



NATURAL SUN POWER OF BANGLADESH



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COMPANY PROFILE

NATURAL SUN POWER OF BANGLADESH



MANAGEMENT TEAM NATURAL SUN POWER OF BANGLADESH



Md. Shafiqul Islam
Managing Director



Khandaker Mehedi Hasan
Director Sales



Barki Imam
Director Marketing



Md. Amir Hossain
Director Technical



**Director, Corporate
marketing**



Shohidul Islam
Sohag Director, SCM



Md. Iftekhar Husen
Manager



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INTRODUCTION

NATURAL SUN POWER OF BANGLADESH (NSP) was established in 2010 and is an electrical and electro-mechanical company in Bangladesh specializing in design, build, construct, supply, install, service, maintenance of electromechanical systems, utilities and equipment.

As an electrical and electro-mechanical service company, NATURAL SUN POWER OF BANGLADESH (NSP) places great emphasis on its relationship with clients, private or commercial, and pride ourselves on the ability to respond to your contracting requirements in an efficient and cost effective way.

Our sound knowledge of any electrical work allows us to be hands on in every aspect of the job from the beginning to end.

OUR VISION

To become one of the leading and most reliable electrical Engineering contacting companies in Bangladesh.

OUR MISSION

Guided by our vision we shall deliver high-quality, cost-effective projects on schedule and enhance our client's satisfaction through continuous improvement of our business practices in terms of safety, quality, service delivery as well as sound environment awareness policies.





AREAS OF EXPERTISE

NATURAL SUN POWER OF BANGLADESH (NSP) provides the following products and services for our valuable clients across the country.

Supply, installation & maintenance. 1) Sub-station 2) Solar System 3) Generator 4) Lift & elevator 5) Power Factor Indicator (PFI) 6) CCTV 7) Inverter & UPS 8) Solar Street Light

Our offers cover the following major areas:

➤ **Electrical Erections & Installations :**

The fixed electrical installation is the electrical wiring, service transformer, electrical machinery and electrical components that are fixed to a building. Installations include, for instance, panel boards, generator installations, ceiling lights, power sockets, large items of machinery termination.

NSP Bangladesh will plan and design, select and install, commission, test, report, maintain, fault find and repair systems to a high standard. Work organization and self-management, communication and interpersonal skills, problem solving, flexibility and a deep body of knowledge are the universal attributes of our electricians.

➤ **Electrical maintenance :**

Maintenance involves fixing any sort of electrical device should it become out of order or broken (known as repair, unscheduled, or casualty maintenance).

Electrical maintenance means the care and checklist of electrical equipment or instruments to avoid any breakdown or fault. To tighten all electrical connections, to upgrade the power

rating of safety-switches is also a part of electrical maintenance.

Electrical maintenance services offered at all levels, industrial, commercial and residential. Below are indicators on what our work involves.

- Electrical re-wiring of houses, office blocks and industries.
- Fault finding and repair of fault.
- Repair of faulty lights, switches and plugs.
- Repair of tripping switches.
- Assist with power supply issues.
- General electrical related repairs.
- Connection of hot water systems (geyser etc.)
- Electrical reticulation.

NSP Bangladesh provides premier electrical contracting and maintenance for public sectors and private customers in commercial, domestic and industrial markets throughout of Bangladesh. We offer short and long term maintenance contracts.

➤ **Power factor correction :**

Power factor correction (PFC) is a newer technology used in computer power



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supplies. PFC is applied to the circuits that include induction motors as a means of reducing the inductive component of the current and thereby reduce the losses in the supply. PFC has no effect on the operation of the motor itself.

Before offering a solution to our customers, NSP takes the necessary electrical measurements of your network. This allows us to better understand your power consumption and power factor constraints and ensures that our offer is based on sound and accurate information. We also consider physical constraints when submitting a proposal.

We minimize downtime incurred as a result of the installation of our equipment, through careful planning and consultation with our customers. After the required hardware is installed, you will notice an immediate improvement in power factor, a more efficient use of your available electrical power and of course monthly savings in your electricity bills.

➤ **Overhead 22/0.4 kV transmission lines:**

Our expertise covers also the design and construction of three-phase 22kV and 0.4kV distribution lines, both overhead and underground system. There includes also design and installation of load-break switches, service or distributed transformers, switchgear and switch board.

➤ **Generator solution :**

An electric generator is a device that converts mechanical energy obtained from an external source into electrical energy as the output. Generators are useful appliances that supply electrical power during a power outage and prevent .

discontinuity of daily activities or disruption of business operations. Generators are available in different electrical and physical configurations for use in different applications.

