



# *Soni Energy Solution*

*Most efficient power solution provider...*



## COMPANY'S PROFILE

SONI ENERGY SOLUTION - AHMEDABAD

B – 8, Ananya Apartments, B/h. Ananya Bungalows,  
Near Mangaleshwar Mahadev, Ghodasar, Ahmedabad – 380050, Gujarat - INDIA  
Cell: + 91 - 7777993710; Email: [sonienergysolution@gmail.com](mailto:sonienergysolution@gmail.com), URL: [www.sonienergysolution.com](http://www.sonienergysolution.com)

[f](#) SoniEnergySolution [in](#) sonienergysolution [t](#) SONIEnergySol [g+](#) page: +SONI Energy Solution Ahmedabad



# Company Profile



## ***Contents ...***

<b>SR No</b>	<b>Description</b>	<b>Page Number</b>
1.0	Introduction to SONI Energy Solution	3
2.0	Mission and Vision	4
3.0	Available Tools and Equipment	5 - 6
4.0	Services we Provide	7 - 11
5.0	List of Client and Services to Them	12 - 15



## About Us . . .

### ***Introduction of SONI Energy Solution:***

We are the government approved electrical contractor, growing consultant and traders having rich experience in electrical and power engineering sectors. We are based at Ahmedabad in GUJARAT. We deliver services from low voltage to extra high voltages.

We have been empowering with highly skilled technocrats and Innovative professionals having more than 25 years of experience in power industries. Our professionals are keen to deliver the total power solutions to the rapidly expanding electrical and power industries with prompt and economical solutions.

Installations, commissioning, Testing, maintenance, condition monitoring, designing, third party inspection safety & energy audit, selecting project site and project land purchasing, feasibility study and power evacuation are the key components in our portfolio.

We can also offer project base consulting solutions as per client's requirements. Along with this we can undertake liaison activities with all PSU and government departments like State transmission company, State power distribution companies, SLDC, State Energy Development authority, State Energy Departments.

We are the best service provider in following areas of Power and Electrical Industries ...

- LV - HV & EHV Substation up to 220 KV
- Transmission network up to 220 KV
- Distribution network 415 Volts to 33000 Volts
- Power Plant maintenance
- Solar Power Generation
- Industrial – Commercial – Residential electrification
- Third party inspection
- Material Supply
- Technical Training



## **Mission and Vision**

### ***Our Mission:***

- Deliver effective and efficient services to clients with high degree of quality standards. Customer satisfaction is our prime motive.
- Improve our services to clients with implementation of feedback and self-monitoring systems. Deliver extra values to customers against their expectations.
- To learn continually for improvement along with developing market. Train team members for achieving high competency and self-development. Introducing latest safety practices and technology in day to day routine.
- Always keen to put step forward for conservation of energy, save nature, environment, surroundings. Minimize pollution and work with safety.

### ***Our Vision:***

- To become one of the most admired Integrated Power Solution delivering organization in industry.
- To become one of the high quality of turnkey solution provider in power sector.
- To achieve excellence in execution, quality, reliability, safety and operational efficiency least expenditures among all solution providers in power industries.
- To become one of the leading green energy promoter in market to lower the environmental impact in coming years.



## **Available Tools and Equipment**

- 1000 Volts Megger: 02 No.
- 5000 Volts Megger: 01 No.
- Relay testing set: 01 No.
- DC - HV Cable Testing Set (High Voltage Set 0 to 40 KV): 01 No.
- AC High Voltage Test Kit (High Voltage Set 0 to 30 KV): 01 No.
- High Voltage Detector: 01 No.
- Primary Injection Kit (0 to 500 Amps): 01 No.
- Transformer Testing Kit (Power & Distribution from 50KVA to 100 MVA): 01 No.
- Earth Tester: 01 No.
- AC Clip-on Meter: 06 No.
- DC Clip-on Meter: 01 No.
- AC – DC mill ampere Clip-on Meter: 01 No
- Digital Multi meter: 04 No.
- Capacitance Meter: 01 No
- Test Lamp: 03 Nos.
- Extension Board with MCB & ELCB: 05 Nos.
- Crimping Tool: 04 No. (For control wiring and up to 300 Sq mm cable)
- Oil filling Motor Pump & Pipe set: 01 No.
- Power Transformer Service and Overhauling Kit: 01 No.
- Spanner Sets / Tool box: 04 Nos.



- Torque Wringer: 02 No.
- Control Wiring Tool Kit: 02 Set.
- Hand Drill Machine: 03 No.
- Pedestal Drill Machine up to 19 mm: 01 No
- Hand Grinder: 02 No.
- Electrical Blower: 02 No.
- Cutting Machine: 02 No. (4" and 14")
- Hot Air Gun – 2000 Watts: 01 No.
- Welding Machine: 02 Nos.
- Transformer Gasket Cutting Set: 02 No.
- Pipe bending Machine up to 4" Diameter: 01 No.
- Safety Helmets, Safety belts and gloves: 01 Lot.
- Earthing Stick: 05 No.
- Ladders & Scaffolding: As needed.
- Chain pulley Blocks: 01 Set.
- Lifting Belts: 06 Nos.
- Crow Bars, Rollers and Manila Ropes for Material Shifting: As needed.
- Transmission Line & Switch yard Conductor Stringing Tools: 01 Set.
- Derrick for 66 KV Switchyard Equipments: 01 No.
- Derrick for 132 KV Switchyard Equipments: 01 No.



