



COMPLETE MEP SOLUTIONS



VISION

Creating with passion and innovation, world class infrastructure to make human life comfortable.

PHILOSOPHY

At BMS, success is a measure of promises kept. It is the single most cherished dream in every project that we have decided to undertake. Commitment to the cause is what has driven us in the last three decades. And commitment is the key in times ahead.

MISSION

Profitable growth through superior project management, innovation, quality and commitment.

VALUES

- Customer orientation
- Wealth creation
- Employee empowerment
- Systems and processes
- Teamwork and cooperation
- Pro-activeness and innovation

STRENGTH

- Execution efficiency
- In-house engineering and design capabilities
- Sector focused
- National presence
- More than 40+ projects completed
- Visionary Board and experienced Management Team
- Strong Financial profile
- Rich base of owned construction equipment and fixed assets
- Effective policies and adherence to QHSE
- Long-term support of business associates

BIJATECH MEP SOLUTIONS

Making human life comfortable with world class Infrastructure

BMS Pvt. Ltd. is India's leading infrastructure development and MEP solutions provider company with focus on sustainable development for Power, Utility, Solar Power, Ducting & Insulation.

With 15+ years of experience and pan India presence, BMS has executed more than 40+ projects and created significant value for the country, thus touching the lives of millions of people with the provision of power generation and distribution, Utility Infrastructure development, Solar Power & Energy Saving Project and Lighting.

Engineering to the Core

BMS has integrated its strength in advance and in-depth engineering, integration, process technology, project management fabrication, procurement, erection, construction and commissioning to offer distinct responsibility under strict delivery agendas. Many engineering and electrical projects executed by BMS have set new benchmarks in terms of scale, quality sophistication and speed.

International Alliances

Strategic alliances with international technology-domain leaders' enable access to advanced technical knowledge to execute projects better and faster. Specific technology tie-ups are carried out on case to case basis matching global standards.

In-house Research & Development

BMS has in-house engineering capabilities for both project design and construction to provide integrated solution for designing and building the project to meet client's requirements. Its design, engineering, and IT enabled facilities include the modern CAD centre using various design and project management software.



Integrated approach towards complete Power & Utility Solutions

The world is increasingly getting smarter and looking for secure, intelligent and smart power and utility solutions to improve quality of life. India is fast becoming an urbanized nation with increasing demand for uninterrupted power supply and improved services. After independence, India has only 1362 MW generation capacity, but opening up of power sector and enabling reform in policies helped it achieved remarkable growth in power generation capacities to reach 302 GW by the end of 2016.

BMS offers integrated solutions for basic and detailed engineering, system integration, and technical specification to meet plants' requirements in terms of technology, standards, specification, and quality. The expertise includes conceptualization, detailed design, project planning, procurement, erection and commissioning of power, utility and solar system projects, solar power plants, balance of plant projects, transmission & distribution, piping with electrical and instrumentation works etc. BMS also offers modernisation services for plants that include energy saving, performance improvement and upgrading of major equipment.

Scope of Services

- ⚡ Electrical Infra Developments
- ⚡ Utility Infra Developments
- ⚡ Solar Power Generation and Infra Developments
- ⚡ Energy Saving Project
- ⚡ Ducting and Insulation



HVAC



ELECTRICAL



PLUMBING

ELECTRICAL INFRA DEVELOPMENTS

Electrical infrastructure developments is the process of planning , designing and constructing the system that generate, transmit and distribute electrical power to plant through High Tension (HT) and Low Tension(LT) network. This complex process includes building power plants, sub stations and transmission/ distribution network to deliver electricity to end user.

