



# ALENIX<sup>®</sup>

## POWER PROJECT

simplicity meets perfection





## About us

### ALENIX POWER PROJECT

Alenix Power Project located in non-polluting industrial area Gurgaon, Bilaspur Haryana, India is among the top Government approved H.T. Electrical Contractors. It is known for supplying the best quality electrical goods, services and installation standards in every nook and corner of the nation through its highly skilled and experienced workforce.

We are a team of well-qualified workers having extra-ordinary skills who work constantly in enhancing the quality of our products with the special care towards their safety and durability. We always ensure that the products we manufacture are safe, efficient and effective. We at Alenix Power Project take special care in selecting raw materials and then manufacture, package and supply every product of ours with intense care after undergoing the quality checks.

Not only our products and services but our infrastructure is also very well-equipped and plays a key role in manufacturing and supplying excellent quality of products and service standards. We work towards fulfillment of every desire of our client in the best possible manner and in order to achieve this, we provide complete support system. Alenix Power Project has acquired a good reputation among its competitors for getting the job done by meeting the deadlines, within budget and in accordance with the needs of the clients. Our strong dedication, zeal and hard work in satisfying our clients with our service standards have made us among the best electrical contractors in our customers' list over the past many years.

## Manufacturing plant

### STATE OF THE ART SETUP

We at Alenix Power Project design our products with utmost care and dedication keeping in mind their quality, safety and timely delivery. In order to produce and manufacture the products, our plant is equipped with some of the latest machinery obtained from the world-class brands like AMADA, HACO, YANGLI, MVL, etc. Because of our high-tech machines, we have always met the demands of our customers in an effective manner and thus, hold a considerable amount of market share across the globe. Our installations are highly integrated and future ready because of the fact that we enhance the quality of our products with the aid of some of the upgraded technological machinery and testing equipment. Such testing equipment are HV test equipment, HV Testing bench, primary injecting kit, secondary injecting kit upto 6000Amp, Insulation tester, Digital powder coating thickness tester, Screw gauge vernier caliper and Digital analogue.

Our plant also has state of art powder coating booth. By following the industry standards, we make special efforts in catering to the demands of our customers regarding the taste and colour by providing extra surface finishing through our fully integrated powder coating process. Prior to the treatment process, the surface needs to be made appropriate for powder coating by removing rust, dust and oil. MIG Welding machine is a high quality welding machine that welds without slag and also does not use any type of flux. Thus, it ensures faster and premium quality weld through its notable features such as gas cooling, torch length of 3MTR and wire size of 0.8MM.





# Machinery

## BEST IN CLASS TECHNOLOGY

We use a variety of machinery in manufacturing our products such as Turret Punch TPP Amada, CNC Bending machine, CNC Sharing machine.

Turret Punch TPP Amada machine is responsible in getting a punch in sheet as per design. A single AC servo drive turret punching machine has a rigid frame. The machine is bankable, intelligent and simple to use and control. Loading and unloading of large station tools are quicker and safer because of its pneumatic tool balancer. It is possessed with some extraordinary features like high speed marking and eliminated slug pull. CNC Bending machine is mainly used to bend the sheet in accordance with design or drawing. This machine gives uniform bending to the entire length by superseding the traditional press brake. The Haco Model is a centrally guided roller and pressure application system which maintains parallelism correctly.

CNC laser marking machine uses CO2 Advance RECI sealed glass laser tube with the laser power of 90Watt. The machine's working size of 600\*400mm occupies the process area of 24''\*18''. CNC laser marking machine bears internal motion system by using stepper motor co-operated with belt system. Some of the essential components of the machine are of top international brands like, Laser lens are imported American II V, Laser mirror is from Singapore and high quality Slider is from Taiwan. Another striking feature of CNC laser marking machine is that it has an inbuilt Wi-Fi, 750 Watt exhaust fan and 500 Watt Air pump.



