



SM Engineers India

INSTRUMENT :

Pressure
Temperature
Level
Flow

ELECTRICAL :

Generation
Transmission
Distribution
Protection
Measurement
Testing



❖ PRESSURE :

□ Pressure Gauges :

- Dial : 1", 1.5", 2", 2.5", 4", 6", 10"
- Range : Vacuum to 2500 Kg/ccm²
- Bourdon Sensing Pressure Gauge
- Master Pressure Gauges
- Differential Pressure Gauges
- Absolute Pressure Gauge
- Solid Front Phenolic Case Pr. Gauges
- Diaphragm Sensing Pressure Gauge
- Pressure Gauge with In-built Transmitter
- Hygiene Pressure Gauge
- Hygiene Pressure Gauge



□ Pressure Switch :

- Indicating Pressure Switch
- Micro-switch & Electric Contact
- Indicating Pr. Switch (Inductive/Namur switch)
- Indication Low Range Pr. Switch
- Indicating Differential Pr. Switch
- Range (-600) mmwc to 400 Kg/cm²
- Blind Pr. Switch
- Pr. Switch with Chemical / Diaphragm Seal Unit
- Fixed & adjustable DP type



□ Pressure Transmitter & Switch :

- Pressure Transmitter
- Range 100 mbar to 600 bar
- Digital Pressure Gauges - Piezo Resistive
- Super imposed signal for HART protocol
- Continuous pressure transmitter for high temp. Process control
- Continuous pressure transmitter for Process control systems
- Digital communication
- Differential Pressure Transmitter
- Differential Pressure Transmitter with switch



□ Accessories :

- Syphon
- Universal Adaptor or Gauge Union
- Snubber
- Gauge Cock 2 way & 3 way
- Ball Valve, Needle Valve
- Valve & Manifold
- Flushing Rings
- Instrument Cooling Tower
- Tube/ Fitting end closer
- Union/Reduce Union
- Connector





❖ Temperature :

❑ Dial Thermometer :

- Bimetal Dial Thermometer
- Gas Filled Dial Thermometer
- Silicon Filled Thermometer
- Skin Type Thermometer
- Dial Size : 100mm, 150mm, 250 mm
- Range : (-) 200 to 800°C
- Stem type / Capillary type
- Blind Temperature Switch



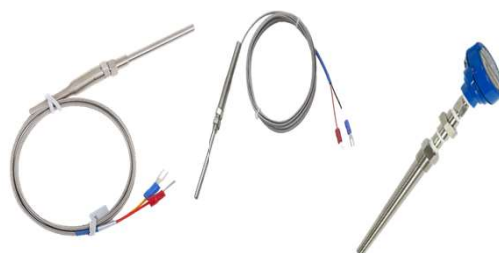
❑ Temperature Transmitter :

- Digital Temperature Dial Thermometer
- Input : RTD, TC (J&K), Resistance, Millivolt (0-100mV)
- Battery operated
- Class Protection IP65, IP67
- Head / Rail Mounted Temp. Transmitter
- Smart Temperature Transmitter



❑ Thermocouple :

- Thermocouple Assembly
- Thermocouple with Protection Tube
- Bearing Temperature Thermocouple
- Quick Response Thermocouple
- Type : B, R&S, N&K, E,J,T, C



❑ Thermowell :

- Bar stock Threaded Thermowell
- Straight, Taper, Stepped Thermowell
- Vanstone type Thermowell
- Silicon Thermowell
- Carbide Thermowell
- Cermet(LT-1) Thermowell
- Solid Sintered Tungsten Carbide



❑ Resistance Temp. Detector :

- RTD Assembly
- Range : (-) 100 to 400°C
- PRT Range : (-) 200 to 850°C
- Bearing Temperature RTD
- RTD with weld pad & Cable
- Fully spring Loaded RTD for vibration



❑ Ultrasonic Level Transmitter:

- Ultrasonic Level Transmitter
- Battery operated Ultrasonic Level Transmitter
- Non-Contact Radar Level Transmitter
- Guided wave Radar Transmitter
- Continuous level transmitter





❖ Level :

❑ Level Gauges & Switch:

- Transparent Level Gauge
- Reflex Level Gauges
- Tubular Level Gauges
- Magnetic Level Gauges
- Float & Tape Level Gauge
- Float & Board Level Gauges
- Level Transmitter Chambers for Guided wave
- Radar Float operator level Transmitters
- Direct Insert & External Chamber type
- Level Switches Displacer type
- Level Switches Multiport Level
- Top Mounted Level Switches
- Level Gauges Accessories



❖ Flow :

❑ Flow Meter & Switch:

