

REDISCOVER ENERGY



ABOUT US

MHPP ENERGIES Private Limited (a venture promoted by the promoters of an existing Global EPC Company having experience in handling over 450 MW projects in Renewable Energy Sectors since more than two decades), provides end to end Smart Energy and Distribution Solutions both in Domestic as well as International Market.



**SOLAR
EPC and
O&M**



**ENERGY
DISTRIBUTION
AUTOMATION**



**ENERGY
MANAGEMENT,
SCADA, DMS AND
AUTOMATION**



**HIGH/MED/LOW
VOLTAGE PANELS
AND SUB-STATION
AUTOMATION**



**TRANSFORMERS,
SWITCHYARDS AND
SUB-STATION
EQUIPMENT**



**HYDRO
MECHANICAL
EQUIPMENT**

CAPABILITIES



Two Decades of
experience in Energy
EPC



Delivery of end-to-end
project implementation
support



Strategically
positioned in Asia-
Pacific and Africa



Strong Marketing
Representation &
Liaisoning



Engineering and
Consultancy



AMC and O&M
Support. Smart
Storage Solutions



Options of outright
Purchase or Tariff
based plan (RESCO
Model)



Claim shortfall in
generation via our
unique insurance
solutions



One time investment. Lifetime savings.

SERVICES (Solar)



SOLAR

MHPP's Rooftop, Ground and Floating Solar Solutions are highly efficient for domestic, commercial, and industrial applications, in both rural and urban areas. The system combines the most efficient components from the best companies to provide a comprehensive solution.



SOLAR EPC

ENGINEERING

Project Systems
Electrical
Structural & Civil
Monitoring
Evacuation



PROCUREMENT

PV Modules
Inverters
Structures
Cables & JB
Transformers



CONSTRUCTION

Land Development
Structure
Control Room
Roads & Drainage
Evacuation of Power



SOLAR DO IT YOURSELF KITS

- Quick Installation - 1KW can be installed in 30 mins.
- Qualified material, suitable for tender and Govt. projects.
- Reduced purchase time.
- Least man power requirement - only 2 people required
- Optimum design for maximum power generation
- No penetration on the surface for structure installation
- Inverter with latest MPPT technology with remote monitoring



SOLAR O&M

MHPP provides operation and maintenance services for utility scale, residential and commercial photo voltaic systems

View the performance of all your plants on one single page

Get detailed analysis of the plant performance and track power generation

Get historical analysis of the data generated



SERVICES (Automation)



ENERGY AUTOMATION



Feeder Automation For Overhead & Underground N/W



Sub-station Automation



Unmanned Sub-station



Hydro Power Plant Automation



Solar Power Plant Automation



Remote Energy Profiling And Access



Auto Recloser Automation



Distribution Transformer Monitoring Solution



DG Set Automation For Centralized Monitoring



ENERGY AUTOMATION CAPABILITIES

- Automation and Modernization of Overhead Distribution Lines for reduction in downtime and Realtime monitoring of feeders
- Fault Monitoring Digital system to monitor faults in overhead and underground distribution lines
- Digital Augmentation of existing Sub-stations (Sub-station Automation) – Automating protection, control, monitoring, and communication capabilities of sub-station.
- Installation of Intelligent Electronic Devices (IED's) with corrected protocols and configurations to improve the availability of overhead feeders and sub-station
- Installation of new generation 3G router and gateways at the field controllers of the IED's for bringing them on common protocol (IEC 104 recommended for 3G/GPRS networks and DNP/IP for Radio Networks)
- Providing communication interface converters (Serial to Ethernet OR Serial RS232 to 485 etc.)
- Creating a GUI (Graphical User Interface at the control center) with integrating SCADA/DMS to monitor energy assets and infrastructure
- Developing a secure data communication interface and network for easy data retrieval

SERVICES (Products)



HIGH / MEDIUM / LOW VOLTAGE PANELS AND SUBSTATION AUTOMATION

Leading Suppliers, Exporters and Service Providers of all range of LV, HV Equipment and Accessories, coupled with Substation Automation. MHPP Energies manufactures its own LT Panels, ACDB's, AJB's etc. via its ancillaries.



TRANSFORMERS, SWITCHYARDS AND SUBSTATION EQUIPMENT

MHPP offers Indoor Switchgear & Outdoor Switchyard. equipment for 11kV / 33kV / 66 kV / 132kV substations in both AIS and GIS version equipped with state-of-the-art SCADA system.



HYDRO-MECHANICAL EQUIPMENT'S

MHPP Designs and Supply Hydro-Mechanical equipment's, such as Penstock Gates, Trash Racks and Cleansing Systems, Screen Rakes etc. for Power Projects, Dams etc.



GENERATION INSURANCE

Claim Shortfall in Generation. This protection supports the performance of the project at the system level to help sustain its intended revenue stream once that project becomes operational.

