AFNITHA NAZAR

DEWA CERTIFIED Solar Electrical Engineer offering around 6 years of experience with expertise in Project Design, Site Management, O&M activities seeking opportunities as Electrical Engineer, Project Engineer, O&M Engineer, Solar energy engineer, Project /Site coordinator, preferably into Engineering, Construction, Oil & Gas

Current Status: PURE ENERGY CONSTRUCTION LLC (MAHYKHOORY GROUP OF COMPANIES), DUBAI UAE (SEPTEMBER 2021 -TILL DATE)

Previous Experience: EMIRATES ELECTRICAL ENGINEERING LLC (AL ROSTAMANI GROUP OF COMPANIES), DUBAI UAE (JUNE 2017-JULY 2021)

Solar Energy Engineer ON Grid Projects under DEWA in Dubai Emiratefor

commercial, Industrial and Residential Buildings

- Design of Commercial, Industrial and Residential small utility scaleRoof Top & Carport ON GRID PV system.
- Review of Plan site and Collected Details like Roof Drawings, TCL, SLD, Area/shading Analysis, LV/MDB Details, Consumption Details, Space availability, POC Details & Client Requirements by coordination with Sales Engineer.
- PV sizing as per Energy Consumption and Generation.
- Solar PV Module Arrangement & Layout Preparation in simulation software's and AutoCAD
- Quantity and Rating finalization for INVERTER, AC COMBINER, METER PANEL, ISOLATOR, AC/DC Cables, Earthing Cables, etc.
- Configuration & Simulation analysis using PV SYST Software.
- AC/DC Cable Sizing, Estimation, Voltage Drop Calculations.
- Submission in DEWA Portal for NOC & DEWA Design Approval.
- Document sharing and coordination with Engineering Consultant for Area Authority Approval.
- Solar Project Design Package preparation and submission
- Expertise in Site Monitoring portal and rectification of error and alerts
- Preventative and corrective maintenance of Photovoltaic (PV) inverters, string boxes, solar panels, switchgear and other components related to the Solar PV System with technician.
- Corrective maintenance cases on PV inverters, string boxes, and solar panels etc. This includes troubleshooting, testing, and repairing activities
- Prepare reports to comply with deliverables in O&M contracts

Project Engineer - 132/11 kV Cable laying & Substationprojects (JUNE 2017

May 2021 -

- Schematic Bonding Arrangement preparation, balancing of circuit, calculation preparation for current rating and induced voltage by coordination with manufacturer
- Coordination, submission and comment clarification for technical document with DEWA TED engineers, clients & manufacturer for 132 kV Power cable & Accessories (132kV Joints, 132kV Terminations, 33kV terminations, 11Kv termination, Link Boxes, Bonding & Earthing cables).
- AUTOCAD Drawing and calculation preparation, submission and comments clarification of cable pulling route drawing for 132kV cable Laying Project.
- Coordination for FAT of equipment with manufacturer and client, Test Report checking & submission, Comment discussion with client & manufacturer.
- Coordination, submission and comment clarification for civil (Route drawings, duct bank drawings, HDD drawings) design drawings with DEWA, Client & EEE design team
- Coordination, preparation, submission and comment clarification with DEWA TED Engineers, client & manufacturer for Precast elements drawings and design calculations (132kVcable Trough, Manhole covers, Foundations)
- Project coordination between project office, site and the client.
- Coordination, submission preparation, clarifications with clients and manufactures for Materials, mix design, vendor approvals for civil materials using in 132kV Cable laying Project.
- Trail Mix for precast elements coordination with DEWA & Manufacturer. Trail Mix report collection & submission.



GET IN TOUCH

💡 Dubai | UAE

+971 56 3265831

afnithanazar1234@gmail

EXPERTISE IN

DEWA APPROVALS

DESIGN COORDINATION

DESIGN CALCULATIONS

CABLE PULLING CALCULATION

CLIENT COORDINATION

PV SIZING CALCULATION

ELECTRICAL DESIGN

MATERIAL APPROVAL

MONITORING

MAINTENANCE

FAT COORDINATION

TECHNICAL SKILLS

- AUTOCAD
- PV SYST
- SOLAR LAB
- HELIOSCOPE
- ADVANCED MS OFFICE
- C++
- MATLAB
- MICROSOFT OFFICE

EDUCATION

2016:- B- tech-E lectrical & Electronics Engineering

MG University | India.

- DEWA CERTIFIED PV
 ENGINEER
- **SOLAR EDGE PROFICIENCY**
- RASHTRAPATHY and awards of BHARATH SCOUT AND GUIDES
- Published a journal paper in IJAEEIE about wireless industrial automation
- Completed training program in AUTO CAD with Excellency.