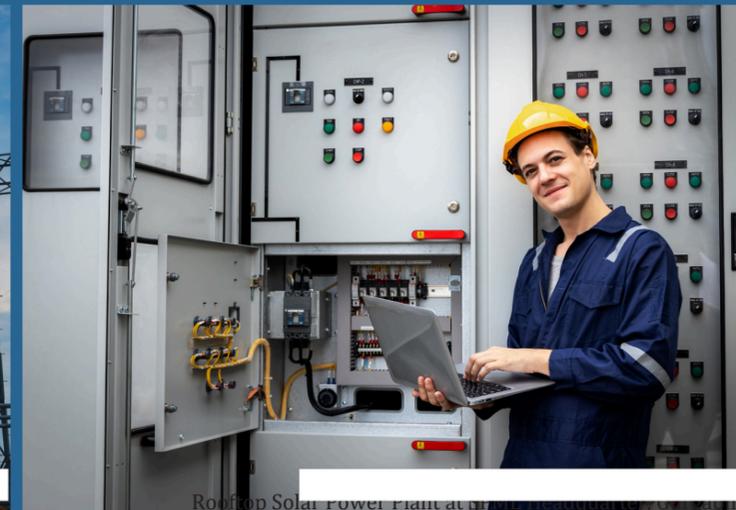
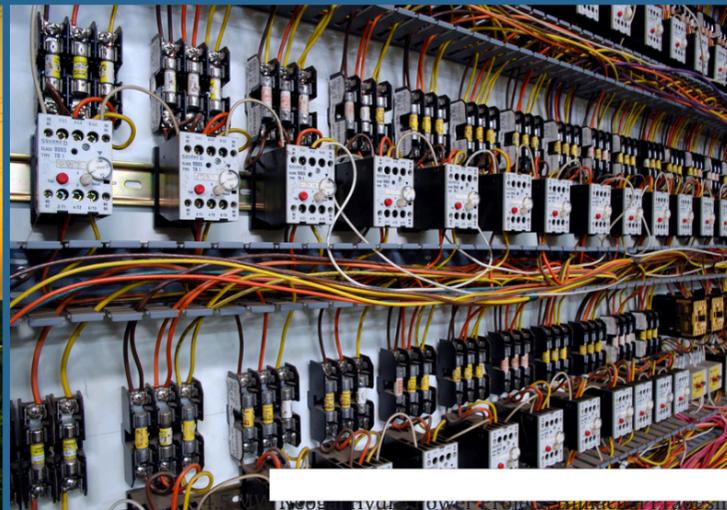
BMS provides a credible solution towards reliable, clean and renewable solar power generation and complete electrical setup. BMS is a premier renewable power generation and electrical infrastructure development company focused on managing power requirements of the consumers. BMS is equipping itself for the future by way of contemporary technology, skilled workforce and technical capacity building.

SCOPE OF SERVICES

- ⚡ Design, planning and engineering
- ⚡ Power Generation and distribution
- ⚡ Substations upto 33 KV
- ⚡ HT /LT System
- ⚡ Indoor & outdoor Lighting
- ⚡ HT/LT Electrical Panel Manufacturing
- ⚡ Cable and Wiring Distribution and Networking
- ⚡ P.A.System
- ⚡ CCTV System
- ⚡ Fire Detection and Alarm
- ⚡ Energy Management and Saving Projects



Generator Room at 20 MW Kabini Hydro Project, Karnataka



Roof top Solar Power Plant at [unclear]

UTILITY INFRA DEVELOPMENTS

Industrial utility infrastructure development involves building and improving the essential services needed for industries such as water, oil, air, steam, gas and LPG. Key aspects include expanding the national grid to connect supply and demand centers, improving safety efficiency by moving from road transport to pipeline and using technologies for precise mapping and monitoring. BMS is currently spearheading, executing and managing high-value projects on Engineering Procurement Construction (EPC), Public Private Partnership (PPP), and Build-Own-Operate-Transfer (BOOT) basis by using advanced technology to ensure that new facilities are cost-efficient and meet the environmental standards. BMS has the resources, experience and necessary flexibility to meet client's needs and actively support the development of utility infrastructure in India to cater the ever growing demands.

