

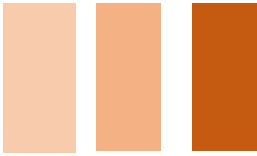
# RELIANCE POWER GROUP



**BUILDING  
STRONG**

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## INTRODUCTION

RPC is totally Afghan owned, operating as Reliance Power Group, is the name behind one of Afghanistan's most advanced and prestigious construction and engineering company. Since its inception in 2008, RPC has been serving its clients like: Government of Afghanistan, Government of the United States, North Atlantic Treaty Organization (NATO) and many other commercial and international organizations – by providing groundbreaking solutions to most complex challenges in the fields of; Management Services, Construction Engineering, Electrical Engineering and Maintenance Services.



RPC believes the foundation of our success lies in a commitment to understanding and meeting our clients' requirements for safety, workmanship, on-time delivery and value-for-money. In terms of innovation, we invest in the Research and Development of new products and have our own modern production facilities for precast concrete, pre-fabricated materials and building systems.

RPC with more than 100 staff in office and factory, over 300 personnel in projects, can say that RPC has been growth very well. Likewise, RPC is subcontracting some part of projects to other related companies or professional teams to bring high quality works in undertaken projects. These subcontractors included electrical teams, construction, concrete supply, procurement and other related companies.

RPC now possesses all required factors for ensuring correct and timely execution of all Construction and Electrical related projects all over Afghanistan.

## OUR MISSION

Our mission is to build strong and a unique portfolio of engineering and construction, Management Services and Maintenance Services, products, providing quality, innovation and value to our clients through our passion for high standards, our respect for diversity and our commitment to create exceptional opportunities for professional growth.



## OUR VISION

Our vision is to remain Afghanistan's premier Engineering, Construction, Management Services and Maintenance Services and environmental company, pursuing excellence through dedication, experience and disciplined employees with an ongoing passion to deliver quality, timely and profitable projects.



- Customers and partners will see us as integral to their success. RPC will anticipate their needs and deliver on every commitment it makes.
- People will be proud to work with RPC and RPC will create opportunities to achieve the extraordinary and we will reward success.
- Communities will regard us as responsible and responsive. RPC will integrate global and local perspectives, promote sound management of resources and contribute to a better quality of life.

## ENERGY SECTOR:

Offering a broad range of engineering, procurement and construction services encompassing all areas of the energy market, including power generation, distribution LV/MV, electrical wiring and communication, maintenance and supervise the electrical plant and project as well.



### ❖ POWER PLANTS

- 1- Running, testing and commissioning of Generators;
- 2- Synchronizing of Generators;
- 3- Fuel Tank testing and commissioning;
- 4- Running, testing and commissioning of Transformers;
- 5- Testing and Commissioning of Switch Gears;

Benefiting from long experience of its directors & specialists in their respective fields & applying the vast resources it has procured. RPC Co. now possesses all required factors for ensuring correct & timely execution of services included plan, perform, supervise, manage, test and maintain of some part or whole project but not limited to:

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- a. Power stations such as hydroelectric, steam and diesel generation in all type and sizes, we have special team on generator synchronizing and maintenance of power plant that has many years professional experience in this field that will bring you highest quality.
- b. Substations (transformer station) including indoor substations, outdoor substation and Compact substation transmission and distribution system. Supply and installation of all electrical poles and street lights types.
- c. High Voltage, Medium Voltage and Low Voltage overhead lines including transmission and distribution system.
- d. EMT Piping, Cable tray, Installing Ceiling fan, Lighting Installation, Wiring System.
- e. Power Pole installation, Street light pole installation, Cable pulling, Underground cabling, Trenching, Manholes.
- f. Mechanical & Plumbing Systems; (Air Handling Unit system (AHU), Water heater, Unit heater)



### ✓ GENERATOR SYNCRONIZING

After completing several generation power plants with different generator and engine in difference sizes, we can proudly say that we got enough experience for all type of synchronizing project all around Afghanistan with newest technology that has been use in the world, RPC become specialized in complete power plant solutions, electrical and mechanical balance of plant and distributed control systems. Also manufacturing high quality panel board and kiosk-transformers in Afghanistan according international standards.



