer and 13.8 kV switchgears. Activities include but not limited to scheme checks, protection relays testing (SEL 411L, 487V ,487E), close loop activities etc. Also do the coordination with all stakeholders at site and prepare weekly and daily reports of the project

- **Senior Commissioning Engineer(Consultant-Witness), New 110/13.8 kV AL Qaim Substation, KSA, 2018-2019**

Fully responsible to witness the site testing of 110 KV GIS Switchgear, power transformers, auxiliary transformer and 13.8 kV switchgears. Activities include but not limited to scheme checks, protection relays testing (SIEMENS 7SD5221,7RW80,ZIV RTV), close loop activities etc. Also do the coordination with all stakeholders at site and prepare weekly and daily reports of the project

- **Senior Commissioning Engineer(Consultant-Witness), 110/33/13.8 kV AL Khurmah SS, KSA, 2017-2018**

Fully responsible to witness the site testing of power transformers and 33 kV switchgears. Activities include but not limited to scheme checks, protection relays testing(MICOM P642,P546,P111,P211), close loop activities etc. Also do the coordination with all stakeholders at site and prepare weekly and daily reports of the project

- **Senior Commissioning Engineer(Consultant-Witness), New 380/110/13.8 kV AL Khalidiyah BSP, KSA, 2016-2017**

Fully responsible to witness the site testing of power transformers,HV GIS 380 & 110 KV voltage level and 13.8 kV switchgears. Activities include but not limited to scheme checks, protection relays testing(ZIV 7IRV SIEMENS 7SJ61,7UT61,GE C70), close loop activities etc. Also do the coordination with all stakeholders at site and prepare weekly and daily reports of the project

- **Senior Engineer(Oil And GAS), New 220/20 kV doshi, kabul, Afghanistan, 2015**

Fully responsible to witness the site testing of 220 KV AIS Switchyard, power transformers, auxiliary transformer and 13.8 kV switchgears. Activities include but not limited to scheme checks, protection relays testing, close loop activities etc. Also do the coordination with all stakeholders at site and prepare weekly and daily reports of the project.

POWERPLANT PROJECTS:

- **Testing & Commissioning Engineer 4*600 MW Thermal power Power Plant,orissa india, 2012-2013**

Work as a testing engineer. Responsible for Site testing of Generator protections relays (Make Schlumberger) and Line Protection Relays includes ABB REL-511, Motor protection SPAM 140 and SPAM 130.

- **Project Engineer , Chettinadu cement plant, karikali, Tamilnadu, India,2010**

Work as a Project Engineer. Fully responsible for coordination, site execution, Panel erection, cable laying And control panel wiring ,testing and commissioning of substation.

- **PROTECTION RELAYS:**

Line Differential - ABB670, SIEMENS 7SD5221, Micom P546, SEL 411L.
 Transformer Differential - SEL 487E, Micom P642, SIEMENS 7UT61.
 Over Current & Earthfault - REF 615, MICOM P111, ABB SPAJ 140.
 U/V & U/F - 7RW 80 , MICOM P921
 Voltage Regulating - MR-TAPCON, ZIV RTV.
 Bay Control Relay ,ABTS,ACCS - REC 670

Personal Details :

Date of Birth : 17-12-1988
Languages Known : Tamil, English and Hindi.
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