SCOPE OF SERVICES

- ⚡ Design, planning and engineering
- ⚡ Pipelines and Distributions for Water, Air, Gas, Oil, Steam and LPG
- ⚡ Utility Generation Equipments Chiller, Compressor, Cooling Towers & Boilers
- ⚡ Fire Fighting Lines and Distributions
- ⚡ Setup of Fire Fighting Equipments
- ⚡ IBR pipe lines installation
- ⚡ Orbital & Argon welding
- ⚡ MS Structure and industry equipments manufacturing
- ⚡ SS Furniture for Pharma & FMCG Industry



Keyvel Thermal Power Plant, Tamil Nadu



Santhaldih Thermal Power Plant, West Bengal



Simhadri Thermal Power Plant, Andhra Pradesh



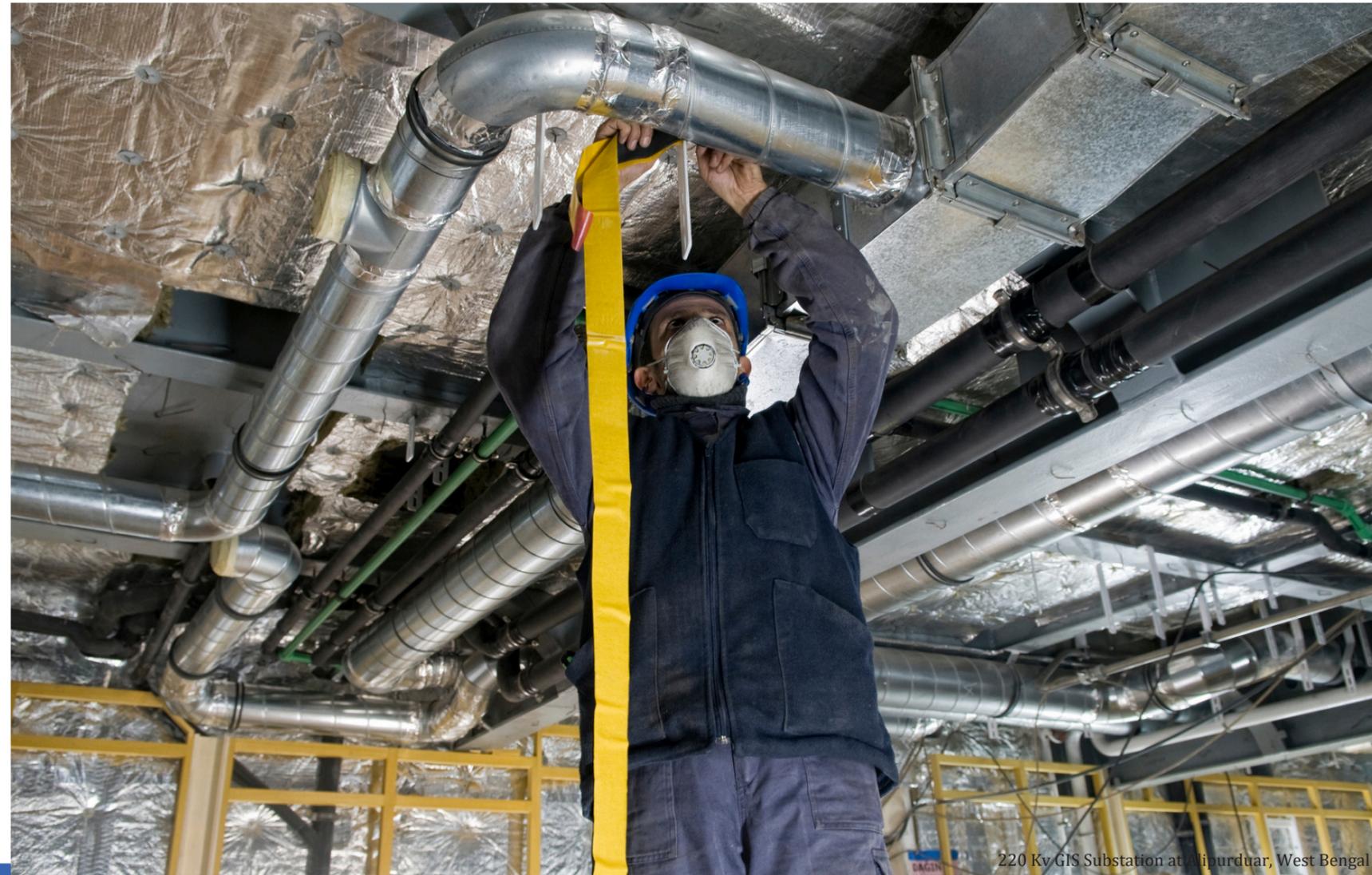
Thermal Power Plant at Korba, Chhattisgarh