### ✓ TESTING AND COMMISSIONING

RPC has its own equipment and laboratory to take responsibility to check and test all electric related equipment and works performed. Such checks will make relative to certified equipment which has been valid reference to the standards and calibration chains recognized internationally. When no norm of standard gauge exists, the basis for calibration will be documented and reported to client.

By skilled and trained personnel RPC now providing maintenance of Electrical plant such as power plan, substations and finished projects to serve continues technical services.



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## TRANSMISSION & SUBSTATION

We are proud of being the part of afghan companies in the field high voltage substations in Afghanistan while with our quality people and advanced information technology, we are dedicated to offering the most comprehensive range of services in fields of procurement, engineering, power, construction and telecommunication as a local contractor in Afghanistan that enable our customers to make "All the Right Moves" in their supply chains.

As the security situation in Afghanistan has constantly been critical and may even deteriorates in coming years, RPC has the honor of having professional local teams compatible with local insecure conditions, in all provinces of Afghanistan, which will ultimately result in offering low competitive price to our valued clients by omitting the relevant security cost in hazardous areas as well as augmenting the capacity of workforce within short period of time in order to meet our client timescale requirements.



RPC is an established engineering and contracting group with strong capability and expertise in engineering, procurement and construction (EPC) of electrical power substations, transmission lines and telecommunication systems for power networks up to 220 KV in Afghanistan which always made its all efforts in direction of meeting international codes and standards to gain full satisfaction of customer.

## CONSTRUCTION SECTOR

RPC is experienced in a wide range of professional construction project delivery methods such as General Construction, Construction Management and Design/build. While these project delivery methods differ in their contractual relationship, at RPC they all share one common focus; conducting our business as an extension of your project staff, with the best interests of your project foremost in our mind.



### Construction Services:

- Architecture Design;
- Materials Procurement;
- Erection of Foundations;
- Construction of Structure (roads, buildings and bridges);
- Construction of roof Plaster of cement -Sewerage and water pipe;
- Installation -Construction of floors and bathrooms;
- Paints and electrification;
- Road construction and Re-construction.

We provide consistent performance, outstanding deployment of resources, strategic planning, and seamless project execution from inception through to completion. From feasibility to pre-construction, through construction and facility maintenance, you can be assured of receiving building solutions that deliver the greatest value in terms of project scope, cost, schedule and quality. We accomplish this through empowering our Team, by constantly seeking to improve our knowledge base and experience, and by expanding our thinking and resources as the world economy, community and technology evolve. This incorporates optimal use of the technological advances for enhancing communication, coordination, and management in all aspects of our business. Our construction expertise include:

- Military Compounds
- Medical Facilities
- Training Ranges
- DFACs
- Fuel Storages and Piping
- Power Plants

## MAINTENANCE SERVICES

Based on our experience in projects maintenance from 2008, RPC Maintenance Services have a competitive edge in the following areas: Our professional maintenance system is designed to cater our client's customized need in order to achieve their requirement based on their budget. Our experience technical staff and trained workers aspire to deliver high quality maintenance services. Our modern equipment together with the right choice and quality of chemical used in executing our task enables us to ensure a better finishing. Entrusted with the task of your maintenance services, RPC Maintenance Services being a professional people in the maintenance industry will henceforth take full responsibility of your premises and ensure that



we will employ our best effort in meeting your requirement. As the realization toward the important of housekeeping increase among the industrial society, it is our duty to upgrade your company's housekeeping requirement in order to the industrial standard. In doing all this we believe that your business will be a success. We have a vast interest in your success because our business depends on

your success. At RPC Maintenance & Cleaning Services, whether your business is small or large, you will get the same professionalism from us. In addition to our core cleaning services, we also provide a full range of support services.



## PROJECT MANAGEMENT SERVICES

Given the multi-faceted nature of construction, integration is the name of the game. And who you choose to have on your team will be crucial to its success. Our consultants have the proven expertise and ability to provide seamless integration solutions for your construction program. We'll collaborate with you to tackle the day-to-day responsibilities, while being mindful of the bigger picture.