- Electromagnetic Flow meters
- Inline Liquid Turbine Flowmeter
- Insertion Turbine Flowmeter
- Hygienic Service Turbine Flow meter
- Custody Transfer Turbine Flowmeter
- Inline Fuel Gas Turbine Flowmeter
- Smart Digital water meter
- Orifice and Orifice Assemblies
- Flow Nozzles
- Venturi Tubes
- Averaging Pitot Tube
- Wedge Flow Meter
- Flow Straighteners and Flow Condition
- Sight Flow Indicator
- Insertion Type Electromagnetic Flow Meter



❑ Ultrasonic Flow Meter:

- Ultrasonic Flow meter
- Clamp on type Ultrasonic Flow meter
- Two wire type Ultrasonic Flow meter



❑ Air Flow Meter:

- Air Flow Gauge
- Suitable for compressed air Flow
- Line Size : 15NB – 50 NB
- DP Flowmeter for compressed air Flow
- Integral Flow Indicator, Totaliser, Transmitter



❑ Indicator Totaliser

- Digital Panel Meter with Bar-Graph Indicator
- Flow Indicator Totaliser
- Single Input Process Indicator
- Single Input Process Indicator dual display
- Flow Indicator Totalizer
- Process Scanner



❑ Testing Instruments :

- Digital Clamp Metre
- Infrared Thermometer
- Digital Anemometer
- Contact Thermometer
- Digital Lux meter
- Loop Calibrator
- PH/ORP Transmitter
- Dissolved Oxygen Transmitter
- Conductivity Transmitter
- Ultrasonic Thickness Gauges
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❖ Valves & Actuator :

- Solenoid Valve , Pneumatic Actuator
- Ball Valve, Angle Seat Valve
- Butterfly Valve
- Diaphragm Operated Solenoid Valve
- Pilot operated Solenoid Valve
- Direct Acting Solenoid Valve
- Pulse Jet Angle Type Dust Collector
- Gas Solenoid Valve, Safety Solenoid Valve
- High Pressure Valve



❖ Transformer :

- Oil Filled Transformer
- Distribution Transformer
- Power Transformer
- Dry type Transformer
- Control Transformer
- Servo Stabilizer
- Tap Position Indicator
- Parallel Control Unit
- Automatic Voltage Regulating Relay



❖ HIGH VOLTAGE ELECTRICAL EQUIPMENT :

❑ Extra High Voltage

- CT : 11 KV to 800 kV
- CVT : 72.5 kV to 1200 kV
- IVT : 11 kV to 420 kV
- Condenser Bushing : 145 kV to 800 kV
- Grading Capacitor : 145 kV
- Coupling Capacitor : 145 kV to 245 kV
- SF6 Circuit Breaker : 33 kV to 800 kV
- Isolator : 33 kV to 245 kV
- Lightning/Surge arrester : 150 V to 1200 KV
- CT, PT, LA, Transformer Terminal Connector
- Switchyard Hardwar
- Earthing Road





❖ CABLE & Cable ACCESSORIES :

❑ Cable Jointing Kit

- Core : 1 Core – 4 Core
- Size : 4 Sqmm to 1000 Sqmm
- Voltage : 1.1 KV to 560 KV
- Joint : Indoor , Outdoor, Straight
- Cable Type : XLPE, PVC, PILC, Mining , AB Cable.
- Cable Insulation Chamfering Tool for Insulation cleaning



❑ High Voltage Tape & Sleeves

- High Voltage Self Amul gating Tape
- Glass Tape
- Sealing Tapes
- High Voltage Bus Bar / Cable Sleeves
- Cable Outer Insulation Repairer Kit



❑ Cable Lug , Ferule & Gland

- Lug : Aluminum & Copper for HT & LT
- Ferrule : Aluminum & Copper for HT & LT
- Cable Gland : DC & SCIP65 , Brass & PVC



❑ Cable

- 1.1 KV LT PVC, XLPE Power Cable
- Control & Instrumentation cables.
- LV Aerial Bunch cable
- High Voltage Cable
- Trailing Cable, Submersible Flat Cable
- Rubber Cable, Welding Cable
- Flexible Cable
- Domestic wires including FR, FRLS-H, ZHFR
- High Temperature, Fire survival Cable



❑ CT, PT Indoor / Outdoor

- Indoor Low voltage Resin Cast CT
- Outdoor Medium Voltage Resin Cast CT
- Voltage : 230 to 415 Volt
- Cast Resin, Tape wound , CBCT
- Outdoor Current Voltage Transformer



❖ Testing Instruments :

❑ Electrical :

- Insulating Oil Tester, Current Injection Tester
- Circuit Breaker Analyser
- Surge Arrester Leakage current Analyser
- Insulation Resistance Tester
- Transformer Winding Resistance Tester
- Tan Delta Tester, Contact Resistance Tester
- Transformer Turn Ratio Meter
- Automatic Relay Tester, High Voltage Testers)
- Hipot Tester AC, DC, AC & DC
- Alarm annunciator