PIPELINE AND DUCT INSULATION

Pipeline and duct insulation that cover topics like specification, installation guidelines, risk management, and thermal analysis. Common documents include HVAC duct insulation specifications, risk assessments for applying insulation, and technical reports on thermal performance. Resources can be found on sites like Scribd, Research Gate and government or industry.

SCOPE OF SERVICES

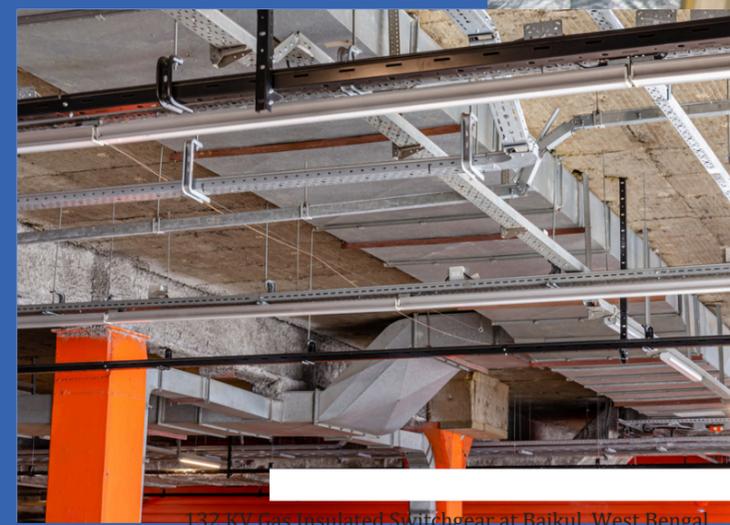
- ⚡ Pipe line cold insulation : Thermocol, Nitrile , XLPE
- ⚡ Pipe line hot insulation : rockwool
- ⚡ Duct cold insulation : Nitrile , XLPE
- ⚡ Aluminium Cladding: Pipelines and Ducts



220 Kv GIS Substation at Alipurduar, West Bengal



100 Kv DC Twin Moose Transmission line at Gurgaon to Bhiwara



132 KV Gas Insulated Switchgear at Bajkul, West Bengal



400 Kv Power Transmission System at Mairpuri, UP



220 Kv Substation at Mirzapur, UP

SOLAR ENERGY SYSTE

Solar Energy Systems capture the sun's light and convert it into usable energy, Primarily electricity or heat through technologies like photovoltaics (PV) and concentratingsolar power (CSP). These system are made up of components such as solar panels, which convert sunlight into direct current(DC) electricity, and an inverter , which converts it to the alternating current (AC) used homes and industryries.

1. Photovoltaic (PV) Systems
2. Concentrating Solar Power (CSP)
3. Solar Heating and Cooling (SHC)

SCOPE OF SERVICES

- ⚡ Solar Panels 400 Kv
- ⚡ Inverter
- ⚡ Mounting and Racking
- ⚡ Batteries (Optional)
- ⚡ Switchboard
- ⚡ Grid Metering



