

## ABOUT VKES

Vidyuth Kanti Engineering Services is a Bangalore based Startup by Paneendra Kumar BL.

Paneendra kumar BL is a Chartered Engineer (UK), Senior member IEEE (USA) , Associate member institute of engineers India.

Has done Masters in power system from IIT delhi and BE Electrical from RV college of engineering Bangalore.

He has 15 years experience in Electrical Engineering of Industrial power distribution, Power plants, Oil and gas, Transmission and Distribution and Power quality. He has published paper in IEEE

## OUR STRENGTH

We give importance for Ethics and Transparency.

We will design a reliable and cost effective electrical system by following standards and regulations.

When standards and regulation are not clear we will refer to established industrial practises supported and verified by in-house research.



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**CAPTIVE POWER GENERATION SOLAR  
POWER, BIOMASS GASIFIER AND  
WASTE to ENERGY**

**POWER SYSTEM STUDY  
DETAILED ENGINEERING**

**TRAINING IN ELECTRICAL  
ENGINEERING**

**VKES**  
**VIDYUTH KANTI ENGINEERING  
SERVICES**



## **CAPTIVE POWER GENERATION SOLAR POWER, BIOMASS GASIFIER WASTE to ENERGY, KW RANGE**

Feasibility study

Biomass Assessment:

Plant Capacity finalization

Detailed Project Reports

Detailed engineering

Sourcing, tendering, bid evaluation,  
techno-commercial negotiations,

Inspection and quality management

Vendor Negotiations

Project Management services

Supervision of erection, testing and  
commissioning

Grid connectivity

Arrangement of subsidies and  
Carbon credit

## **TRAINING IN ELECTRICAL ENGINEERING**

**TRANSFORMER AND GENERATOR SIZING**

**UPS, DC SYSTEM AND BATTERY SIZING**

**CABLE AND BUS DUCT SIZING**

**NGR/NGT SIZING**

**EARTHING BY IS, IEEE 80 METHOD**

**LIGHTNING PROTECTION**

**SHORT CIRCUIT FORCE CALCULATION**

**TEMPERATURE RISE CALCULATION**

**CT APPLICATION CHECK**

**RELAY COORDINATION**

**LOAD FLOW & SHORT CIRCUIT STUDY**

**TRANSIENT STABILITY STUDY**

**MOTOR STARTING STUDY**

**INSULATION COORDINATION**

**HARMONIC STUDY**

**ARC FLASH ANALYSIS**

**SINGLE LINE DIAGRAM**

**PROTECTION OF MOTORS, GENERATORS**

**PROTECTION OF TRANSFORMERS**

**AREA CLASSIFICATION LAYOUTS**

**VENDOR DRAWING REVIEW**

**PREPARATION OF SPECIFICATION**

**POWER SYSTEM STUDY -ATP/EMTP MATLAB**

**RENEWABLE ENERGY**

We Conduct both In house Training as well  
as provide training at Clients workplace.



## **POWER SYSTEM STUDY DETAILED ENGINEERING**

Preparation of Single line diagram

Earthing grid design,

Battery sizing Calculation,

Direct Stroke Lightning Protection

Transformer ,Emergency DG Sizing

SC force Calculation

Bus bar temperature rise calculation

Block interlogic diagram (BID)

NGR NGT Sizing Calculation

Protection Coordination

Load flow

Short Circuit Study,

Motor Starting Study,

Transformer Inrush Study

Dynamic and Transient Stability

Insulation Coordination

Harmonic study

Arc Flash Analysis

Relay Coordination