TURRET PUNCH TPP AMADA



CNC LASER MARKING MACHINE



YANGLI QC12Y-6 X2500



CNC BENDING MACHINE

# Certifications

## ACCREDITATIONS RECEIVED BY US

**CENTRAL POWER RESEARCH INSTITUTE (MEMBER OF STL)**

**TEST REPORT**

Test Report Number: CPRI/PLS/INMISC/1910236 Date: 5 September 2019

Name & address of the Customer: M/s Alenix Power Project, S-2916, 29 DLF Phase-III, Gurgaon, Haryana 122010

Name & address of the Manufacturer: M/s Alenix Power Project, S-2916, 29 DLF Phase-III, Gurgaon, Haryana 122010

Particulars of sample tested: 415V, 600VA, PCC LT Panel (Non Extendible)

Type: New

Designation: Power Cum Motor Control Centre

Serial number: ALM2M170

Date(s) of Test(s): 07 July 2019

CPRI sample code no.: STNMISC190801

Particulars of tests conducted: Verification of the short circuit withstand strength

Test in accordance with Standard/specification: As per customer's requirement and procedure followed as per clause 10.1.5.3.3 & 10.11.5.3.5 of IS/IEC 61439-1:2011, IS/IEC 61439-2:2011

Sampling plan: Not applicable

Customer's requirements: STC test to be conducted on main circuit busbar only

Deviations if any: STC test was conducted on main circuit busbar only

Name of the Witnessing person: Shri Anil Kumar Singh

Customer's representative: Shri Anil Kumar Singh

Test subcontracted with address of the laboratory: None

Documents constituting this report (in words):

Number of sheets	Five
Number of milligrams	Nil
Number of graphs	Nil
Number of photos	One
Number of Test circuit diagrams	Two
Number of drawings	Three

(V.P.U. SHARMA) TEST ENGINEER

(S.M.B.H. MUNSHI) Joint Director

SWITCHGEAR TESTING & DEVELOPMENT STATION GOVINDPURA, BHOPAL-462023, INDIA Phone: +910755 256602; Fax: +910755 288774

**FORM F**

Authorized Signatory Level: **II** (By Level)

Approved by: **CPRI**

Government of Haryana No. H- 2658/17

LICENCE OF "A" CLASS ELECTRICAL CONTRACTOR GRANTED UNDER RULE 45 OF THE INDIAN ELECTRICITY REGULATIONS, 1956

NEW REGULATION 29 OF THE CENTRAL ELECTRICITY AUTHORITY (MEASURES RELATING TO SAFETY & ELECTRIC SUPPLY) REGULATIONS, 2010

Shri/Anand: **M/S. ALENIX POWER PROJECT**

**F-501, ROSEBUD POWER PLANT CAMPUS**

**DELHI - 69**

I/We hereby licensed to carry out Electrical Installation work in the HARYANA subject to the conditions mentioned hereunder.

NAME OF SUPERVISOR: (1) Sh. **LUCAS NISHAN SHARMA** - 3664

(2) Sh. **Sudhakar**

(3) Sh. **Sudhakar**

Secretary, Licensing Board, Haryana

Date: **23-5-2019**

Date of renewal: **23-5-2019**

Date of expiry: **23-5-2018**

**Secy Licensing Board Haryana**

**CENTRAL POWER RESEARCH INSTITUTE**

**TEST REPORT**

Test Report Number: CPRI/HAHMISC/2019028 Date: 14 February 2020

Name and Address of the Customer: M/s Alenix Power Project, S-2916, 29 DLF Phase-III, Gurgaon, Haryana-122010

Name and Address of the Manufacturer: M/s Alenix Power Project, C-268 Ansal Pioneer Industrial Park, Dhaspur, Gurgaon, Haryana-124115

Particulars of Sample tested: 415Volts, 200amps LT Distribution Panel

Type: Refer Sheet 2 of 5

Description of test sample: ALMXP/PS501

Number of Sample tested: One

Date(s) of Test(s): 13 & 14 February 2020

CPRI sample code number(s): NOAH/MISC/205034

Particulars of test(s) conducted: Degree of Protection: IP-65

Test in accordance with Standard/specification: IS/IEC 61439-1: 2011

Sampling Plan: NIL

Customer's Requirement: NIL

Deviations, if any: NIL

Name of the witnessing persons: Mr. Anil Kumar Ray

Customer's Representative: Nil

Other than Customer's Representatives: Nil

Test subcontracted with address of the laboratory: NONE

Documents constituting this report (in words):

No. of Sheets: FIVE

No. of Graph(s): NIL

No. of Photo(s): ONE

No. of Photograph(s): NIL

No. of Test Circuit Diagram(s): ONE

No. of drawing(s): NIL

(M.K. Jaiswal) Test Engineer

(S. Bhattacharyya) Head of Division

High Voltage Laboratory Regional Testing Laboratory Plot No. 34 Institutional Area, Sector 62, Noida-201309, (UP), India Fax 0120-2402224 and Phone No. 0120-2402823