RPC's construction program management teams work closely with owners, architects, engineers, and other construction consultants to provide seamless integration between all stages of the construction process. From concept or pre-construction to project closeout, RPC's construction and engineering consultants provide proactive problem solving solutions for any construction program.

By assigning individuals with specialized project-specific knowledge, RPC's program management consultants serve as an integral part of each project team. RPC works hard to ensure that projects come in on time and within budget.



### Site Supervising

- They are responsible to the Site Manager for ensuring the safety and well-being of all employees under their control. Safety Officer and supervisors will be responsible for routine daily inspections.
- They are responsible for ensuring that employees under their control utilize the safety equipment or clothing provided to conform to the Safety Standards of US Army COE (section 01525) as well as the local safety rules, and to ensure that the employees are made aware of the responsibilities attached to their duties.
- They will be responsible for ensuring that all accident or dangerous occurrences are reported and investigation reports are completed.
- They will be responsible for the safety of plant, tools and equipment issued to employees and that all such and tools equipment are maintained in safe working condition.

## PROJECT QUALITY CONTROL

Reliance Power Group's main goal is to respond to the increasing demands in construction projects and rehabilitation in Afghanistan for a qualified and capable company which could provide the potential customers with suitable solution based on international electrical standards, advanced technology of electrical equipment and service



Believing in the scientific and specialized capabilities of local engineers and specialists, RPC performs all of its design and engineering activities by Afghan engineers, and all the personnel and directors desire continuous improvement in technical know-how and the industrial conditions and as a result the country's technical specialization independence. Achieving this objective would not be possible but with continuous efforts of each researcher, specialist and industrialist in the country, therefore, all Co. staff and directors have chosen the following principles as the guideline for their activities:

- Improving the personnel skills and knowledge through continuous training for improving the quality via appropriate and suitable planning;
- Effective implementation of documented procedures and work instructions of the organization's quality system.
- Participation and co-operation between all the directors and personnel in order to achieve continuous improvement in quality;

Improvement of staff relationships, mutual respect and sincere cooperation within groups for optimizing the activities which affect the quality.

## TEAMWORK & PARTNERSHIP

Reliance Power Group works with the clients as a team. RPC believes that teams not individuals are the essential unit of this organization for achieving high performance and accelerating personal growth. Teamwork and partnership aren't just words to us, we respect the value and contribution of every person and every job is essential to our success. Lasting relationships are the lifeblood of our business. By integrating all disciplines and working together with our clients, our partners and our supply chain, we make a real difference to the way construction is delivered. We take a highly collaborative approach to our work. We work closely with owners, architects and the rest of the



planning team well before ground is broken. Teamwork is how we manage our projects and our company that is Why Reliance Power Company (RPC) takes team work very seriously. (RPC) is a full service construction agency with expert knowledge and skills, from the re build of an existing construction re design to entirely new features.

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## HEALTH AND SAFETY POLICY

Improvement of performance and increase of productivity of the company depends on the increase of efficiency of the resources, and for achieving this purpose:

- a. It is mandatory to create a safe and healthy environment full of vitality and excitement and also to establish a ground on which the values of the members and the personnel of the organization are highly esteemed and uplifting is motivated.



- b. Observing rules and regulations of the county, believing in the ongoing improvement together with the increase of the confidence and profits of the parties interested, ongoing improvement of the level of awareness of personnel, preventing, decreasing, and omitting accidents and risks of workplace, making the subcontractors to observe health, safety and environment principles of the



company, maintaining the determined objectives by periodical evaluations, are the effective factors in safety, health, and maintaining the health of the personnel.

- c. Exerting suitable methods to control resources consumption, wastes decrease and efficiency in energy consumption. RPC Company in order to apply the rules of work protection and control the man errors and finally to prevent and decrease the physical and financial accidents is appoint some persons as safety officers with relevant education and experience to lead the employees to observe the safety regulations and instructions by training, inspection, encouragement and even sometimes by punishment.



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All staff receives general safety training when they commence work at the jobsite with refresher courses at regular intervals by RPC Expert trainer or Employer trainer. Attendance at this training is compulsory; failure to attend is notified to their directors for action. These are the headlines of the policy of RPC Company and the esteemed colleagues are to have the abovementioned cases achieved and are to do their best to have a healthy, safe, and vital environment.



