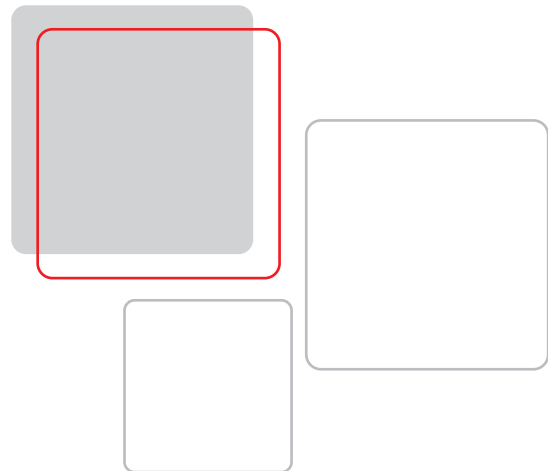
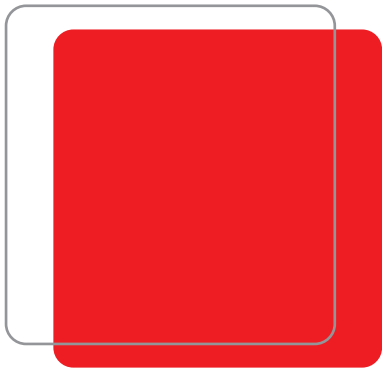


## HT & LT SWITCHBOARDS



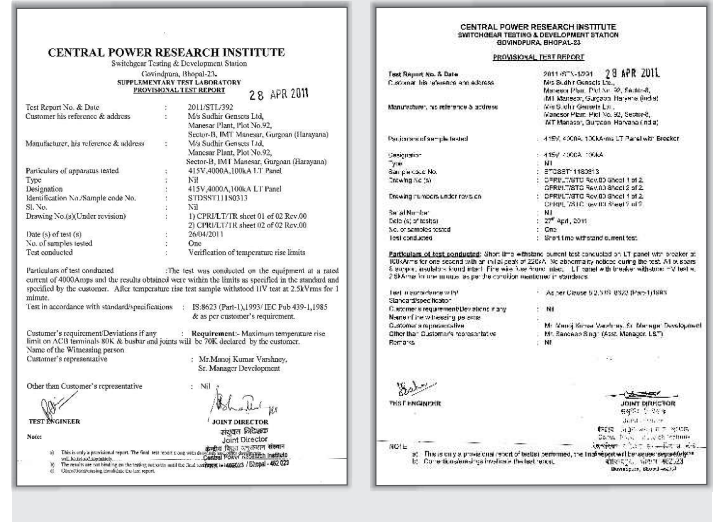
Sudhir is a name synonymous with power. It stands tall in the Power Generation Sector, providing complete turnkey electrical solutions from Generation, Distribution to Electrification. An industry leader in the field of setting up Diesel based captive power plants upto 20 MW and having its corporate office in Gurgaon with a revenue of over INR 1400 Crores. The company has a wide blue – chip customer base and operates through multiple manufacturing facilities across India.

## Sudhir gensets at a glance:

1. A complete Power Solution company
  - Diesel/Gas Gensets :** 7.5 - 3000 kVA
  - Transformers :** Oil type 20 MVA
  - Dry type :
  - Cast Resin - 10 MVA, 33kV
  - VPI Type - 5 MVA, 22 kV
  - Packaged Substations:** 2000 kVA, 33kV
  - HT Switchboards:** 11 kV & 33 kV
  - LT Switchboards:** Power Control Centre, Motor Control Centre, Synchronization panel
  - Turnkey Contracts :** All Electro Mechanical services
2. India's largest Generator set manufacturer over 10,000 MW installation base
3. Eight state of the art manufacturing plants at Silvassa, Masat, Manesar, Bangalore & four at Jammu.
4. Six Sigma & 5 S shop floor practices

- Customer choice of protection, metering and controlling including SCADA interface
- Floor mounted VCB with ramp & spring charging handle
- Single & Double Front Panel (PCC/ MCC /PMCC / MDB)
- Provision for padlocking feeder & bus bar shutters
- Conforms to IS - 3118 & IEC - 62271 - 100 Standards

## Certifications

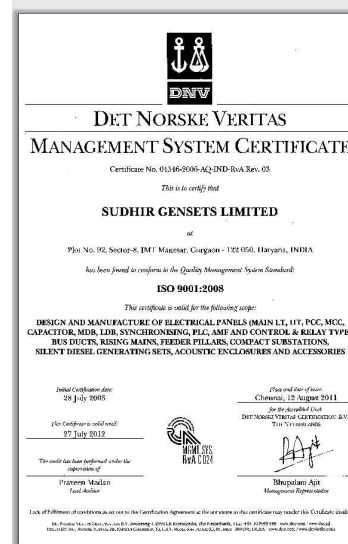


## Switchboards

Foremost in quality of workmanship and investment in “state of art” technology to manufacture world class HT & LT Switchboards, we have established ourselves as a symbol of quality and innovation in this field. The Design and Engineering department is well equipped with Computer Aided Design (CAD) systems and drafting facilities for accurate and quick preparation of design and execution.