## **Services provided By SONI Energy Solution – Ahmedabad**

### ***Power Transmission and Distribution network:***

- Erection of LV and HV Distribution Overhead and Under Ground Network.
- Erection, Commissioning and Testing all LV and 11KV Switchgears.
- LV Service apparatus + 11KV Consumer Apparatus Erection + Testing + Commissioning
- Maintenance of all LV and HV Network and Components.
- Erection of 33 KV – 66 KV – 132 KV transmissions Line and Under Ground Cables.
- Erection, Commissioning and testing all Switch Yard components up to 220KV.
- Condition Monitoring of all Switch Yard components up to 220 KV.
- Maintenance of all Switch Yard components up to 220 KV.
- Control panel erection, wiring, testing.
- Protection system testing.
- Relay – Electromechanical, Static, Numerical relay commissioning, testing.
- Substation Earthing and Substation lighting
- Distribution and Power Transformer Services – Painting and Overhauling + Oil filtration.
- Battery Banks - Chargers and Auxiliary supply.
- Distribution and Power Transformer Oil filtration (50 KVA to 150 MVA).
- Control and Power Cable laying.
- Cable end termination / Jointing Cable testing – Cable fault location and repairing.
- Emergency Services – Shut Down / Breakdowns from LV to 220 KV.
- Power Evacuation – Feasibility study.





### ***Thermal and GAS based Generation:***

- Thermal and Gas based power plant LV Distribution board – Panel board maintenance and testing
- 415 V – 6.60 KV – 11.00 KV Auxiliary supply panel Boars maintenance and testing
- ESP Transformer Maintenance, Testing and oil filtration.
- Station Transformer Maintenance, Testing and oil filtration.
- Unit Auxiliary Transformer Maintenance, Testing and oil filtration.
- Generator Transformer Maintenance, Testing and oil filtration.
- Generator Maintenance and Testing up to 120MW.
- Generator accessories and equipment Maintenance and Testing.
- Generator main Bus Duct (11KV) Maintenance and Testing.
- Generation switchyard Maintenance, Testing and oil filtration.
- Emergency Services – Shut Down / Breakdowns from LV to 220 KV.
- Erection – Dismantling and shifting of Power Plant equipment.
- Power plant shutdown related work.
- All kind of electrification work in Power Plant.
- Power cable and Control Cable laying.
- Power cable and Control Cable Termination work.



### ***SOLAR Power Generation:***

- Solar PV Based Roof Top System Erection – Commissioning – Testing.
- Solar PV Based MW Size System Erection – Commissioning – Testing.
- Maintenance of Solar PV System.
- Project Site selection, Power Evacuation and Feasibility.
- Assistance in project land purchasing.

### ***Design and Development:***

- Substation layout and single line diagram.
- Bill of Material for project.
- Project cost Estimation.
- Specification and GTP preparation.
- Designing SOPs and Operation & Maintenance schedules.
- Cable laying schedules.
- Control wiring scheme – Protection Scheme and domestic wiring scheme designing.
- Control panels – AVR Panels
- Tender document preparation – Techno Commercial and Price bid evaluation.
- Quality Assurance Plan.



### ***Electrification Projects:***

- Residential – Industrial – Commercial electrification projects.
- Township electrification projects.
- Street Light Projects.
- Solar street lights.

### ***Material Supply:***

- Electrical Material supply as per client's requirement.
- Solar Street Lights, LED lights.
- Power factor improvement panels, Control and Protection panels as per client's requirement.
- Stationary and Rotating equipment, Instruments, Trainer's model for educational institutions.
- Safety equipment,

### ***Audit:***

- Energy Audit.
- Safety Audit.
- ISO 900 – 2008 / 2015 documentation and assistance in Audit.



### ***Third Party Inspection:***

- Third Party Inspection of all Low Voltage electrical products.
- Third Party Inspection of Rotating machines.
- Third Party inspection of 11KV power components like Cables, Conductors, RMUs, Circuit Breakers, Capacitor Banks, Current and Potential Transformers, Distribution Transformers.
- Third Party inspection of EHV power components like Cables, Conductors, Circuit Breakers, Current and Potential Transformers, Isolators, Distribution Transformer and Power Transformers.

### ***Training:***

- Freelance service as faculty/trainers for all Electrical Engineering subjects.
- Skill development programs, Safety training modules, Self-awareness programs, Basics of Electricity, Energy conservation, Design training course as per requirement of clients



## ***Our Valuable Clients and details of services to them***

- **Torrent Power Limited (Transmission and Distribution Department- Ahmedabad)**

Torrent Power Ltd. – Ahmedabad is associated with Power Generation, Transmission and Distribution business having peak demand of approximate 1900.00 MW and have Transmission and Distribution network in Ahmedabad and Gandhinagar cities of Gujarat.