220 Kv GIS Substation at Alipurduar, West Bengal



100 Kv DC 4 Wm Moose Transmission Line - Guntur to Binnur



132 KV Gas Insulated Switchgear at Bajkul, West Bengal



400 KV Power Transmission System at Mampani, Orissa



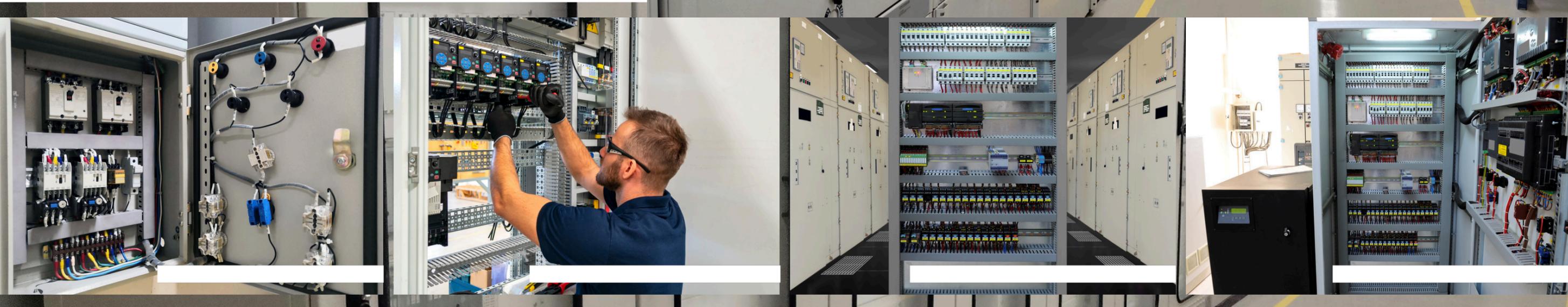
220 Kv Substation at Mirzapur, Orissa

ELECTRICAL PANEL MANUFACTURER

Electrical control panel component pdf types of electrical panel or IEC 61439 Standard. These documents can include comprehensive guides to different types of panels with safety standard IEC 61439 or Technical documentation on individual components like circuit breaker.

SCOPE OF SERVICES

- ⚡ MCC Panel
- ⚡ PCC Panel
- ⚡ APFC Panel
- ⚡ AMF Panel
- ⚡ Firefighting Panel
- ⚡ Utility Panel
- ⚡ Energy Saving Panel
- ⚡ DG/ Power Synchronization Panel
- ⚡ Control and Automation Panel
- ⚡ Lighting and distribution panel



Smart Energy Management

Integrated smart energy management is the new age solution to fluctuating power with optimizing energy generation and distribution, demand side and energy efficiency management. SPML with comprehensive domain knowledge, continuous innovation and national experience is providing optimized turnkey solutions for power generation, high voltage efficient transmission, substations, and city distribution solutions to utilities and consumers. SPML also provides clean and green energy solutions by spearheading solar, wind and hydro power projects and committed to nation's power development program.

Scope of Services

- ⚡ Smart Grid
- ⚡ Smart Transmission & Distribution Network
- ⚡ City Distribution System
- ⚡ Smart Metering & Billing
- ⚡ Smart Lighting System
- ⚡ Energy Storage System (ESS)
- ⚡ Economic Load & Dispatch Management
- ⚡ Optimization of Distributed Power



Operation & Maintenance

SPML has the capability and experience in plant operations & maintenance (O&M) both on combined-cycle power plant and coal fired plants. SPML's excellent track record in operation & maintenance is supported by its technical and organizational expertise and significant operational experience to provide better value to its clients without compromising on health, safety and environment. It offers a complete range of O&M services to power plants by adopting the latest O&M tools and methodologies adaptable to business environment that ensures plant performance to the highest standards.

SPML has experience in setting up full scope O&M organizations to ensure safe and efficient operations and effective management of both planned and unplanned maintenance activities. As an EPC / O&M contractor for major power plants, SPML provides a seamless hand-over from construction to operations.

Scope of Services

- ⚡ Mobilisation
- ⚡ Commissioning
- ⚡ Competency and training
- ⚡ Implementation of state of art O&M tools and methodologies
- ⚡ Engineering risk assessment
- ⚡ Supply & repair maintenance
- ⚡ Plant performance modelling and analysis
- ⚡ Technical due diligence
- ⚡ Fuel management
- ⚡ Inventory management
- ⚡ Emission monitoring
- ⚡ Asset management
- ⚡ Environmental issues



OUR CLINTS



GROWING TOGETHER





SAVE ENERGY SAVE EARTH



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