

SATECH INFRA SOLUTION LLP

(A Pioneer in Smart Solutions, Services, Trading)



SATECH INFRA SOLUTION LLP

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1. INTRODUCTION

We as, SATECH INFRA SOLUTION LLP renamed from SATECH VIDYUT AUTOMATION EPC LLP is founded in 2015 by the Electrical & Automation domain expert, who is always striving for customer satisfaction with excel reputation and goodwill by delivering zero defect solutions & services and with a dream to be a big contributor in the development of the Power/Energy Infrastructure & Automation sectors from India & throughout the world.

The key stakeholders of the company are continuously working on the concept of ECO, smart & advance solutions every day to make it sensible & practical with remarkable services forever.

Project & Solutions segment and Team of expert engineers always becomes closer to the customers and be flexible for their requirements for adoptability of zero defect solutions among the dominated giants for Electrification of all segment Infrastructure & industries, Substation Automation, Railway, Process Automation. Renewable Energy based power Plants.

Company is in to Trading for all products requirement of customer from HV, MV & LV Electrical and All type of industrial & substation automation business segments. Our trading experts well understand the techno-commercial requirements of customers for suitable products within budget without compromising of technical requirement & quality for all kind of primary & secondary Power Distribution Equipment & Switchgears, Switchboards, Transformers, Package substations, Cables & Wires, Solar products, power backup equipment's and all other Process & Energy Automation software & Hardware.

Company provides Manufacturing Facilities, equipped with modern technology CNC Machines for design & manufacturing of Power Distribution Equipment (PCC, PMCC, MCC etc), Sync Panels, Auto & Manual Power Factor Correction Panel, Bus Ducts/Bus Turnkey, Rising Mains and Automation panels/equipment's with acquisition of highest level of customer satisfaction.

Company provides excellence, qualitative, hassle free & Zero defect services to customers for their standard & customized solution requirements for Engineering & Consultancy, Energy Audit, Supply, Installation, Testing, Erection & Commissioning of Substations, Plants & Machineries and for all kind of electrical & automation requirements from industries & Infrastructure business segments.

Company believe in technology transfer by delivering qualitative excellent Customized & EPC Training in the domain of Electrical Design Engineering, Substation Automation & Industrial Automation to customers & Trainee from industries & technical institutions to make them expertise on modern technologies & solutions to overcome the need of Skilled Resource from the domain industries.

Company has been moved into the business segment of civil construction for infrastructure development on request of customers to capture the large volume their assignments. The civil construction team having rich experience crews for delivering the qualitative work and minimization of the material damage/scrap at site with completion on & before time.

The company had also tied-up with various OEM and reputed Industries, Vendors & Suppliers to leverage the project, solution, services for timely delivering of project & services to our prestigious customers to bring them WIN-WIN situation.

OUR VISION:

- SATECH shall be the most trusted, respected and preferred brand for Projects, solutions & services.
- SATECH solutions shall be Advanced Smart Digital Solutions in the Energy Sectors.
- SATECH shall not be limited to Solutions & Services but also excel in the segment of Energy saving & Conservation.
- SATECH shall be the leader for Skilled Resource Development to overcome the requirement of domain industries.

OUR MISSION:

- To create a unique, outstanding, advance smart solution for different- different customer's requirements.
- To deliver excellence services, customer contact & coordination for care, commitments with minimal span of time.
- To create single platform for customers for their different segment's requirement.
- To create a world class Excellence Center for Skilled Resource Development for continuously enhancing own technologies and develop Qualitative Smart Engineers to leverage the customers or industries requirements.

OUR VALUES:

- Fully understandable for fulfill the needs of internal and external customers.
- Be frank, fair, honest, hard work, innovative, responsible, and non-political, lead to perfection in every moment of situations.
- There is no place for tolerate mediocrity, Stretch, Excel and Exceed.
- There is no place for to be afraid of conflict, when it is required and is just.
- Always keen to concentrate on quality every day from very top down and from the bottom up.
- Empower and delegate, but don't over delegate.

2. DOCUMENT PURPOSE

The purpose of this document is to states the company profile to understanding the strength of the company to customers for consideration of their current & upcoming business requirements. The following are the key details for understanding profile.

- Introduction
- Business Segments & Nature
- Details of the resources
- Details of tools & tackles and testing equipment
- Organization details & statutory registration number
- Certificates of registration
- Customers details with executed & running project

The Company Deals in the following key areas;

PROJECTS & SOLUTION: -

- SITC of Energy Automation of Power Grids, Substations
- SITC of Distribution Automation
- SITC OF Railways/Metro Automation for RSS, TSS, ASS
- SITC of Industries & Process Automation for Power plants & machineries.
- SITC of Conventional Grids/Substations/Aux Substations
- SITC of Internal & External Electrification for all kind of Business entities.
- SITC of Renewable energy based Solar Power Plant & Street Light Systems.
- Civil Construction for Infrastructures & buildings.

SERVICES: -

- Generalized services
 - Engineering & Consultancy
 - Energy Audit
 - Operation & Maintenance
 - Installation, Testing & Commissioning and AMC of equipment
- Specialized
 - Infrastructure business
 - Market survey and Economic Analysis
 - Feasibility Studies and Project Report
 - Site Survey and Selection
 - Planning and scheduling
 - Detailed Engineering
 - Construction
 - Procurement of Plant and Equipment
 - Project Monitoring, Control and Expediting
 - Inspection and Quality Assurance
 - Installations
 - Start up, Commissioning and Initial Operation
- Trainings
 - Substation Automation
 - Industrial Automation
 - Electrical Design Engineering
 - Solar as Renewable Energy Sources
 - SITC of Excellence Center, Demonstration platform or Smart Integrated Solution Labs.
- Operations & Maintenance of Substations, Plants & Process.

