

MAXIMAL  
energy pvt. ltd.



## Organization Profile

Maximal Energy Pvt Ltd., is a complete turnkey solutions provider in the Solar Photovoltaic sector and luminary. Maximal Energy Pvt Ltd is poised to take a leadership role for the climate change, clean energy and sustainable development agenda. Maximal Energy will take the lead in future energy scenarios and strategies in the creation of a new framework for low carbon economy. Our hands-on experience in this sector helps to provide total integrated solutions of highest quality and reliability at competitive rates, with a promise to meet deadlines.

India has significant opportunities to accelerate growth while controlling the carbon intensity of its development path. Maximal Energy strategizes to achieve this by harnessing the substantial synergies between low carbon and economic performance.

Maximal Energy are into strategic tie ups with leading manufacturers of solar power plant components offering reliable Product Warranties.

Maximal Energy is an authorised dealer of solar water heaters, solar fencing, solar pump sets and solar street lights

Maximal Energy is happy to announce that we stepped into manufacturing of complete luminary solutions, all kind of luminary are available in our product list

Maximal Energy plans the full integration of the solar power supply chain, entering each sector of the supply chain at the appropriate time, taking advantage of structural distress in the solar sector. This enables us to take full advantage of the fixed tariff model and bring price levels which compete effectively with current less environmentally sustainable models. The agreed pricing model provides long-term stable cash flows that reduces risk across the project and allows us to manage market fluctuations in individual parts of the supply chain.

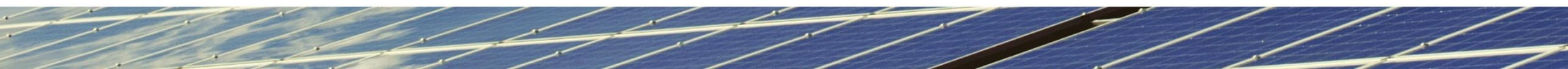


## SPV Experience from Technical Team

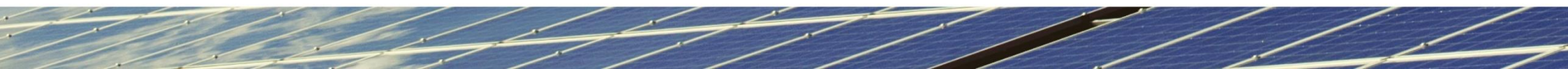
Location	Project Size	Work Details
Eluru, WG Dist	10kWp	EPC Roof Top
Eluru, WG Dist	7kWp	EPC Roof Top
Machilipatnam, Krishna Dist	8kWp	EPC Roof Top
Kakinada, EG Dist	5kWp	EPC Roof Top
Eluru, WG Dist	10kWp	EPC Roof Top
Eluru, WG Dist	35kWp	EPC Roof Top
Eluru, WG Dist	10kWp	EPC Roof Top
Eluru, WG Dist	5kWp	EPC Roof Top
Macherla, Guntur	15kWp	EPC Roof Top
Davangere, Karnataka	230kWp	Design & Engineering, Project execution
Lucknow, UP	1.1MWp	Design & Engineering, Project execution
Charanka, Gujarat	10MWp	Design & Engineering, Project execution
Muzaffarpur, Bihar	100MWp	Design & Engineering
Jaisalmer, Rajasthan	50MWp	Design & Engineering with SAT
Chitradurga, Karnataka	2.2MWp	Design & Engineering, Project execution with SAT
Gangavathi, Karnataka	3.3MWp	Design & Engineering with SAT
Kuchh, Gujarat	5MWp	Design & Engineering with SAT
Tumkur, Karnataka	1MWp	Design & Engineering, Project execution with SAT
Davangere, Karnataka	600kWp	Design & Engineering, Project execution
Bhilwara, Rajasthan	1MWp	Design & Engineering, Project execution
Bhilwara, Rajasthan	300KWp	Design & Engineering, Project execution
Bhilwara, Rajasthan	300KWp	Design & Engineering, Project execution
Bhilwara, Rajasthan	50KWp	Design & Engineering, Project execution
Jodhpur, Rajasthan	200KWp	Design & Engineering, Project execution
Jaipur, Rajasthan	200KWp	Design & Engineering, Project execution
Bhilwara, Rajasthan	1.2MWp	Design & Engineering