## CAPACITY AND EQUIPMENTS

RPC Co. designs and supplies the equipment for power plants and performs all electrical projects, benefiting from the specialization and capabilities of the organization's specialists and directors, observing and implementing the national and international standards in designs and planning's in order to present products and engineering services of the highest level of quality according to the determined specifications and in compliance with the related codes and standards in accordance with the contracts to the customers and gains their satisfaction and confidence.

RPC Co. now has more than 300 skilled personnel working in project and factory and beside that, using qualified subcontractors in undertaken project for successful & timely execution of projects and RPC already has an ethnic relation with the local resources such as concrete plant, construction companies, supply, logistics, transportation companies and other companies that we need in projects.



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## LIST OF EQUIPMENTS

Based on the project nature and requirements, suitable machineries and tools will be provided and used for erection, commissioning and supervisory works. Sufficiency of the machineries and tools and also their proper quality and quantity are an important factor in the execution work progress and the final work performance.

The following list is normal machineries and tools RPC is using for site works however it is to be noted that different works may need different machineries and tools that can be easily and freely procured or rented.

- ✓ Emergency Diesel Generator
- ✓ Hi-Pot Test Device (AC & DC)
- ✓ Cable Fault Locator & Cable Locator
- ✓ Megger
- ✓ Earth Resistance and Resistivity tester
- ✓ Insulation Resistance tester
- ✓ Multimeter
- ✓ Insulation Resistance
- ✓ Power transformers insulating oil dielectric breakdown tester
- ✓ Transformer Turn Ratio Tester
- ✓ Transformer winding resistance tester
- ✓ Transformer Oil Filtration Machine
- ✓ Oil moisture tester
- ✓ 3 Phase power Analyzer
- ✓ Different Drill Machines
- ✓ Grinders
- ✓ Cable Jack & Roll
- ✓ Grounding System Accessories
- ✓ Hydraulic & Manual Press for cable Termination
- ✓ Conduit & Pipe bending equipment
- ✓ Guillotine for Cable Cutting
- ✓ Instrument in different type and sizes
- ✓ All required wiring tools
- ✓ Scaffolding Equipment
- ✓ Concrete mixer
- ✓ Vibrator



- ✓ Compactor in different sizes
- ✓ Hydraulic Pressure Test Equipment
- ✓ Rental Crane (5, 10, 25 & 60 Tons)
- ✓ Truck
- ✓ Car
- ✓ CONEX



## FACTORY

Afghanistan's first largest industrial power address, with production capability of industrial power boxes, cable trays and establishing largest power projects in all over Afghanistan, with best quality ever manufactured inside the country now keep their best quality of work for more than 10 years and even improved with newest technology and trained staff to help for a better reconstruction of



Afghanistan. RPC established in January (2002) along with authorization of Afghanistan water and power regulation department.

RPC is considered as an international standard, and equipped with modern technological power machineries, inspect of field professional experts and hardworking technical staff. Construction activities after long war period in the region produced many different kinds of pollutant which may cause power producing contamination problems. The problem of concern at construction sites is big quantities with low qualities, which is the result of no experienced field experts, technical employees and old machineries. In addition this old deed often requires use of old procedures, which can be harmful to humans, plants and aquatic life.

RPC is manufacturing cable trays in different type and sizes, International Standard panel boards, Kiosk Transformers. RPS is assembling all types of panel boards and Auto transfer switches according to the clients inquiry with the highest quality and best prices.