TRADING: -

- LV Products & Its Accessories: LV/LT Switchgear & Panels, Power Factor Panels, Bus Duct, Rising Main, Meter Boards, Cable Tray, Feeder Pillars, Junction Box, Marshaling kiosk, Control Desk and many more etc
- MV Primary & Secondary Distribution Products with its accessories: MV, Boards, Power Factor Panels, Ring Main Unit, Transformers, CSS/PSS, Bus Duct etc.
- All Substation/Energy/Grid Automation Product: Surveillance & Networking Equipment/Devices, Control Center Equipment & SCADA, RTU, FRTU, FPI, Remote Advance Controlled Breakers/Isolator/Sectionalizer and many more on many protocols; IEC-61850, 104/101, 103 & Modbus.
- Industry Automation products: SCADA, DCS, PLCs Transducer, sensors Field equipment etc & its accessories.
- Cables: AC/DC Cables, LT & MV Cables, Single to Multi-core, Armored & Unarmored and UTP & STP (Communication) and FR & FRLS Copper & Aluminum Wires.
- Lights & Poles.
- Solar Power Plant & Street Light System Product & Equipment and accessories.
- Power Backup Equipment for any rating of UPS, Inverters, and Batteries etc.

3. AREA OF OPERATION

3.1. PROJECTS & SOLUTIONS STRENGTH

WE ARE CONNECTING YOUR BUSINESS WITH LATEST TECHNOLOGIES

SATECH is specialized in Smart Integrated EPC Solution Business, which is not limited to supply of products but excel to integrated solution in the segment of power, energy and process industries for delivering qualitative, safe & reliable operational systems at customer sites. The proposed solution is developed & tested first at in- house high technology Excellence Solution Center through expert team of dynamic engineers. Our targeted prestigious customers are from the Generation sectors; Utilities, Power distribution companies, Energy, Grids, Substations, Industries, Infrastructure, Transportation, Residential & Commercial Buildings and Institutions etc.

3.1.1. ENERGY AUTOMATION FOR GRIDS, SUBSTATIONS & FEEDER

SATECH is specialized in HT, MV & LT Substation Automation, Feeder Automation, Network Automation, Unmanned Substations and Energy Monitoring & Management systems, integration with smart control & protection devices, redundant control/data centers, smart energy measurement meters and setup of critical communication networks for smart control & monitoring of substation equipment from locally as well remotely through SCADA over the various protocol IEC-61850, IEC60870-5-101/104, OPC, 103, DNP3, Modbus serial & TCP/IP and many more with or without use of various databases as MS Access, MySQL, MSSQL Servers for Historians, Reports. These solutions are designed & supplied with RTU, FRTU, Data Concentrator & Event Logger and FPI (communicable or non-communicable) for Installation, Erection & Commissioning of substation equipment (Transformers, SF6 breaker, Autoreclosers, Sectionalizers, Earth switches, LA, Measurement and Protection IEDs) up to 33kV indoor/outdoor conventional & remote operated substations.

3.1.2. RAILWAY & METRO SCADA

SATECH is excellent solution provider in the segment of Railways & Metro for automation of their Power, Auxiliary & Traction equipment for controlling & monitoring through SCADA along with Supply, Installation, Testing, Erection & Commissioning of SCADA & RTU and Networking equipment's, Integration of field RTU, Control centers hardware & software, Communication equipment and Printers etc. And setup of critical & efficient and reliable communication networks for controlling & monitoring, archive & historians and reporting of system on different protocol as per the customer requirements.

3.1.3. PROCESS AUTOMATION

SATECH is specialized in industrial or process automation solutions & consultancy services for providing complete safe, reliable, smooth & efficient control over the process for improving the quality of production goods with reduction of manufacturing time & product cost for industries with the use of advanced technologies or recommended protocol to control & monitoring of process, plants & machineries with energy management. The company also offers wide range of services such as System integration, Project planning & consulting, Automation troubleshooting, Project implementation, and Historian & report generation and many more.

3.1.4. CONVENTIONAL GRIDS/SUBSTATIONS/AUX. SUBSTATION/PLANT

SATECH having specialized team for conventional setup/installed based Grids/Substations/Aux. Substations from few Kilowatt to Megawatt power handle capacity for Power/Energy generation/distribution industries, Plants/Factories, Infrastructure (Residential/Commercial buildings), Transportation (Railway/Metro: RSS/TSS/ASS/SP/SSP) and many more etc. Our Technical consultants well understand the requirements of the customers and lead to perfection by their excellent analytical experience with zero defect techno-commercial proposals. We think on cost optimization of the solutions/products without compromising reliability, quality &

technical aspects from various OEM/Supplier/Manufacturers that are the backbone to the system for design & development. Our Engineering/Design crew put their effort to design the system in realistic atmosphere. The Installation, Testing, commissioning team gives real shape to the system as expected by customers with hand-over of all the relevant drawings & documents with AMC & Warranty certificates.

3.1.5. EXTERNAL & INTERNAL ELECTRIFICATION

SATECH is specialized in the solution business for all kind of External & Internal Electrification works for all business segments. This includes design & developments of products & solutions, Supply, Installations, Testing, Erection & Commissioning of plant & machineries, substations, switchgears, transformers, package substations, laying & terminations of MV & LT cabling, laying and connections of control & communication cables and wires, conduits, laying of cable tray, rising mains, lighting (CFL & LED) & fixtures, auxiliary supply equipment & their fittings and many more.

The company is also in the BMS (Building Management System) solutions & services for control & monitoring of firefighting system, AHU, HVAC, Automatic door open/close, operation of passenger lifts & escalators and other security & access control system to avoid the unauthorized entry in the premises or systems.

3.1.6. RENEWABLE ENERGY BASED POWER PLANT & STREET LIGHT SYSTEM

SATECH is in the solution business for set up all type of renewable energy based on/off grid Solar Power Plants along with connectivity from grid supply for power trading either side with installed capacity of fraction of kW to MW Power Plants. With this company is into conventional & automatic Street Light System, this is CFL & LED (rated for 50kHrs) light based system for axially symmetrical light distribution with attractive luminaire housing, high efficiency crystalline solar panels & dusk to dawn solar charge controllers and weather rugged poles with structure design suitable for adjust tilt angle to operate at heavy wind velocity in the range of hundreds of kilometers per hours.

3.1.7. CIVIL CONSTRUCTION FOR INFRASTRUCTURE & BUILDINGS

SATECH is in the civil construction project business for infrastructures & buildings. The prime moto of the company is to deliver the qualitative work along with on time or before deliverables of assignments. The strength of company is highly skilled executive & site resources for commitment towards completion of the customer targets.

