

MITHUN MUKHERJEE & ASSOCIATES

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B.E CHARTERED ENGINEER(ELECTRICAL)

NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

ENLISTED (GOVT LICENSED HOLDER)

DESIGN FOR ALL ELECTRICAL SERVICES

ABOUT US



We are an array of dynamic Electrical .We hold ourselves up as technical consultants and offer our clients best possible engineering solutions within time frame.

Ex. DCPL(Development Consultants pvt ltd)Sumitao Mitsui(Experience 18 years)



Electrical Engineering Design Expertise

A)Detail Engineering of Residential Building, Research Centre, Hospital, Malls

- 1.Load Calculation
- 2.Transformer & Diesel Generator Sizing.
- 3.Preparing Specifcation &Tendering.
- 4.Illumination Layout Drawing.
- 5.Cable Tray Layout .
- 6.Sizing of HT< Power Cable.
- 7.Lightning Layout & Calculation.
- 8.Vendor Panel Drawing Checking.
- 9.Inspection of Equipment's and Panels.
- 10.Earthing Calculation &Detailing.



Electrical Engineering Design Expertise

A.H.E.C)

B)Detail Engineering of HYDRO ELECTRIC POWER PALNT(IIT, ROORKEE,

- 1.Preparation of Main Single Line Diagram , Layout & Section , General arrangement Drawing , Illumination Layout & Circuit distribution for Indoor and Outdoor , Cable Trench Layout with Invert Level etc.
- 2.Design Calculation of Plant Earthmat , Cable Sizing, DSLP, Indoor and Outdoor Illumination with Dialux etc.
- 3.Preparation of Bill of Quantity for Plant equipment , Earthing rod , Illumination , Auxiliary Hardware etc.
- 4.Transformer & DG Sizing With Synchronization Scheme , Maximum Demand Calculation.
- 5.Preparation of Cable Termination Schedule and final Bill of Materials.

C)Detail Engineering of SOLAR PV SYATEM OFF AN ON GRID)

1. Load Estimation of SOLAR PV SYSTEM.
2. Estimation of No's of PV Panel.
3. Estimation of Battery Bank.
4. Sizing of The Inverter System
5. Preparation Of System SLD
6. Sizing of The PV Array.
7. Sizing for Grid Tie Solar System
8. Cable Sizing
9. Building Integrated PV system

C)Detail Engineering of WIND MILL

1. Load Assumption for Wind Turbine.
2. Supervising of Electrical Installation with Grid Connection.
3. Sizing Of the Lightning Arrester System.
4. HT & LT Cable Sizing
5. Preparation Of System SLD
- 6.Preparation of Bill of Quantity for Plant equipment , Earthing rod , Illumination , Auxiliary Hardware etc.
- 7.Transformer & DG Sizing With Synchronization Scheme , Maximum Demand Calculation.
- 8.Preparation of Cable Termination Schedule and final Bill of Materials.



Electrical Engineering Design Expertise

D)Detail Engineering Substation

- 1.Substation equipment Layout Drawing Plan Section.
- 2.Substation Earth Mat Layout Drawing.
- 3.Substation Trench Layout drawing with Plan §ion
4. Lightning Protection Drawing.
5. EKD with Plan &Section Drawing along with BOM.
- 6.Switchyard Illumination Layout Drawing
- 7.Cable Tray Layout for Both Power Plant and Substation
- 8.Sizing of HT< Power Cable.
- 9.DSLP layout and calculation
- 10.Inspection of Equipment's and Panel

E) Inspection and Manintenance

1. Routine Inspection , Maintenance & testing for Transformer(ONAN, AN)HT Panel, Outdoor VCB, CT , PT , LA, ISOLATOR
2. Routine Inspection , Maintenance & testing for Relay (Numeric and Electromechanical)
3. Periodic Inspection for Transformer(ONAN, AN)HT Panel, Outdoor VCB, CT , PT , LA, ISOLATOR.
4. Servicing for Operation Mechanism

CLIENTS/ PROJECT DETAILS

- ▶ Dc Paul & Sons
- ▶ Rail Vikash Nigam Ltd
- ▶ Loharuka Group
- ▶ Keventer
- ▶ Hcg Eko Cancer Hospital
- ▶ Sishu mangal Hospital
- ▶ PS Group
- ▶ Shyam Steel
- ▶ Bancharam
- ▶ S&IB
- ▶ Birla School
- ▶ MMCS PVLTD
- ▶ PC Chandra

WHY US



- Cutting edge technologies and knowledge base for providing fruitful & cost effective solutions best suitable for your business operation.
- Innovation in our concepts, services, products and delivery system to provide our clients with viable solutions.
- Responsible conduct towards our customers, employees, the community and environment in which we operate constant improvement to meet the ever-changing needs of our customers.
- Taking the long view in our businesses and actions to ensure that we have a Sustainable future.

COMPANY MISSION & VISION



Our Mission :-

- To Guide customers through the fundamentals.
- To ascertain the most visible aspect of their businesses with continuous emphasis on meeting the needs of our clients, without losing sight on value.

Our Vision :-

- To contribute towards the growth of an increasingly discerning Market and industry, and achieving customer satisfaction not only for outstanding workmanship, but also quality design, concepts functionality and style.





Quality:-

- Lasting clients' satisfaction with quality and service.
- Committed and dedicated to continuous quality improvement.
- Leading edge in participative management and teamwork.

Values:-

- Emphasis on quality work as part of our culture.
- Quality awareness and practice at all levels
- Providing the best to achieve client satisfaction
- Strive to be the best-quality driven corporation in the industry



THANK YOU