- CPRI Tested HT Panels (11 kV & 33 kV) & LT panels (50 / 70 & 100 kA with ACB and Temperature rise)
- CPRI tested panel enclosure degree of protection - IP-54, IP - 55 & IP 65

## Quality Policy



We are committed to design, manufacture, supply & install equipments to the utmost satisfaction of our customers. We strive to continuously improving all our systems. We believe this is possible only by the involvement & participation of the entire team.

**Sudhir Seth**  
Chairman & Managing Director

## LT Switchboards

- Main LT Panel
- PCC (Power Control Center)
- Auto/Manual Synchronising / Load Sharing Panel
- AMF Panels
- MCC (Motor Control Center)
- Control and Relay Panel
- Control Desk & Mimic Panels
- Intelligent Switchboards with Computer & BMS Interface
- Capacitor Panel
- Feeder Pillar
- Meter Board
- Main Distribution Board (MDB)
- Bus Ducts & Rising Mains





## Salient Features

- Design tested at CPRI for short circuit & temperature rise as per IS standards
- One of the first to get designs type tested at 100 kVA with switchgear
- 4000 A Panels successfully tested at CPRI for temperature rise as per IS standards
- Form 1/2/3a/3b/4a/4b design, in DOP- IP- 54.
- CNC Fabricated fully bolted standardized designs
- Computer Aided Design(CAD)systems
- Panel enclosure degree of protection IP - 54, IP - 55 & IP 65
- Anti corrosion treatment
- Automatic spray conveyrised Pre Treatment plant with 11 Tank Process
- Painting in dust & vermin proof paint booths & ovens
- Non hygroscopic SMC bus bar supports for best mechanical & electrical strengths for fault current withstand
- Bus bars and interlinks are insulated with heat shrinkable PVC sleeves
- Provision for future expansion for both sides
- All live parts are shrouded with polycarbonate sheets

▼ CNC Punching Machine with Auto Loader



CNC Bending Machine ▼



▼ Automatic Spray Surface Treatment &amp; Powder Coating Plant



Panel Testing ▼



## HT Switchboards

"Sudhir is a leading Panel manufacturer in North India and an Alliance partner of Schneider. Our range offer state of art switchgear for 11 & 33kV with cutting edge technologies in VCB & SF6 upto 1500MVA fault levels."

HVX is the latest range of vacuum circuit breakers. It offers proven state-of-the-art design to meet to specification for power switching devices in air-insulated switchgear upto 36 kV. HVX brings a valuable solution to your project.

"We have brought together the combined experience of our partner Schneider Electric to bring you the latest technology with time - tested and proven reliable design."

This latest addition to our range of vacuum interrupters reinforces our technological position as vacuum switching market leader. Thanks to the improved contact design, our interrupters provide unrivalled performance for their reduced size.

Operating mechanisms have been simplified to increase reliability and give extended life with very low maintenance.

Instead of the traditional spring operating mechanism, HVX decreed a single-shaft system and only one torsion spring, reducing the number of parts an increasing the reliability.

The HVX panel meets the latest requirements of IS and ANSI standards



11 kV HT Panel



Schneider Circuit Breaker



33 kV HT Panel

	11kV Panel/VCB	33kV SF6 Panel/VCB
Type/Model	VCB,Indoor type,Model-HVX	SF6,Indoor type,Model-SF1
Reference standard	IEC 62271-100	IEC 62271-100
Rating Current	800A/1250	800A/1250A
Rating Voltage	12kV	33kV
Rated Frequency	50Hz	50Hz
Rated Short Circuit Breaking Current	20kA/25kA for 3 sec	25kA for 3 sec
Insulation level		
Impulse Voltage withstand with	75kVp	170kVp
1.2 / 50 micro sec. wave		
1 Min. 50Hz voltage withstand	28kV	70kV
Overall dimensions in mm (LxBxH)	540mm X 1807mm X 2270mm	1100mm X 2800mm X 2400mm



# Reference List

Segment	Customers
Auto	    
Government	    
Hotel	    
IT	    
Other	    
Real Estate	     



Corporate Office



Athal Plant



Jammu Plant



Manesar Plant

## Sudhir Power Limited

(Formerly known as Sudhir Gensets Ltd.)

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 Karnal | Ludhiana | Silvassa | Srinagar | Surat | Udaipur