The company has been moved into the business segments of state government schemes for infrastructure development like; Jal Jeevan Mission of Jal Nigam State govt. of Uttar Pradesh, India for providing water to every individual house in country by doing Construction of Overhead Tank, Pump House, Boundary wall, Bore-well, Laying of HDPE pipe & House connections and renewable based solar power plant to run the pump sets along with reporting data to centralized system of Jal Nigam with expertise of automation in Gram Panchayats (GP).

The company is doing the work of Pump room & boundary wall in the village /Gram Panchayat with expert masons for supply & construction; Boundary Wall work comprises of PCC, brick work, DPC & coping along with plaster work as per specifications & approved drawings. However, pump room also constructed with specification & approved drawings of the U.P. Jal Nigam

The Company is into the laying of pipes for clean water distribution in the village /Gram Panchayat for easy reach water to individual by following activities; Laying of different size of HDPE Pipes as per approved drawings, Jointing of pipes through Pipe welding machine, Testing and House connections as per approved drawings.

The company is delivering the qualitative work for tube well with the new technology loaded boring machines, Compressor & OP units with electrical work.

With the core expertise in the field of renewable energy based power plants along with connectivity from grid supply with installed capacity of kW to MW. We are into the complete solution of solar power system along with automation to run the pumps set & aux. loads for lighting & other purpose along with finally data reporting to centralized data center of Jal Nigam over the requested protocol & communication medium.

3.2. SERVICES

WE ARE TO TAKE CARE OF YOUR ALL BUSINESS NEEDS

SATECH is an excellence, qualitative & hassle free service provider in the segment of engineering, Consultancy, Energy audit, Supply, Installations, Testing & commissioning and skilled resource supply & allocation for Utilities, Power distribution companies, Energy, Grids, Substations, Industries, Infrastructure, Transportation, Residential & Commercial Buildings and Institutions etc. The facilities for development, testing & demonstration of the solution at in-house excellence center are also available before final implementation at site.

3.2.1. GENERALISED SERVICES

3.2.1.1. ENGINEERING & CONSULTANCY

The expert team of service, provides excellence Engineering & Consultancy services for hassle free zero defects qualitative designs of project architectures & solutions, planning & control of process & flow, drawings & documentation and detail project reports that are designed & developed on latest technologies & modern tools, for small to excel requirements of the projects from starting stage to safe, economical & reliable execution till final handover within the budget & specified time line with analysis of all associated direct & indirect risk throughout the project life cycle to customers or end customers.

3.2.1.2. ENERGY AUDIT

As per Central Govt. Ministry of power, Bureau of energy efficiency the energy saving & conservation is mandatory for some of the designated consumers. However, to lower the increasingly expensive energy costs by reducing the losses & improving the efficiency of equipment and forward towards the sustainable future, energy audit is mandatorily required for all segments of business entities or customers. Energy Audit Expert Team facilitates customers for inspection by walk through & proper survey by modern tools & equipment of latest technologies to make the excellent qualitative analysis of efficiently energy flows & conservation. The analysis result with set of instructions to operate the substations, plants & machineries and process in the correct & efficient manner by proper guidance or suggestions for replacement of the inefficient equipment with amount of energy saving is shared with the customers along with payback period for appropriate actions. The auditor team also supports the customers for replacing inefficient equipment by educating correct, suitable & in line with specification and techno-commercial feasible energy efficient equipment.

3.2.1.3. OPERATION & MAINTENACE

We always strive for customer by providing best services ever in the domain of electrical & automation for Warranty, AMC, Operation & Maintenance of the Substations, Plants & Machinery, DISCOM, Residential & Commercial buildings, Infrastructure & Transportation industries and Oil & Gas companies

3.2.1.4. SUPPLY, INSTALLATION, TESTING & COMMISSIONING

SATECH deals with Supply, Installations, Testing, and Erection & Commissioning of substations, plant & machineries at customer or project sites. The site expert teams are full of skill with all kind of site specific work to complete the activity or process under the target time line with minimum of wastage and optimum utilization of resource & materials at site. The engineers at site organize the training for customer personals to guide for

proper operation & control activities over the power monitoring & control equipment and process plant & machineries. The dedicated team handles all the site specific requirements safely, effectively & efficiently even after handover the sites to customers for AMC, Warranty and Maintenance of all commercial & Infrastructures building, substation equipment, process plants and machineries.

3.2.2. SPECIALISED SERVICES

SATECH has been set up to offer integrated Engineering and Construction Services. These services of multi disciplines involved in a Project include the analysis, planning, programming, design, coordination administration and implementation of "turnkey" projects from " Concept to Completion" & also operation and maintenance.

SATECH apart from having a large engineering & supporting staff, has adequate number of highly skilled and supervisory personnel on its regular rolls. It also carries an inventory of specialized tools and tackles, construction and erection machinery of turnkey implementation of large industrial and construction project. It takes full responsibility of carrying out detailed Engineering, Procurement, Construction and Erection, Testing, Commissioning and if required Operation and Maintenance of the installations.

3.2.2.1. INFRASTRUCTURE SERVICES

- Air Conditioning
- Ventilation
- Heating
- Fire Detection, Alarms and Protection Systems
- Lighting, street lighting and high mast lighting
- Security systems
- Telephone
- Building Automation System
- Generator Set and Converters

3.2.2.2. CONCEPTS OF COMMISSIONING SERVICES

- Market survey and Economic Analysis
- Feasibility Studies and Project Report
- Site Survey and Selection
- Planning and scheduling
- Detailed Engineering
- Construction
- Procurement of Plant and Equipment
- Project Monitoring, Control and Expediting
- Inspection and Quality Assurance
- Installations
- Start up, Commissioning and Initial Operation

3.2.3. TRAINING PROGRAMS

OUR COMMITMENT IS TO PILOT INDIVIDUAL TOWARD EXCELLENCE

SATECH is specialized for organizing & delivering customize & EPC training program based on customer demand or requirements from electrical, power, energy & process industries. The training program is for industrial resources and extended to fresh engineers from the technical college or universities for EPC based standard training modules in the segments of Electrical Design Engineering, Substation Automation & Industrial Automation to overcome the need of skilled resource from domain industries. The training is organized at in- house “Excellence Center for Skilled Resource Development” or customers and institutional premises.