- Manage correspondence between DEWA offices & project managers through emails/calls.
- DEWA D2 PORTAL Submission.

VOLTECH A GRADE ELECTRICAL PVT LTD| KERALA | INDIA

(Industry: Construction)

DESIGN ENGINEER TRAINEE

March 2016 - March 2017

- 1. Work as electrical engineer trainee under VOLTECH A GRADE ELECTRICAL ENGINEER
- Designing independently in the field of all commercial, industrial, domestic buildings, generators and HV substation work

Educational Achievements:

- Secondary education from Asram Higher Secondary school Kerala in Computer Science with 95% Score in 2012
- SSLC From Kerala state syllabus with Full A+ in 2010

MAJOR PROJECTS :132/11kV Cable laying

1. DEWA Contract PO. 3091800056:

Supply, Installation, Testing & Commissioning of 132 KV Cable Laying Works for **LIWAN 132/11kVSubstation** and Associated works.

2. DEWA Contract PO. 3091800029 B1, B2,C,H:

Supply, Installation, Testing& Commissioning of 132 KV Cable Laying Works for TLCM, MRNAHRBR, SEYAHIST, KERANOLA 132/11kV Substation and Associatedworks

3. DEWA Contract PO. 3761800014:

Supply, Installation, Testing & Commissioning of 132 KV Cable Laying Works for **ESKNAWIR, GRENHIL, YALAYIS, WRSNACMD 132/11kV Substation** and Associated works

- DEWA PHASE III 800 MW PV SOLARPOWER PROJECT Plot A, B & C. (Material & Cable Pulling Submission)
- 5. DEWA Contract PO. 3761800047:

Supply, Installation, Testing & Commissioning of 132 KV Cable Laying Works for MAADEN, SILICON PARK 132/11kV Substation and associated works.

6. DEWA Contract PO. 3091900069:

Supply, Installation, Testing & Commissioning of 132 KV Cable Laying Works for QUDRARD 132/33kV Substation and associated works.

7. DEWA Contract PO. 3091900071:

Supply, Installation, Testing & Commissioning of 132 KV Cable Laying Works for SATELLITE 132/11kV Substation and associated works.

8. DEWA Contract PO. 3761800011:

Supply, Installation, Testing & Commissioning of Cable Laying Works for ESTATION to GT's, SWRO , ICT, DSTATION, IBNBTML

MAJOR PROJECTS : Solar Energy

- Finance, Develop, Design, Supply, Installation, Testing, Commissioning and Maintenance of Photovoltaic Solar Power Plant at ENOC 10 sites
- 2. Finance, Develop, Design, Supply, Installation, Testing, Commissioning and Maintenance of Photovoltaic Solar Power Plant at ETISALAT CENTRES 5 SITES
- Finance, Develop, Design, Supply, Installation, Testing, Commissioning and Maintenance of Photovoltaic Solar Power Plant at Emirates International
- Finance, Develop, Design, Supply, Installation, Testing, Commissioning and Maintenance of Photovoltaic Solar Power Plant at MAHYKHOORY HEADOFFICE
- Finance, Develop, Design, Supply, Installation, Testing, Commissioning and Maintenance of Photovoltaic Solar Power Plant at SENAN INDUSTRY ROOFTOP PROJECT
- 6. Finance, Develop, Design, Supply, Installation, Testing, Commissioning and Maintenance of Photovoltaic Solar Power Plant at DM MUNCIPALITY CENTER AT AL MANARA, AL KIFAF AND AL TWAR WITH SOLAR EDGE INVERTERS

*** ACHIEVEMENTS in EEE**

Formulated Excel prepared for 132kV Power Cable Characteristics:

- 1. <u>Cable Voltage Drop</u> <u>Calculation</u>
- 2. Nominal Current Rating,
- 3. Short circuit current rating
- 4. Cable Pulling Calculation
- 5. <u>Current Rating Calculation</u> <u>in HDD & Duct Bank</u>
- 6. <u>Short circuit current rating</u> <u>for Bonding Cables</u>
- 7. Induced Voltage Calculation
- 8. Generation monitoring
- 9. <u>O&M Corrective and</u> <u>preventive log</u>
- 10. <u>O&M Work Schedule log</u>
- 11. <u>Tracker details for Design</u> <u>projects</u>
- 12. <u>Assistance for labels and other</u> <u>site activities log</u>

PERSONAL INFO

Nationality: Indian
DOB: 26 July 1994
Gender: Female
Civil Status: Married

Languages: English | Hindi

Malavalam | Tamil

Visa status: Employment

REFERENCES

Available upon request