References (Part)

SUBSTATIONS

| S.No. | Project Name | Location | Type of Switchyard | Voltage Level | Transformer Capacity | No. of Outgoing Bays | Total No. of Bays |
|-------|---------------|----------|--------------------|---------------|----------------------|----------------------|-------------------|
| 1 | Hanu | J & K | Outdoor | 66/11 | 6.3 MVA | 2 | 6 |
| 2 | Dumajrohi | Orrisa | Outdoor | 132/11 | 18/22MVA | 1 | 5 |
| 3 | Waki | Africa | Outdoor | 6.6/33 | 7.5 MVA | 1 | 2 |
| 4 | Mor-II | Turkey | Indoor | 33/6.3 | 4.0 MVA | 1 | 4 |
| 5 | Miyagam | Gujarat | Outdoor | 66/11/0.415 | 12/15 MVA | 2 | 4 |
| 6 | Nam-Peun 1 | Laos | Outdoor | 115/11 | 15/18 MVA | 1 | 3 |
| 7 | Namarjun Madi | Nepal | Outdoor | 33/132 | 16 MVA | 2 | 2 |

AUTORECLOSERS

| S.No. | Product Name | Project Description | Qty | Customer/Client Name |
|-------|---------------------|---|--------|---------------------------------------|
| 1 | 11 kv Autorecloser | Supply, Installation, Testing & Commissioning | 4 Nos. | TPDDL (Tata Power Delhi) |
| 2 | 11 kv Sectionalizer | Supply, Installation, Testing & Commissioning | 11 | TPDDL (Tata Power Delhi) |
| 3 | 33 kv Autorecloser | Supply, Installation, Testing & Commissioning | 1 No. | SIDDIVINAYAK FORGING Pvt. Ltd., |
| 4 | 33 kv Autorecloser | Supply, Installation, Testing & Commissioning | 1 No. | Tejassarnika Hydro Energies (P) Ltd., |

SOLAR

| S.No. | Project Name | Location | Type | Sites | Total Capacity (KWp) |
|-------|--------------|----------|---------|-------|----------------------|
| 1 | PGCIL | Nagpur | Rooftop | 9 | 246 |
| 2 | PGCIL | Raigargh | Rooftop | 9 | 139.6 |

UNMANNED SUBSTATIONS

| S.No. | Key Product Name | Project Description | Qty | Customer/Client Name |
|-------|---|--|-----|----------------------|
| 1 | 11 & 33 Kv Autoreclosers (VCBs, with BCPUs, RTU/Gateways along with SCADA, 3G/Broadband Communication with routers, M2M gateways, VPN etc. Transformer protection and trouble functions, all field installation, cabling and related activities | Survey, Design, Supply of material, erection, testing & commissioning of 33/11 kV , 2x1.6 MVA Un-Manned Sub/station with 33 kV HT lines, SCADA System/GPRS Device and terminal equipment at main control room under Electric Division HPSEBL, Dharampur, Mandi | 1 | Mandap, HPSEB |

DTMU & FPI

| S.No. | Product Name | Project Description | Quantity | Customer/Client Name |
|-------|--------------|---|----------|---|
| 1 | DTMU | Supply, Installation, Testing & Commissioning of Implementation of Smart Grid Project at kala Amb in Himachal Pradesh | 21 Nos. | Client: HPSEB and Contractor: Alstom/GE Consultant: PGCIL |
| 2 | FPI | Supply, Installation, Testing & Commissioning of Implementation of Smart Grid Project at kala Amb in Himachal Pradesh | 30 Sets | Client: HPSEB and Contractor: Alstom/GE Consultant: PGCIL |

MICRO GRID

| S.No. | Product Name | Project Description | Quantity | Customer/Client Name |
|-------|--|---|----------|----------------------|
| 1 | Solar PV, DG Set, Grid Connected Batteries, Synchronizing System, SCADA, Load Management and Demand Controller | Supply, Installation and commissioning of Micro Grid, Test Bed of Solar PV, Diesel Generator, Grid connected Batteries and Grid with Demand Side Management | 1 No. | NTPC |

More References will be shared on request. Reference are in Partnership with SEL

WHY MHPP



ENERGY EXPERTISE

MHPP Energies is managed by experts having extensive experience in the Power Sector. We have in house capabilities to deliver EPC projects from concept to commissioning



AGILITY & RESPONSIVENESS

With our quick turnaround time – from capacity, analysis, commercial proposal, site customization, etc. to timely commissioning, we are quick to deploy projects and assure quality standards.



STRONG MANAGEMENT

Our strong management team has proven execution capabilities. Our senior leadership team includes experts in energy, automation, finance and public policy, with track records of building successful businesses.



CORE VALUES

At MHPP, we put great emphasis on four core values that we call the foundation of our approach to building a successful & healthy work culture.:

Customer Centricity, Respect,
Continuous Learning & Execution
Excellence



SIMPLIFYING
SOLAR



COMPETITIVE
PRICING



RATED
VENDORS



EASY
BUYING



FINANCING
OPTIONS



STANDARD
QUALITY






LIFETIME
SUPPORT



GET IN TOUCH

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