3.2.3.1. SITC OF EXCELLENCE CENTER, DEMONSTRATION PLATFORM OR LAB

The company supports for supply, installation, testing & commissioning of “Excellence Center for Skilled Resource Development” at customer premises as demonstration lab or simulation testing lab. The center can be used for Research & Development on innovative ideas as; improvement in working solutions & processes, creating live testing and training platform for enhancing the knowledge of trainees/working workforce on technologies & tools and understand the importance, role & responsibilities of advanced or new technologies, equipment or devices used in electrical & power industries.

3.2.3.2. TRAINING & IT’S MODULES

Day by day the requirement of skilled resource is increasing exponentially for effectively & efficiently implementation of smart & advanced technologies throughout the world or developing countries like India. To overcome the need of skilled resources from segmented industries, we come up with EPC training modules for enhancing the knowledge of industrial resources and dynamic fresh engineers to trained on the live equipment & projects for enhancing their theoretical knowledge into practical capabilities for controlling the project specific activities during the work on industrial platform for effectively & efficiently deliver the outcome to employers.

The course contents of specialized training module focus on information & introduction of project life cycle & activities from starting of the project to till handover with role of customers, consultants, suppliers, vendors, and integrators or solution providers customer interaction etc and preparation of contract, specification, tender document, techno-commercial offer, purchase orders, reports, techno commercial analysis for risk & opportunities, design & engineering, planning (technical, commercial, resource and equipment & machinery), vendor (analysis, evaluation & selection) for procurement, warehouse & site management, activities & doc. related to handover, AMC (warranty & Maintenance) and role & responsibilities of project specific stakeholders.

3.2.3.2.1. ELECTRICAL DESIGN ENGINEERING

The contains of the electrical design engineering modules assist the trainees for understanding, utilization, roles & responsibilities of the electrical equipment used for electrical networks from power generation to distribution till reach of individuals. The technical course covers the followings as;

Basic Information: The role & responsibilities of equipment dedicated for generation, transmission, primary & secondary distribution, LT system, role & responsibilities of protection IEDs & measurement equipment, bus topologies, control systems & equipment, type of earth & grounding, selection of equipment as per specification & size, heat & load calculations, configuration, interconnectivity and troubleshooting & type of maintenance of product & equipment and system etc.

Tools: The 2D AutoCAD is used for designing of electrical network, system architecture, general arrangement, switchgear, switchboards, protection & control Panels & project specific drawings, Excel for planning & calculation and Microsoft for documentation activities; design, process, quality, inspection, progress reports & handover

documents.

3.2.3.2.2. SUBSTATION AUTOMATION

The contains of the substation automation modules assist the trainees for understanding, uses, roles & responsibilities of the automation equipment used for substation automation from partial automation to fully automation on specified protocol. The technical course covers the followings as;

Basic Information: The role & responsibilities of equipment dedicated for generation, transmission, primary & secondary distribution, LT system, role & responsibilities of protection IEDs & measurement equipment, selection of control & monitoring software & hardware equipment as per specification, heat & load calculations, configuration, interconnectivity and troubleshooting & type of maintenance of product & equipment and system etc.

Tools: SCADA is for graphic (System Architecture, SLD, Alarms, Events, Repots, Measurement etc) design & development, setting configurations for the system, the 2D AutoCAD is used for designing; system architecture, general arrangement, communication networks, protection & control Panels & project specific drawings, Excel for planning & calculation and Microsoft for documentation activities; design, process, quality, inspection, progress reports & handover documents.

Field Interface: Controllers (Bay controller, DCS, RTU, Event logger, FRTU), Protection (communicable FPI, Protection IEDs) Measurement (Energy & Multifunction Meters) equipment and cable & accessories.

Control Room Equipment: Servers, HMI (OWS & EWS), printers and cable & accessories with termination & splicing.

Networking Equipment: GPS Modem, GPRS Router, M2M & Gateways, Media Converter, managed or un- managed Ethernet or Ethernet Fiber Switches (EFS), LIU/ODF and cable & accessories with termination & splicing.

3.2.3.2.3. INDUSTRIAL AUTOMATION

The contains of the industrial automation modules assist the trainees for understanding, uses, roles & responsibilities of the automation equipment used for process industries from minor automation to fully automation on specified protocol. The technical course covers the followings as;

Basic Information: The role & responsibilities of equipment dedicated for process plants & machineries, flow controls, treatment process plant systems, batch mixing process, mass production units etc, selection of control & monitoring software & hardware equipment as per specification, heat & load calculations, configuration, interconnectivity and troubleshooting & type of maintenance of product & equipment and process etc.

Tools: SCADA is used for graphic (System Architecture, Process & Flow, Alarms, Events, Repots, Analog value etc) design & development, setting configurations for the system, the 2D AutoCAD is used for designing the process network, system architecture, general arrangement, communication networks, protection & control Panels & project specific drawings, Excel for planning & calculation and Microsoft for documentation activities; design, process, quality, inspection, progress reports & handover documents.

Field Interface: Controllers (PLC & RTU, Protocol converters), Monitoring (process equip., motors, conveyors, sensors, actuators, valves, input & output digital/analog devices, protection, measurement) equipment and cable & accessories.

Control Room Equipment: Servers, HMI (OWS & EWS), printers and cable & accessories with termination & splicing.

Networking Equipment: GPS Modem, Router, Gateway, Media Converters, Managed or Unmanaged Ethernet or Ethernet Fiber Switches (EFS), LIU/ODF and cable & accessories with termination & splicing.

3.3. TRADING & MANUFACTURING FACILITIES

WE STANDARDIZE & CUSTOMIZE THE PRODUCT AS PER YOUR REQUIREMENTS

We understand the standard & customize requirement of the customers to leverage for timely completion of project specific works at sites. Our expert engineering & consulting teams, excel the support to customers for procurement of right product without compromising of specifications & quality standards. As a trader we strive for the customer for cost effective product in-line with their requirements. Our design & manufacturing facilities customized the product to attain the attention & higher satisfaction level among the customers from different sectors.

3.3.1. AUTOMATION PANELS

SATECH is into design, engineering & manufacturing & SITC of all kind of Automation, Control & Relay Panels and Smart Control Panels as for;

- Control & Relay panels (Single/Duplex type)
- RTU Panels, FRTU Panels,
- PLC Panels & PLC based control Panels
- Networking Panels
- Control & Protection Panels
- Customized Metallic Enclosures for various industries for control, protection, security & communication and networking equipment.

