

**MANI**

**Qualification :** BE - EEE

**Email :** **mani.373636@2freemail.com**

**Age :** 26

**Total experience :** 4.5 years

**Current designation :** Project Engineer

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| **RELATIVE EXPERIENCE** |

**SHAMS Energy Solutions L.L.C – Dubai, UAE | June ’15 – Present**

**Job Title: Solar Electrical Engineer**

**Shams Energy Solutions** is a solar engineering, procurement and construction (EPC) company based out of Dubai, specialises in on-grid systems from residential, commercial and industrial proposes. Shams Energy focus on solar projects in the emirate of Dubai under the Shams Dubai DEWA program allowing households and business to net-meter their solar energy production into their monthly bills.

**RK TECH INDIA Pvt Ltd., – Chennai, India | June ’13 – Oct ’14**

**Job Title: Service-Site Engineer – Solar and Ups Division**

**RK TECH** Group established in the year2004 – One of the leading provider of **SOLAR and UPS** Solution for better resolution of energy crisis.

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| **JOB RESPONSIBILITIES** |

* Responsible for design, analyse, selection of system components, generation of CAD layouts, electrical

 diagrams, financial analysis, compelling proposal, participating in tenders, permitting documents,

 procurement, field product performance, installation, commissioning, erection, Testing and diagnostics

 of solar power plant projects from initial to final stage individually.

* To conduct Energy Audit and formulate system model to calculate energy utilization for respective

 premises.

* Design complete Solar PV System as per the need using AUTOCAD and SKETCHUP for visual

 presentation.

* Analysing the system performance using solar simulation software like PVsyst, Sunny design, PVwatts or

 related.

* Planning and designing of the structure layouts and material requirements for the solar system with a

 BOS (Bill of the system), ROI (Return on investment) and technical proposals for the respective system

 according to electrical codes, DRRG regulations, local and international standards.

* To Prepare Execution schedule plan and visual video presentation for the clients respective to the

 execution of the project using SketchUp, GANTT chart and Hologram.

* Responsible for all construction-based structural and electrical design approvals from local govt

 agencies, authorities, consultants and clients before project commence.

* To identify cost effective and best reliable key components for PV projects.
* Responsible for coordination and recruiting of the subcontractors, labours, team members,

 transportation, logistics and suppliers to ensure all materials, equipment and installation resources are

 in place, on time and on budget.

* To train and instruct labours, supervisors, draftsman and juniors on safety precautions, work process and

 time management.

* Responsible to provide EPC solutions for solar power plant (On-Off Grid), centralized solar power

 plant, ground mounted solar systems, solar PV hybrid systems and solar water pumping systems.

* Responsible for submitting and preparing final technical documents, commissioning reports, O&M

 manual-schedule.

* Regular Site visit for cleaning, operation & maintenance of the systems and to create a data sheet on

 performance and comparison on yield.

* To Investigate customer or client complaints, determine nature and extent of problem, and recommend

 remedial measures.

* To support business development and sales team for all technical related details.

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| **CERTIFICATION & LICENSE** |

* DEWA certified PV expert.
* UAE Driving license.
* Eligible to apply as DM electrical engineer.

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| **SOFTWARE EXPOSURE** |

* PVsyst, PVwatts, Homer, PVsol, SMA Sunny design, Skelion, Helioscope.
* AutoCAD 2D & 3D (Electrical & civil), PVcomplete
* Sketch up
* MS Office tools.

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| **PROJECTS DEALED & WORKED** |