Project Photographs for reference

For Tracking System



Project Photographs for reference  
For RCC Roof



**Project Photographs for reference**

**For GI Sheet Roof**



Project Photographs for reference  
For Vehicle parking/Storage of materials



**Project Photographs for reference**

**For Solar water heaters, street lights, solar pump sets and solar fencing**





## SERVICES OFFERED

Maximal Energy offers a wide range of renewable energy technology options comprising of:  
The service provided by Maximal Energy is as Below

### A. Consulting service

1. Feasibility Assessment
2. Owners Engineer or Lender's Engineer
3. Design & Engineering
4. PMC – Project Management Consultant
5. Technical support in signing PPA & Application Facilitation

### B. Build, own, operate (BOO)/Build, own, operate & Transfer (BOOT)

1. Project Development
2. Project Finance
3. Purchasing
4. Planning and Execution
5. Commercial and Technical Management



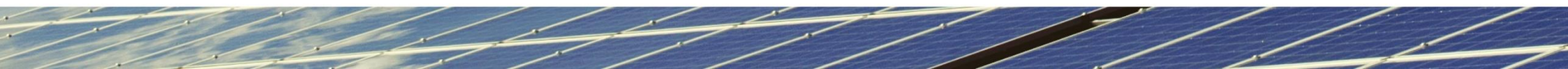
## SERVICES OFFERED

### C. Engineering, Procurement and Construction(EPC)

1. Design and Engineering
2. Procurement and Purchasing
3. Project Management
4. Construction
5. Commissioning

### D. Operation and Maintenance

1. Operate, Verify and Report
2. Monitor and Supervise
3. Preventive and Corrective Maintenance
4. Infrastructure and Training
5. Manpower Development and Maintenance Schedule



## Key Management

We, at Maximal Energy , believe that the skills and passion of our people are critical in everything we do. Our multi-cultural team consists of Electrical Engineers, Mechanical Engineers, Civil Engineers, Project Managers, Science Graduates and Economists. The key management comprises following members

- **Prakash Dasari**
- **Mahesh Surapaneni**
- **Arun Reddy**
- **Anoop Chowdary**
- **Akarsh Vishwanath**
- **Srinivasa Rao P**
- **Naresh P**
- **Vijay Cherukuri**



## Key Management

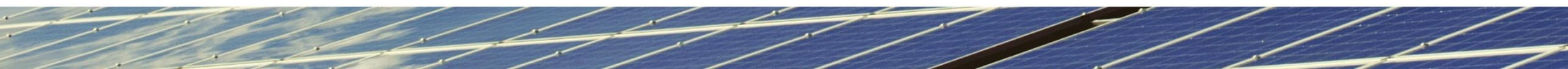
### Prakash Dasari (Director)

An Engineering graduate having around **10+ years of experience in Thermal Power and renewable energy, specialized in solar energy sector.**

He has Executed Project of cumulative capacity more than **110MWp** in ON Grid and Designed cumulative Experience more than **450MWp** in Roof Tops and Ground mounting systems

### Area Of Expertise & Strengths

- Design Engineering : Electrical and Mechanical in Thermal & Solar Power Plants
  - AutoCAD, Draft sight & sketch up, PVsyt
  - AC-DC designs for 100MWp/50MWp/25MWp/20MWp/15MWp/10MWp/5MWp/ 1MWp SPV Projects
  - Preparation SAT/FAT and installation/Testing procedures of LV-HV switchgears, Transformers, Substation equipment
  - Design Switchgears, ACCB, SJB, DCCB, all SLD's, Substation design and over all plant design
  - Knowledge in electrical calculations for each equipment in substation and for overall project, Circuit breaker, cables, transformers etc.,
- Project Execution :Thermal & Solar Power Plants
  - Installing and commissioning of all LV-HV switchgears, Transformers, Substation, panels and motors
  - Execution of projects ranges from kW to MW
- Operation & Maintenance:
  - 16MW Thermal power plant with 11/110KV Substation
  - 14MWp Solar PV power plant with 11/33KV Substation
  - 5MWp Solar PV power plant with 11/66KV Substation



## Key Management

### Mahesh Surapaneni (Senior Manager)

An Engineering graduate having around 10 years of experience in energy sector

He has Executed Project of cumulative capacity more than **45MWp** in power projects across India in various organizations