3.3.2. AUTOMATION PRODUCTS

SATECH deals with all kind of Automation Products & Solutions for Substation Automation and Industrial Automation; Communicable & Non communicable type equipment as;

- Software: SCADA, Drivers, API etc.
- Controllers: PLC, RTU, FRTU, FPI, DCS, Bay Controller.
- Protection: IEDs on IEC61850, MODBUS, DNP etc.
- Measuring equipment: Energy meter & MFM with or without communication feature.
- Instruments & sensors: Analog & Digital type.
- Control center equipment: Servers & workstations, Monitor, Printers etc.
- Network: Managed & Un-managed Ethernet switches & Ethernet Fiber Switches.
- Communication cables & accessories etc.

3.3.3. MV PRIMARY & SECONDY POWER DISTRIBUTION PRODUCTS

SATECH deals in all kind of power backup equipments for standard product or customer customize requirement for

- UPS
- Inverters
- Batteries

3.3.4. MV PRIMARY & SECONDY POWER DISTRIBUTION PRODUCTS

SATECH deals in all kind of Primary & Secondary, MV Power Distribution Products & their accessories;

MV Switchgears & Switchboards.

- LT & MV Transformers (Windings: Copper & Aluminum and Type: Dry & Oil) with or without OLTC
- Ring Main Unit (RMU) 3W & 4W with expansion unit up to 22kV, Motorized & Non-motorized with or without FRTU & FPI (communicable or non-communicable).
- Package/Compact substations.

3.3.5. LT POWER DISTRIBUTION PANELS

The manufacturing facility @ Noida/ Greater Noida (U.P.) India, having the latest CNC, Bending, Welding, Punching etc machines for the fabrication of the enclosures and sheet pretreatment 8 tanks process along with powder coating for design & manufacturing of all kind of Power Distribution Switchboards & Panels as;

- Power control Centers - Fixed and Draw-out
- Motor control Centers - Fixed and Draw-out
- Smart MCC's - Fixed & Draw-out
- Double bus bar power panels
- Automatic power factor capacitor panels
- PLC based DG Auto Synch. Load sharing panels
- PLC based process control desk panels
- VFD Panels, Soft Starter Panels, DOL, RDOL & Star Delta Starters etc
- Bus duct & rising mains
- Manual Control/Remote Desk Panel

3.3.6. CABLES & WIRE

SATECH deals with full range of high quality cables & wires with quality approved by the certifying bodies or authorities for;

- Low voltage to Medium Voltages: Aluminum & Copper, Power & Control, Armored & Unarmored.
- Aerial Bunched Cables (ABC).
- Instrumentation cables.
- Thermocouple cables.
- Steel Braided & Tinned copper specialized cables.
- Single core & Multi core copper flexible control cables.
- Data & Communication cables.
- FR, FRLS Single & Multi-core cable and single & multi strand wire and many more.

3.3.7. SOLAR PRODUCTS

The company deals in Solar Power Plant products & accessories, PV Solar Panels, Smart UPS/Inverters, DC systems, Batteries & Lights (CFL & LED), Folding & Structure, complete Street Light standard (Dusk to down solar charge controller) & customized system based on customer requirement, fancy lights and many more for domestic purpose also.

3.3.8. C-CLASS & LIGHT FITTING MATERIAL

The company deals in all kind of C-class materials & light fittings used at site for maintenance, erection & commissioning, Product developments, Process plant & all other industries.

4. DETAILS OF KEY PERSONALS

We having adequate & proper Technical, Skilled, Semiskilled & Non skilled resources over & above our competency to undertake & execute of major assignment. Our resources are well qualified & experienced in their domain to successfully execution of project cycle from “Concept to Completion”.

S.NO.	RESOURCE RESPONSIBILITY	QUALIFICATION	COMPETANCY	NOS.
1	Founder & CEO	Degree in Engg., MBA, ACPDM	Electrical & Automation, Management, Front Office	1
2	Director Account & Admin	Degree in Master	Management, Account & Admin	1
3	Chief Operation Officer	Degree In Master	Operation & Customer Coordination	1
4	Manager Commercial , Planning & Quality Control	Degree In Engineering	Commercial, Planning, Quality Control	1
5	Manager Business Development	Diploma in Elect.	Business Development	1
6	Manager Project	Degree In Engineering	Elect, Auto, Site/Customer Management	1
7	Assistant Manager	Degree In Engineering	Elect, Auto, Site/Customer Management	2
8	Engineer Automation	Degree In Engg./Diploma	Automation Site/Customer management	2
9	Engineer Electrical	Degree In Engg./Diploma	Electrical, Site/Customer Management	3
10	Supervisor	Diploma/ITI	Elect, Auto, Site Management	5
11	Electrician	ITI With Relevant Exp.	Electrician	20
12	Welder	ITI With Relevant Exp.	Welder	2
13	Jointer	ITI With Relevant Exp.	Jointer	1
14	Mason	12 th with Relevant Exp.	Mason	20
15	Helper	10 th with Relevant Exp.	Helper	50

5. LIST OF TOOLS & TACKLES AND TESTING EQUIPMETS

SATECH having adequate & relevant high technology, latest & calibrated tools & tackles for delivering qualitative work at site & in-house work bench.

S.NO	DESCRIPTIONS	QTY.	S.NO.	DESCRIPTIONS	QTY.
1	Hammer Machines	7Nos	21	Telephone Cable Crimping Tool	2Nos
2	Drill Machines	5Nos	22	Ratchet & Handles for threading of conduits	5Nos
3	Pliers	20Nos	23	Vacuum Cleaner	5Nos
4	Digital Multimeter	5Nos	24	Blower	3Nos
5	Voltmeter	2Nos	25	Wire Pulling M/C	3Nos
6	Megger	5Nos	26	Chase Cutting M/C	3Nos.
7	Earth Tester(Digital)	2Nos	27	Fire Buckets & Extinguisher	2Nos
8	Tong Tester	5Nos	TESTING KIT		
9	D -Spanner Set	5Sets	1	High Voltage Testing Set	On Hire
10	Ring Spanner Set	5Sets	2	Transformer Oil Testing Kit	On Hire
11	Crimping Tool	5Nos	3	Relay Testing Kit for Primary injection	On Hire
12	Crimping Tools Small	8Nos	4	Relay Testing Kit for Secondary injection	On Hire
13	Welding Machine	3Sets			
14	Screw Driver Set	20Sets	AUTOMATION		
15	Safety Belts	10Nos	1	PLC KIT SIEMENS	1No.
16	Safety Helmets	20Sets	2	PLC KIT ROCKWELL	1No.
17	Gloves	20Nos	3	PLC KIT SCHNEIDER	1No.
18	Hand Shovels and Axes	10Nos	4	0.75HP DRIVE DELTA	1No.
19	Ladder	5Nos	5	DOL STARTER 5HP & 1 HP EACH	1No.
20	Grinder M/C	2Nos	6	0.75HP 3PH MOTOR	1No.