**Shams Energy Solutions L.L.C – Dubai, UAE**

* As a project engineer designed, Procured, installed and commissioned **650 kWp** solar rooftop grid tied system at Laronda Emirates LLC – Notions group – DIP, Dubai.
* Designed, procured, installed and commissioned **3.41 kWp** solar rooftop grid tied system at palm Jumeirah – residence, Dubai.
* Designed, procured, installed and commissioned **4.03 kWp** solar rooftop grid tied system for residences at green community west - DIP
* Acted as a design consultant and supervised **1.2 MWp** ground mounted system for BAB AL shams project – Ras Al Khoor.
* Designed, installed **1.2 kWp** grid tied system sample for DUBAI CARBON.
* Designed, Procured and on- going project of **70 kWp** Solar car park grid tied system at Laronda Emirates LLC – Notions group – DIP, Dubai.
* Designed, approved and on- going project of **143 kWp** Solar rooftop grid tied system at Binghatti industries LLC – DSO, Dubai.
* Designed, simulated and prepared BOQ & ROI for **120+** projects in UAE amounting to over **40 MWp** grid tied systems for industries, factories, commercial buildings, Residences and educational institutions.
* Designed, Simulated and prepared BOQ for **1-50 kW** battery based OFF-grid systems for hotels, health clubs, Medicals and training institutes.
* Design and Simulation for **1 MWp & 20 MWp** Solar PV-Diesel hybrid system for government factories and remote island.
* Worked and coordinated with most of the leading solar brands in the market.

**RK TECH INDIA Pvt Ltd., – Chennai, India**

* Acted as a Project Engineer for **120 kWp** grid-tied solar power plant at Nooral Islam University, India. Handled activities like design, procurement, installation and commissioning of the system.
* Acted as a Project Engineer for **10 kWp** off-grid solar plant at Nooral Islam University, India. Handled activities like design, procurement, installation and commissioning of the system.
* **5HP-5.25kWp** solar water pumping installations around 35 places of Tamilnadu. Handled activities like Planning of structure layout, installation, commissioning and erection of solar panel, controller box (VfD) and water pump.
* Worked in Installation of **25.76 kWp** off grid SPV plant at Abhinev high-tech College of engineering, Hyderabad. Handled installation activities like structure layout, solar panel erection, inverter, and battery connection
* Worked in installation of **3.2 kWp** (Off grid) centralized Solar Plant for 30 nos’ of 40w Induction Lights at a village.
* Installed various **1 kWp, 2 kWp, 2.5 kWp, 3 kWp, 5 kWp** both on and off grid solar power plants for residential, commercial and government buildings.
* Installed various battery based UPS systems for residences and commercial offices.
* Actively participated in various government tenders and completely involved in document preparation.
* Site survey and energy audit for various industries, factories, commercial buildings and educational institutions.

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| **ACADEMIC BACKGROUND** |

* **SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, Coimbatore, India /Aug 2009- Apr 2013**

**Bachelor of Engineering (**Major- Electrical and Electronics**)**

**CGPA-** 6.74/10

* **VIDHYAA VIKAS BOYS HIGHER SECONDARY SCHOOL, Thiruchengode, India / May 2007-March 2009**

**Higher secondary schoolings (**State Board**)**

**Percentage-** 91.2%

* **SCISM MATRICULATION HIGHER SECONDARY SCHOOL, Bodinayakanur, India/ June 2005- March 2007**

**Secondary Schoolings (**Matriculation**)**

**Percentage-** 84.9%

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| **CERTIFICATE & TRAINING COURSES** |

* Completed **SOLAR ENERGY** online course for PGD by DELFT university.
* Attended Solar Training Workshop on **Solar PV Design & Installation** conducted by EIA and TEDA 2014.
* PV power plant design.
* Certified AutoCAD specialist.
* **LOVATO** certification on interface protection.
* **SMA, ABB** training on solar products.
* Electrical safety and safety management.

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| **Skills** |

* Team work spirit and co-operation.
* Multitasking.
* Self-motivated, Self-Planning, decision making and Time Management.
* Computer-aided design competencies.
* Solar PV software competencies.
* Problem solving & troubleshooting.

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| **PERSONAL INFORMATION** |

**Age : 26**

**D.O.B : 28/12/1991**

**Nationality : Indian**

**State : Tamil Nadu**

**Marital Status : Single**

**Current city : Dubai**

**Languages known : English, Tamil, Malayalam, Telugu, Hindi**

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| **DECLARATION** |

I hereby declared that the above mentioned particulars furnished by me are true to the best of my knowledge and belief.