High Voltage / Medium Voltage

- CT : 11 KV to 33 KV
- IVT : 11 KV to 33 KV
- Condenser Bushing : 52 KV
- VCB – outdoor : 11- 33 KV
- VCB- Indoor : 11 36 KV
- VCB- kiosk type : 11 36 KV
- RMU : 11 to 36 KV
- GIS – Indoor : 11 to 36 KV
- APFC Panel : 11 to 36 KV
- Soft starter : 11 to 36 KV
- Capacitor Bank : 11 to 36 KV
- Vacuum Contractor : 11 to 36 KV
- Vacuum Interrupter : 11 to 36 KV
- Capacitor switch : 11 to 36 KV
- Auto recloser & sectionaliser : 11 to 36 KV
- Surge counter (applicable for all KV class)
- Spare Parts of Switch Gear
- LV APP Capacitor : 5 to 50 KVAR, 380 to 1000
- Volt25 KV Railway Switch (RDSO)

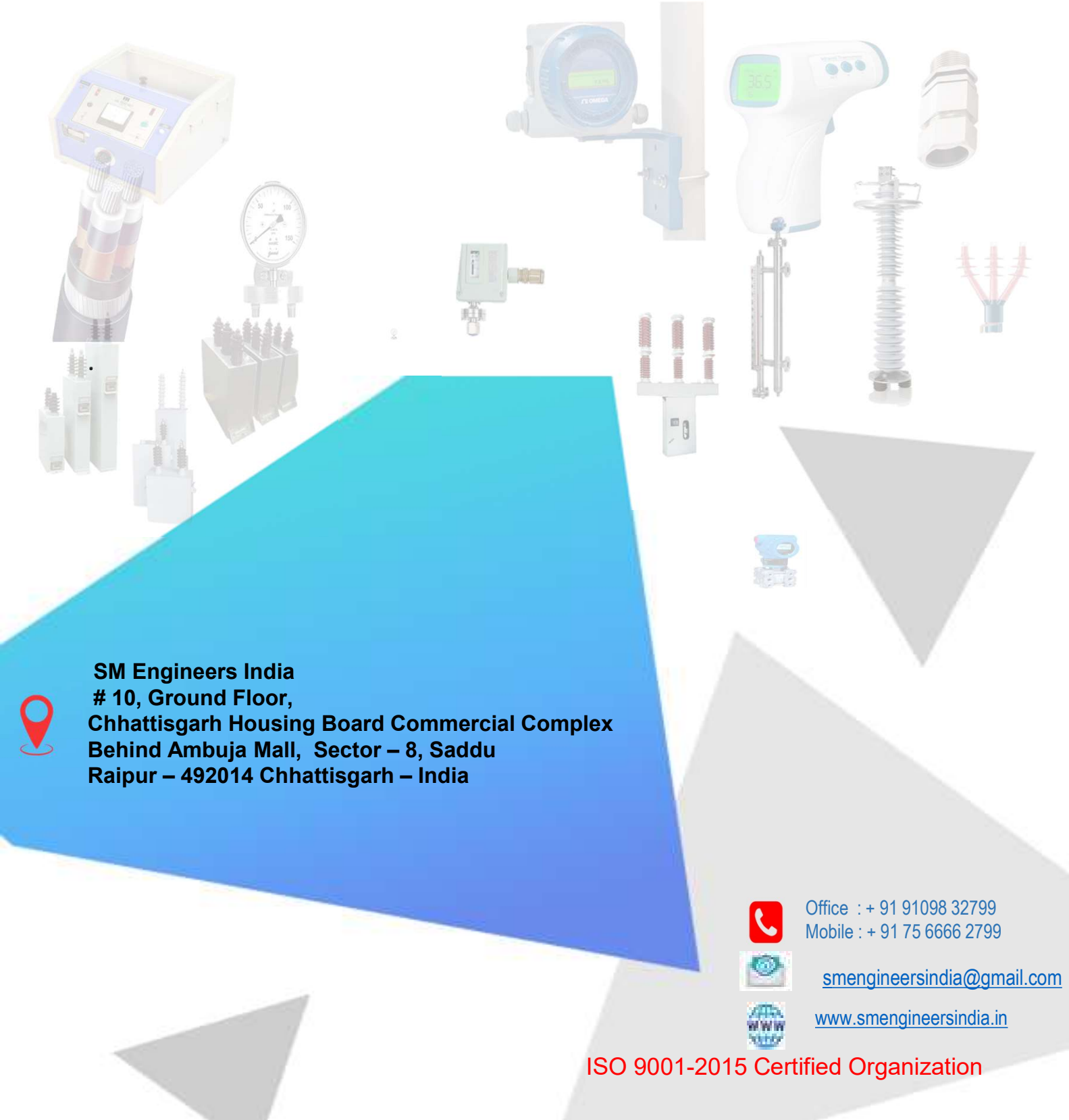


Dealing with :



Customer List :





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ISO 9001-2015 Certified Organization

❑ Operation In : UP – MP- MH – CG – Odisha – WB - Himachal