6. ORGANISATIONAL DETAILS/ STATUTORY REGISTRATION NUMBER

S.NO.	DETAILS	DESCRIPTION
1	Name of Organization	SATECH VIDYUT AUTOMATION EPC LLP
2	Registered Office	A-11, Deepak Vihar, Khoda, Noida-201301, UP, India
3	Corporate Office	D-129, 2 nd Floor, Sector-10, Noida-201301, UP, India
4	Status of organization	Limited Liability Partnership
5	Date of Incorporation	07.04.2015
6	LLPIN	AAD-7186
7	Designated Partners	1 Mr. Satyendra Kumar
		2 Mrs. Sangeeta Singh
BANK DETAILS		
ICICI BANK LTD		
1	Name	ICICI BANK LTD
2	Address	C-2&3,Block-Y, 348,Sector-12, Noida-201301, Uttar Pradesh, India
3	Branch Code	001578
4	MICR Code	110229128
5	11-Digit NEFT/ IFSC code	ICIC0001578
6	Type of the Account	Current
7	Account Number	157805006496
8	Enabled for NEFT	Yes
INDIAN BANK		
1	Name	INDIAN BANK
2	Address	A-2 FIRST FLOOR NDSE-1 RING ROAD, SOUTH EXTENTION, NEW DELHI-110049
3	MICR Code	110019015
5	11-Digit NEFT/ IFSC code	IDIB000S032
6	Type of the Account	Current
7	Account Number	6676080847
8	Enabled for NEFT	Yes
COMPANY DETAIL		
1	PAN	ACTFS9276R
2	GSTIN	09ACTFS9276R1ZI
3	EPF	MRNOI1694189000

7. CERTIFICATE OF REGISTRATION

SATECH having valid certification to proceed with Govt. tender & projects execution as per the Govt. rule & regulation.

7.1. INCORPORATION CERTIFICATE

SATECH is valid entity to work in Electrical, Power & Energy Automation and Industrial automation. Govt. of India & Ministry of Corporate Affairs has register the entity with the name "SATECH INFRA SOLUTION LLP" pursuant to Section 12 (1)(b) of the Limited Liability Partnership Act-2008.



GOVERNMENT OF INDIA

MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

[Refer Rule 20 of the LLP Rules, 2009]

FRESH CERTIFICATE OF INCORPORATION CONSEQUENT UPON CHANGE OF NAME

LLP Identification Number: AAD-7186

In the matter of SATECH VIDYUT AUTOMATION EPC LLP

I hereby certify that SATECH VIDYUT AUTOMATION EPC LLP which was originally incorporated on Seventh day of April Two thousand fifteen under the LLP Act, 2008 as SATECH VIDYUT AUTOMATION EPC LLP having duly passed the necessary resolution in terms of Rule 20(1) of the LLP Rules, 2009. The name of the said Limited Liability Partnership (LLP) is this day changed to SATECH INFRA SOLUTION LLP and this certificate is issued under Rule 20(3) of the said Rules.

Given under my hand at Manesar this Fifth day of December Two thousand twenty-two.

Digitally signed by DR MINISTRY OF
CORPORATE AFFAIRS TO
CERTIFICATE NO. 06 12-49102 00 Y 0002

Susmitha Selvaraj

Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies
For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies

Central Registration Centre

Mailing Address as per record available in Registrar Office:

SATECH INFRA SOLUTION LLP

A-11, Deepak Vihar Khora Colony, , Noida, Gautam Buddha Nagar, Uttar Pradesh, India-201301



GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Registrar, Uttar Pradesh
10/489-B, Allenganj, , Khalsi Line, , Kanpur - 208002, Uttar Pradesh, INDIA.

FORM 16

[Refer Section 12(1)(b) of the LLP Act, 2008]

CERTIFICATE OF INCORPORATION

LLP Identification Number: AAD-7186

I hereby certify that SATECH VIDYUT AUTOMATION EPC LLP is incorporated pursuant to section 12(1) of the Limited Liability Partnership Act 2008.

Given at Uttar Pradesh this Seventh day of April Two Thousand Fifteen.

Digitally signed by
Registrar, Uttar Pradesh

Registrar, Uttar Pradesh




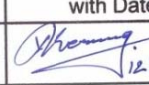
Note: The corresponding form has been approved by SATYA PARKASH KUMAR, Registrar and this certificate has been digitally signed by the Registrar through a system generated digital signature under rule 36(3)(ii) of the Limited Liability Partnership Rules, 2009.
The digitally signed certificate can be verified at the Ministry website (www.mca.gov.in).

Mailing Address as per record available in Registrar office:
SATECH VIDYUT AUTOMATION EPC LLP
A-11, Deepak Vihar Khora Colony,
Noida - 201301,
Uttar Pradesh, INDIA.



7.2. LICENCE TO ELECTRICAL CONTRACTOR

Govt. of NCT of Delhi (Labor Department) has given the license to Electrical Contractor to work on electrical projects.