### Electrical Goods Products:

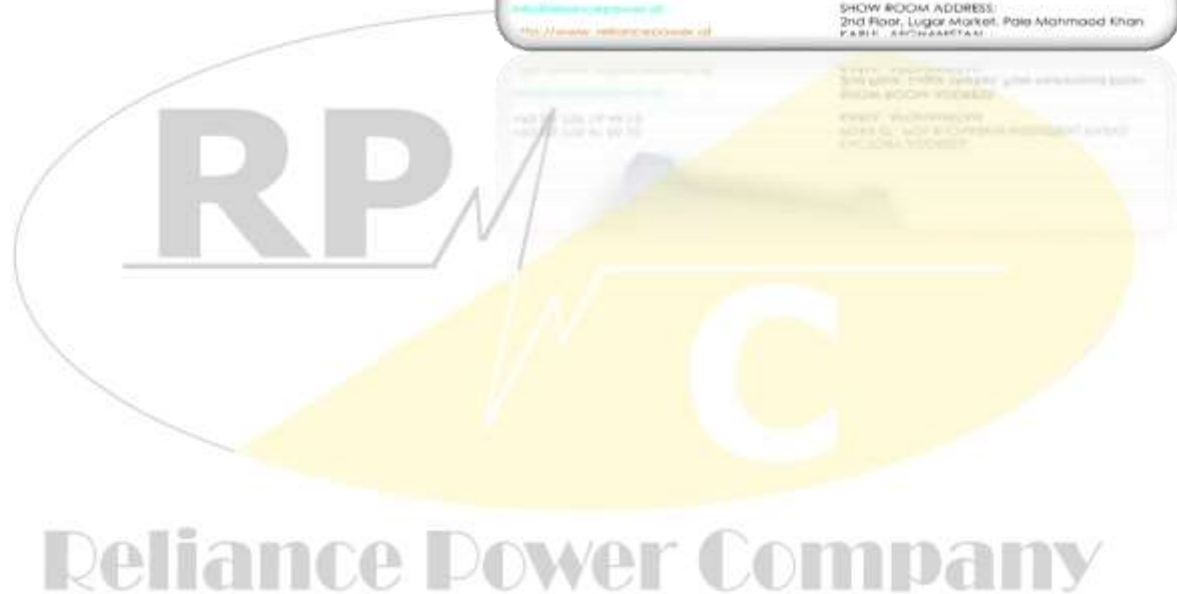
Due to special situation in Afghanistan and local markets, procurement of standard equipment especially technical goods that have high quality and meet international standards is not simple work, but RPC makes that easy for its customers. Our procurement department will take care to provide the best quality material according to international standards and clients' needs in shortest time. Also RPC is manufacturing MV and LV panel boards, Automatic Transfer Switches, transformer kiosk, electrical poles, different type of cable tray, cable ladder and related accessories according to international standards and customer inquiry.



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✓ **Automatic Voltage Regulator (ROC):**

We at RPC also is manufacturing the Automatic Voltage Regulators up to 500KVA (single and three phase).RPC Regulator stabilizers provide efficient protection for your electrical and electronic equipment's against voltage fluctuations. We at RPC also is manufacturing the Automatic Voltage Regulators up to 500KVA (single and three phase). RPC Regulator stabilizers provide efficient protection for your electrical and electronic equipment's against voltage fluctuations.



**SOME OF RPC PAST PERFORMANCE**

CLIENT	TYPE OF WORK PERFORMED
Gilbane /SSCC	Ministry on Defense head quarter building electrical installation , fire alarm system ; communication system and power plant
Gilbane /Focus	Ministry on Defense head quarter building electrical installation Phase II
MVL	Site distribution and power plan commissioning
INNOVATIVE TECHNICAL SOLUTIONS INCORPORATED(ITSI)	Ministry on Defense head quarter building electrical installation Phase II
INNOVATIVE TECHNICAL SOLUTIONS INCORPORATED(ITSI)	Ministry on Defense head quarter building electrical installation
ANA Mazar Sharif	Power plant upgrade
CH2Mhill	Power Plan installation
Dyncorps	Providing and installation Electrical panel boards
Lithuanian PRT	Camp renovation (cabling, installing new generators, new block wiring)
Green Tech.	70KV Hipot test, 10KV Insulation Resistance test, Grounding Resistance test, Continuity Test, Transformer Winding Resistance test, and Transformer Turn Ratio test.
KEPI International Global Construction Projects / Diverse Locations	ENABLING MAINTENANCE HANGER WORK AND ASSOCIATED CONTAINERIZED WORKSPACE
KEPI International Global Construction Projects / Diverse Locations	EQUIPMENT SUPPORT FACILITY AND VEHICLE SOLAR SHADES AT HAMID KARZAI INTERNATIONAL AIRPORT
KEPI International Global Construction Projects / Diverse Locations	UK NATIONAL SUPPORT (NSE) RELOCATION



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