Our competent installers will gladly advise you on all generator technology matters, help you to choose the system that's just right for you and after installation will offer you comprehensive service.

➤ **Solar PV System:**

Off-grid solar PV system installation requires specific accredited guidelines. We at NSP Bangladesh provide our customer with the technical expertise and know-how about selection and installation of the right components, so that they can derive the maximum generation from their solar system. We provide solution for both off-grid and on-grid connected solar system. For off-grid connection it is important to select the optimum PV system (Monocrystalline or Polycrystalline), battery bank capacity (storage system), charge controller as per the load profile and site characteristics of the customer. We aim to design the best environment friendly and cost-effective solution for our customer tailored to their needs. Grid-connected solar PV system requires expert guidance in order to ensure safe and smooth operation in the event of power outage. For on-grid connection it is important to select the optimum PV system (Monocrystalline or Polycrystalline), battery bank capacity (storage system), charge controller as per the load profile and site characteristics of the customer.



Supply & Installation :



High KVA Transformer



ACB



PFI



Elevator



Generator



Energy Meter



Solar Sytem



Street Solar Sytem



MC





MAJOR PROJECT HISTORY

STANDARD BUILDERS LTD

> SUPPLY & INSTALLATION (SUB STATION, LIFT, SOLAR SYSTEM)

UDAYON HOLDINGS LTD

> SUPPLY & INSTALLATION (LIFT, SUB STATION, GENERATOR, SOLAR SYSTEM)

PRACHIR DEVELOPMENT LTD

> SUPPLY & INSTALLATION (LIFT, SOLAR SYSTEM, CCTV, GENERATOR)

BANGLADESH CLIMATE CHANGE TRUST

> SUPPLY & INSTALLATION (STREET LIGHT) AT KISHOREGONJ MUNICIPALTY)

AMAN BANGLADESH

> SUPPLY & INSTALLATION (SOLAR SYSTEM) AT UKHIA COX'S BAZAR

RAJSHAHI UNIVERSITY OF ENGINEERING & TECHNOLOGY

> SUPPLY & INSTALLATION (SOLAR SYSTEM)

NOVA HOLDINGS LTD

> SUPPLY & INSTALLATION (SUB STATION, SOLAR)

SHARE & CARE HOLDINGS LTD

> SUPPLY & INSTALLATION (SUB STATION, LIFT, SOLAR)

WORKING EQUIPMENT

- ALL HAND TOOLS.
- SCAFFOLDING, LADDERS etc.
- WORKSHOP.
- ELECTRICAL TESTING EQUIPMENT.
- ELECTRICAL TOOLS i.e. (DRILLING MACHINES, GRINDERS etc)
- LARGE CABLE STAND, LARGE CRIMPING GEAR etc.
- HV TESTING EQUIPMENT.



HEALTH AND SAFETY POLICY STATEMENT

NATURAL SUN POWER OF BANGLADESH Firmly believes in the significance of health and safe working practices of our employees, as it forms the fundamental part of the effectiveness and efficiency to our management. Furthermore, as an organization and the employer, we do acknowledge our commitment, so far as is reasonably, in ensuring for the health and safety of our employees, public health and not to endanger our environment.

Our statement of general policy is:

- To provide adequate control of the health and safety risks arising from our work activities.
- To consult with our employees on matters affecting their health and safety.
- To provide and maintain safe plant and equipment.
- To ensure safe handling and use of substances.
- To provide information, instruction and supervision for employees.
- Training:
 - To prevent accidents and cases of work-related ill health.
 - To maintain safe and healthy working conditions; and
 - To review and revise this policy as necessary as regular intervals.



All employees have to:

- Co-operate with supervisors and managers on health and safety matters.
- Take reasonable care of their own health and safety and report all health and safety concerns to an appropriate person.

PROJECT QUALITY PLAN

The purpose of this quality plan is to define specific key requirements related to quality performance and ensures a thorough understanding of such of all projects parties concerned. Through project quality plan awareness and implementation the performance of the engineering, procurement construction and support functions may effectively and efficiently achieve their objectives and provide the client with a project that fulfills their quality requirements and expectations.

The PQP activities are the below:

- Mobilization.
- Engineering.
- Procurement and material management.
- Planning.
- Execution.
- Quality control.
- Contracts administration.
- Document control.
- Warehousing.
- Site administration.

And ensuring that these related activities are planned, implemented and control their progress and effectiveness is monitored.





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OUR CLIENTS

NSP Bangladesh has several clients using its array of products or services. Our team members have the distinguished experience and association with different national and international organizations in different sectors. A partial list of these clients includes:



Solar system work



Substation work



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Some Work Execution :





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