E.C. No. (0440)/2018/1228		FORM NO-B (See Condition 5)			
Government of NCT of Delhi Labour Department 5-Sham Nath Marg, Delhi-110054					
LICENCE TO ELECTRICAL CONTRACTORS With terms and conditions as notified vide Notification No. ED4(Misc-38)/Lab-El/2016/381 Dated 27.01.2017					
M/s <u>SATECH VIDYUT AUTOMATION ECP LLP</u> having its premises situated at <u>D-353, BLOCK-D, GANESH NAGAR, PANDAV NAGAR COMPLEX and</u> <u>DELHI-42</u> represented through its Proprietor/Partner/Director/Authorized Signatory _____ <u>Mr. SATYENDRA KUMAR</u> bearing Aadhaar No <u>7480 4601 3484</u>					
is hereby licensed to carry out electrical installation work in the National Capital Territory of Delhi, subject to the Terms and Conditions mentioned on the reverse.					
		Signature of the Issuing Authority with seal  Name : <u>YOGESH KUMAR VERMA</u> <small>Asstt. Electrical Inspector</small>			
Date of Issue : <u>13/3/18</u>		Designation: Assistant Electrical Inspector			
S.No.	Details of Amount Deposited	Date of Deposit	License Valid		Signature of Issuing Renewing Authority with Date
			From	To	
1.	5,000/-	27.02.18	09.03.18	08.03.18	 12.1.3.18

7.3. MSME CERTIFICATE

Ministry of Micro, Small & Medium Enterprises has awarded certificate to participate into the Govt. Tender.

D		Type of Enterprise			Micro	Small	Medium
		Manufacturing			A	B	C
		Services			D	E	F
		UAN			UP28D0013052		

Udyog Aadhaar Memorandum

1. Aadhaar Number: 748046013484
 2. PAN Number: ACTFS9276R
 3. Name of Entrepreneur: SATYENDRA KUMAR
 4. Social Category of Entrepreneur: GN
 5. Gender: Male
 6. Physically Handicapped: No
 7. Name of Enterprise: SATECH VIDYUT AUTOMATION EPC LLP
 8. Type of Organization: Limited Liability Partnership
 9. Location of Plant Details

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/Lane	Area/Locality	City	Pin	State	District
1	B2-901	Panchsheel Green-II	Plot no.GH-01A	Sector-16	Greater Noida	201308	UTTAR PRADESH	GAUTAM BUDDHA NAGAR

Official Address of Enterprise: A11, DEEPAK VIHAR, KHORA COLONY, NOIDA

10. District: GAUTAM BUDDHA NAGAR State: UTTAR PRADESH PIN: 201301
 Mobile No: 8588805055 Email: info@satechvidyut.com

11. Date of commencement: 07/04/2015
 12. Previous Registration details-if any: ::
 Bank Details: IFS Code: ICIC0001578
 13. Bank Account: 157805006496
 14. Major Activity: SERVICES

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
1	27 - Manufacture of electrical equipment	2710 - Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	27104 - Manufacture of electricity distribution and control apparatus (electrical apparatus for switching or protecting electrical circuits (e.g. switches, fuses, voltage limiters, surge suppressors, junction boxes etc.) for a voltage exceeding 1000 volts; similar apparatus (including relays, sockets etc.) for a voltage not exceeding 1000 volts; boards, panels, consoles, cabinets and other bases equipped with two or more of the above apparatus for electricity control or distribution of electricity including power capacitors.)	Manufacturing
2	80 - Security and investigation activities	8020 - Security systems service activities	80200 - Security systems service activities	Services
3	42 - Civil Engineering	4220 - Construction of utility projects	42202 - Construction/erection and maintenance of power, telecommunication and transmission lines	Manufacturing
4	43 - Specialized construction activities	4321 - Electrical installation	43211 - Installation of electrical wiring and fittings	Manufacturing
5	43 - Specialized construction activities	4321 - Electrical installation	43212 - Installation of telecommunications wiring, computer network and cable television wiring, including fibre optic, satellite dishes	Manufacturing
6	43 - Specialized construction activities	4321 - Electrical installation	43213 - Installation of street lighting and electrical signals	Manufacturing

Persons employed: 6

Declaration
 1. I hereby declare that information given above is true to the best of my knowledge. Any information, that may be required to be verified, shall be provided immediately before the concerned authority.

7.4. PF & ESI

We are registered with Employees Provident fund organization (A statutory Body under the Ministry of labor & employment, Government of India)

	EMPLOYEES' PROVIDENT FUND ORGANISATION (A statutory Body under the Ministry of Labour and Employment, Government of India) www.epfindia.gov.in
PROVIDENT FUND CODE NUMBER INTIMATION LETTER	
No : 10000093885NOI	Date : 14/02/2018
To, SATYENDRA KUMAR DESIGNATION PARTNER SATECH VIDYUT AUTOMATION EPC LLP PLAT NO 901 TOWER B2 PANCHSHEEL GREEN II GREATER NOIDA NOIDA GAUTAM BUDDHA NAGAR UTTAR PRADESH - 201301	
Sub: Allotment of Code Number to establishment M/s SATECH VIDYUT AUTOMATION EPC LLP under Employees' Provident Fund and Miscellaneous Provisions Act, 1952-regarding.	
Sir/Madam , Based on the information submitted online by you, your establishment is registered with Employees' Provident Fund Organisation with the following code number :	
Code Number : MRNOI1694189000	
This code number is allotted based on the following declarations by you:	
1. Name of Establishment	: SATECH VIDYUT AUTOMATION EPC LLP
2. PAN of Establishment	: ACTFS9276R
3. Date on which employment strength crossed 19	: 01/02/2018
4. Section under which covered	: 0001(3)(b)
5. Primary Activity	: EXPERT SERVICES
6. Ownership Type	: LIMITED LIABILITY PARTNERSHIP

8. MAJOR CUSTOMER

8.1. GOVERNMENT & GOVT. ASSOCIATED

Followings are the major Govt. & Govt. Associated customers.



8.2. GROUPS/SUGAR/DISTILLERY

Followings are the major Groups, Sugar & Distillery customers.



8.3. INDEPENDENT ENTITY

Followings are the independent customers.



8.4. INDIRECT

Followings are the customers to whom service is rendering via subcontracting.



9. ORDERS DETAIL

SATECH had worked closely with the customer for their techno-commercial requirements. And they are supported for uninterrupted services ever.