### **Our Services:**

Installation – Erection, Testing, Commissioning of Substation Switch yard from 11KV to 132KV. Power Transformer erection – Oil Filtration, Power and Control Cable Laying, 11KV Capacitor Bank erection, Retro fitting of all equipments, Maintenance – Services – Condition monitoring. Till date we have successfully Completed more than 25 Projects (Voltage Level: 110V DC, 415 V, 11KV, 33KV, 66KV, 132KV).

- **Torrent Power Limited – AMGEN (Generation Department- Ahmedabad)**

AMGEN, is Power Generation unit of Torrent Power Ltd. having 420 MW Installed capacity with 04 Nos of Generators – Coal Based Power Generation units at Sabarmati, Ahmedabad.

### **Our Services:**

Power Transformer and other equipment shifting, Transformer Oil filtration. Maintenance and Testing of all major electrical equipment during annual schedule shutdown like ESP transformer, Station Transformer (2 MVA), Unit Auxiliary Transformer (15/16MVA), Generator Transformer (140 MVA). Maintenance and Testing of 110 / 120 MW Generator Excitation system, 11KV Bus ducts, 11KV Potential Transformer, assistance in Generator Testing, Generator Neutral Earthing Transformer. Maintenance and Testing of Panel Boards 415 V, 6.6 KV, 11KV.



- **H. Construction (Ahmedabad - Gujarat)**

H. Construction is Government Approved Electrical and Civil Contractor based at Sabarmati, Ahmedabad. They are providing services in field of Electrical Power Sector up to 400 KV.

**Our Services:**

We assist them in Erection of EHV Network and Testing. Testing of EHV Current Transformer, Potential Transformer, Power Transformer up to 75 MVA, EHV Isolator, EHV Circuit Breakers, 11KV and 33 KV Panel Board Testing.

- **Sonal Fabricators (Ahmedabad - Gujarat)**

Sonal Fabricators is Government Approved Electrical Contractor based at Ahmedabad. They provide services in field of Electrical Power Sector up to 220 KV in GETCO and Torrent Power Ltd.

**Our Services:**

We assist them in Erection of EHV Network and Testing. Testing of EHV Current Transformer, Potential Transformer, Power Transformer up to 75 MVA, EHV Isolator, EHV Circuit Breakers, 11KV and 33 KV Panel Board Testing.

- **Suven Electricals (Mumbai - Maharashtra)**

Suven Electricals is Government Approved Electrical Contractor based at Mumbai. They provide services in field of Electrical Power Sector up to 132 KV.

**Our Services:**

We provide all Testing Facilities to them. Testing of EHV Current Transformer, Potential Transformer, Power Transformer up to 75 MVA, EHV Isolator, EHV Circuit Breakers, 11KV and 33 KV Panel Board Testing.



- **Ankit Associates (New Delhi)**

Ankit Associates is Government Approved Contractor based at Delhi. They are official partner of SIEMENS and provide services in field of Electrical Power Sector up to 400 KV.

**Our Services:**

We provide all Erection – Commissioning & Testing Facilities to them. Control Panel Erection, Relay Testing.

- **Proactive Construction Pvt, Ltd. (New Delhi)**

Proactive Construction Pvt. Ltd. associated with Civil Construction Business based at New Delhi.

**Our Services:**

We provide all Kind of electrical testing Facilities for Earthing and other Equipments.at GIFT City Project at Gandhinagar.

- **Shree Engineers (Nasik - Maharashtra)**

Shree Engineers is Government Approved Electrical Contractor based at Nasik, Maharashtra. They are Official services partner to Schneider Electricals.

**Our Services:**

We provide Electrical Testing Facilities for Distribution Package Sub Station up to 2000 KVA – 11KV/415V.



- **National Infra Engineering Company (Jodhpur – Rajasthan)**

National Infra Engineering Co. is Government Approved Contractor based at Jodhpur - Rajasthan They are associated with Civil and Infrastructure Construction Business.

**Our Services:**

We provide services for Gantry and Equipment Structure Erection (GI / Steel) in EHV Sub-station in EHV Sub-station up to 132KV.

- **Padmavati Construction Co. (Ahmedabad - Gujarat)**

Padmavati Construction Co. is Government Approved Contractor based at Ahmedabad. They are associated with Civil and Infrastructure Construction Business and Torrent Power Approved Contractor.

**Our Services:**

We provide services for Gantry and Equipment Structure Erection (GI / Steel) in EHV Sub-station in EHV Sub-station up to 132KV.

- **IG Infra Construction Co. (Ahmedabad - Gujarat)**

IG Infra Construction Co. is Government Approved Contractor based at Ahmedabad. They are associated with Civil and Infrastructure Construction Business and Torrent Power Approved Contractor.

**Our Services:**

We provide services for Gantry and Equipment Structure Erection (GI / Steel) in EHV Sub-station for 66KV and 132KV.