### Area Of Expertise & Strengths

- Project Execution: Electrical, Mechanical and Civil
  - Execution of projects as per the designs
  - Coordinating with vendors, execution team and other man power for successful completion of project works
  - Daily review site progress and update the daily progress report and Conducting site acceptance tests and quality test for products delivered in site
- Technical Skills
  - BOQ preparation, Drawing's Approvals (if any Changes made as per site conditions) & Check for Quality of Electrical Materials.
  - Effective evaluation, planning and development of potential sites for PV installations (roof-top and ground-mounted) with a size of up to 100MW.
  - Knowledge on Civil foundation (piling), Mechanical Structures erection, Modules Erection as per design.
  - Knowledge on Erection, Commissioning of Transformers including erection & testing of H.T & L.T Panels.
  - Working experience on supervising 132KV, 66KV & 33KV Substation works.



## Key Management

### Arun Reddy (Structural Engineer)

An Engineering graduate in civil and post graduate in structural engineering

#### Software skills :

- AutoCAD, STAAD PRO, Etabs.,
- Mx Roads,
- AutoCAD civil 3D, NISA, SAP, SAFE

#### Area Of Expertise & Strengths

- Infrastructure/ Transportation Engineering
- Structural Engineering
- Bridge Engineering
- Power Engineering
- Solar power projects for both Roof mounted and Ground mounted
- Construction of Industrial Structure
- Construction Engineering and Management
- Project Management and consulting Engineering



## Key Management

Anoop Chowdary (Sr. Design Engineer)

An Engineering graduate in civil and Masters in structural engineering and more than six years of experience in design

### Software skills :

- STAAD pro, Solid works
- AutoCAD, Math CAD
- Esurvey CAD, Sketch up

### Area Of Expertise & Strengths

- Have an experience in Staad pro, Solid works and AutoCAD software.
- Design and analysis of Solar structures and optimization using Staad Pro software.
- Calculation of loads which are acting on the structures.
- Preparation of Design documents and installation manuals.
- Preparation of different types of Ground mounting and Roof top structural drawings.
- Preparation of G.A drawings and Fabrication drawings.
- Preparation of Bill of Materials.
- 3D- checks of 2D components using Solid works software.
- Preparation of Layout for Marking the foundations and co-ordinates.
- ESurvey CAD experience in Earth work quantity, LS, CS, Contour Grid calculations.
- Have experience on operating of Total Station Instrument for surveying.
- Experience in Google Earth work.
- Subject knowledge on Strength of materials, Structural Analysis, RCS and Concrete tech.
- Calculation of steel, Concrete and Centering Area. (as per drawing)

## Key Management

### Akarsh Vishwanath (Business Development)

Masters in Structural Engineering from National Institute of Engineering, Mysore, Karnataka

### Area Of Expertise & Strengths

- Worked as a free lancing consultant for Solar rooftop projects and successfully executed 2MW capacity of Solar Roof top project at a warehouse near Budihal, Nelamangala
- 13MWp of PILE WORKS ,6.5MW DC WORKS and construction of MCR for 69.7MW(DC) of TATA POWER SOLAR in the Prestigious 2000MW Mega Solar Park Project at Thirumani, Pavagada(D)
- 40MWp Pile & MMS works at ESSEL PROJECTS, Budaun ,Uttar Pradesh
- 60MWp(40+20) Pile, Installation & Commissioning of DC works at ESSEL/GE PROJECTS in Parbhani,Maharashtra
- Is working in business development, he is one of crucial in getting the business contacts from various places with respect to investment and clients
- Expertise in getting new contacts





## Key Management

### Srinivasa Rao P (Business Development)

- Is working as an associate in business development, he is one of crucial in getting the business contacts from various places with respect to investment and clients
- Expertise in getting new contacts
- Maintain a professional relationship with clients to inform them about new developments in the company's projects and policies

### Naresh P (Sr.Engineer – Design)

- An Engineering graduate in Mechanical
- More than 4 Years experienced in Solar PV plant design and project execution
- Skilled in AutoCAD, STAAD, Sketch Up and PVsyst

### Vijay Cherukuri (Sr.Engineer – Design)

- An Engineering graduate in Electronics and communications
- More than 3Years experienced in Solar PV plant design and liasioning
- Skilled in AutoCAD



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