9.1. WORK ORDER EXECUTED

9.1.1. ELECTRICAL

S.No.	CUSTOMER DETAILS	SCOPE OF WORK
1.	LA HOTELS & RETREATS PVT. LTD.	Supply Installation Testing & Commissioning; a). LT Panels b). Starter Panes
2.	LA INFRAVENTURES PVT. LTD.	Supply Installation Testing & Commissioning; a). Ring Main Unit b). Package Substations c). Sandwich LT Busduct d). DG e). Power & Control Cables f). Distribution Boxes g). Cat 6 & Telephone cables h). Many more
3.	INDRAPRASTHA GAS LIMITED	Supply Installation Testing & Commissioning; a). Cables & Wire, b). 2kVA UPS-245Nos. c). Measuring Instruments & Electrical Tools
4.	STERLING & WILSON PVT LTD	Substation Retrofitting a). ITC of RTU Panels b). ITC of MFM c). Aux. & Control Cable laying d). Termination e). Wiring d). SCADA compatible commissioning
5.	VSETH SONS	Supply Installation Testing & Commissioning; a). LT Distribution Boards
6.	NTPC a/c LASER POWER & INFRA PVT LTD	Substation Control Room: a). Civil Construction of 33/11kV control room
7.	COOPERATIVE COMPANY LIMITED	Supply Installation Testing & Commissioning; a). MV Panel b). Transformer c). LT Panel d). Flame & weather proof Lights e). Power & Control Cables f). Cable Tray g). Chemical Earthing h). HT Joints Kit & termination etc.
8.	SIMBHAOLI SUGARS LIMITED	Supply Installation Testing & Commissioning; a).MV Panel b). LT Panels & Switchgears c). Power & control Cables d). Cable Tray e). Energy Metering panel f). Street Light 100W
9.	ITALIAN EMBASSY CULTURAL CENTRE	SITC of APFC Panel & Servo Voltage Stabilizer maintenance
10.	LURSEN & TOUBRO LIMITED, CONSTRUCTION	Supply, Installation, Testing, & Commissioning; a). 2500A & 1600A Busduct, b). Feeder Pillar, c). Trafo Box etc

COMPANY PROFILE



		d). Dismantling & installations of new BD, panels, cables, transformers etc and upgrading and augmentation of existing substations of NDMC.
11.	COOPERATIVE COMPANY LIMITED	Supply Installation Testing & Commissioning; a). LT Panel b). Flame & weather proof Lights c). Power & Control Cables d). Cable Tray e). Chemical Earthing h). Termination etc.
12.	JONES LANG LASALLE BUILDING OPERATION PVT.LTD.	SITC of Electrical Work for UPS a). Isolator Boxes b). Cable & Termination c). Wire & earth wire
13.	TATA POWER DELHI DISTRIBUTION LTD	SITC of 33/11kV Grid substation (Pandav Nagar): a). Supply of 11kV 1600A Switchboard (2IC+BC+BR+Adopter Boxes). b). Cable & Termination c). Renew the Pole mounted pipe busbar c).Dismantling of old equipment d). Ethernet Fiber switches <u>Grid RG-02 & 22</u> Augmentation work for 11kV feeder; a). Supply & cutting, bending, punching of copper busbar b). Shifting & Mechanical coupling of adaptor panel c). Electrical coupling of Main panel & Adaptor panel by copper busbars. d). Testing & commissioning.
14.	DLF, GATEWAY TOWER & ONE HORIZON CENTER	SITC of following Below; a). Cables, Cable Tray & Panels along with accessories

9.1.2. AUTOMATION

S.No.	CUSTOMER DETAILS	SCOPE OF WORK
1.	BHABHA ATOMIC RESEARCH CENTER MUMBAI A/C DAMODHARTECH INTERNATIONAL PVT. LTD.	11kV Substation: Supply Installation Testing & Commissioning of SCADA system suitable for thousands of filed data points; a). Remote Terminal Units b). Communication System c). Control Center Equipment's d). Cable laying & terminations e). Field wiring with RTU
2.	NARAYNAGARH SUGAR MILL LTD.	66kV Substation: Supply, Installation Testing & Commissioning of the following below for making system suitable for SCADA system & Send data to State Load Dispatch Center; a). Remote Terminal Unit b). Communication System c). Control Center equipment
3.	AZBIL INDIA PRIVATE LIMITED	11kV Substation @ Honda Car: Installation Testing & Commissioning of the following below for making system suitable for SCADA system; a). Higher End Programmable Logic Controller b). Communication System c). Control Center equipment's
4.	BHABHA ATOMIC RESEARCH CENTER MUMBAI	11kV Substation: Retrofitting and Supply Installation Testing & Commissioning of the following below for making system suitable for SCADA system; a). Measurement Units b). Portable Workstations c). Media Converters d). Control, Communication & Fiber Cable e). Power & Control Cables & wire f). Modifications in HT & LT Panels
5.	NOIDA POWER COMPANY LIMITED	11/0.440 kV Substation DT Monitoring: Supply Installation Testing & Commissioning of the following below for making system suitable for SCADA system; a). Temperature Sensors b). Data Monitoring Measuring Equipment c). Potential & current Transformers d). Cables & Wire
6.	KESAR ENTERPRISES LIMITED	Supply Installation Testing & Commissioning; a). Power Supply Units b). Pneumatic/Hydraulic control system

9.2. WORK IN PROGRESS

9.2.1. ELECTRICAL

S.No.	CUSTOMER DETAILS	SCOPE OF WORK
1.	APEX POWER PROJECTS PVT. LTD.	Installation, Testing, Commissioning of the following below; a). MV Panels & Transformers. b). LT Panel, Cable Tray, Cable, Conduits, Lighting & Fixture, other Internal electrifications work etc.
2.	APEX POWER PROJECTS PVT. LTD.	Installation, Testing, Commissioning of the following below; a). Street Lights. b). Pole, Cable, Cable Termination, Conduits, Lighting & Fixture, other Internal electrifications work etc.
3.	NUCLEAR POWER CORPORATION OF INDIA LIMITED	Maintenance of outside operating island lighting system
4.	KARAN ENTERPRISES	Electrification of M/S Shahi Exports Bhuvneshwar-2 Odisha.
5.	DLF, MEGA MALL	SITC of following; a). Panels, cables, cable tray & raceway b). Lighting & fixtures c). Fire Alarm system d). Public address System
6.	VOLTAS	ITC of following; a). Panels, cables, cable tray & raceway b). Lighting & fixtures

9.2.2. CIVIL CONSTRUCTION

S.No.	CUSTOMER DETAILS	SCOPE OF WORK
1.	M/S OM INFRASTRUCTURE LTD at District Rampur on a/c Uttar Pradesh Jal Nigam	Construction & laying of; a). Pump Room. b). Boundary Wall c). HDPE Pipe & House connections

******THANK YOU VERY MUCH FOR GIVING YOUR VALUABLE TIME******