**UKTECH CERTIFICATIONS (UK) LTD.**

**CERTIFICATE OF COMPLIANCE**

ROHS Directive (2011/65/EU) of the European Parliament and of the Council of Use of certain Hazardous Substances in Electrical and Electronic Equipments

Certificate No. - EQ012010809

Manufacturer: Alenix Power Project, S-2916 DLF Phase - III, Gurgaon, Haryana, 122010, Electrical Control Panel, MCC Panel, PCC Panel, Cable Trays, Rising Mains, Sandwich Bus duct & Enclosures.

This is to state that the above mentioned product is in compliance with ROHS Directive (2011/65/EU) of the European Parliament and Commission Decision 2005/618/EC restriction of use of certain Hazardous Substance Lead (Pb), Mercury (Hg), Cadmium Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs) in Electrical and Electronic Equipments.

Statement: This certificate declares that the product type / model describe above complies with the requirements mentioned above European Standard(s)

Remarks: This certificate of compliance is based on the evaluation of a sample of the above products. It does not imply and assessment of the mass-production of the product holder may use this certificate. In connection with the test report. This certificate be informed (revision of technical file) for any modification or alterations made aforementioned product type(s), including design and manufacture and/or extension of existing scope of application.

Validity of this certificate can be verified at [www.uktechcertifications.co.uk](http://www.uktechcertifications.co.uk)

Date of initial registration: 09/10/2020

1<sup>st</sup> Surveillance Audit Due: 08/10/2021

2<sup>nd</sup> Surveillance Audit Due: 08/10/2022

Recertification due: 08/10/2023

(Subject to the company maintaining its system to the required standard)

**UKTECH CERTIFICATIONS (UK) LTD.**

This is to certify that the Quality Management System of **ALENIX POWER PROJECT** S-2916 DLF PHASE-III, GURGAON, HR-122010 (INDIA) has been independently assessed and is compliant with the requirements of **ISO 9001:2015**

This Certificate is applicable to the following product or service ranges: Electrical Projects, Fire Fighting Hydrant- Detection Projects, Mfg. of Electrical Panels, Raceways, Cable Tray & Fire Fighting Equipment

Certificate No.: INR1041A

Date of initial registration: 17 October 2017

Date of this Certificate: 17 October 2017

Surveillance audit on or before: 12 October 2018

Recertification due: 16 October 2020

(This certificate is property of UK Certifications and remains valid subject to satisfactory surveillance audits)

Paul Director

UKTECH CERTIFICATIONS (UK) LTD. 14000 Green Lane, 14000 Green Lane, Lutterworth, Leicestershire, LE15 9JG, UK. Phone: +44 (0)1533 611111 Fax: +44 (0)1533 611111

**UKTECH CERTIFICATIONS (UK) LTD.**

**Certificate of Compliance**

**CE**

We hereby declare that the technical file of product complied with the requirement of Directive 2014/53/EU Low Voltage Directive & 2014/53/EU Electromagnetic Compatibility Directive.

Certificate No.: EC901010820

Manufacturer: Alenix Power Project, S-2916 DLF Phase - III, Gurgaon, Haryana, 122010, Electrical Control Panel, MCC Panel, PCC Panel, Cable Trays, Rising Mains, Sandwich Bus duct & Enclosures.

Complies with the requirements applicable to it: The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to Directives 2014/53/EU Low Voltage Directive & Electromagnetic Directive 2014/53/EU

This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.
4. The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at [www.uktechcertifications.co.uk](http://www.uktechcertifications.co.uk)

Date of initial registration: 09/10/2020

1<sup>st</sup> Surveillance Audit Due: 08/10/2021

2<sup>nd</sup> Surveillance Audit Due: 08/10/2022

Recertification due: 08/10/2023

(Subject to the company maintaining its system to the required standard)



## Our Products

### PANELS



#### 11 KV VCB PANEL

11 KV VCB Panel is one of the many panels that we provide. These VCBs belong to VK series and are type tested in accordance with international standard IEC -622271. The panels can be placed directly on the floor as they are made in draw out type. The VCB possess in-built anti pumping feature and also provide the provision of manual and electrical spring charging. Its spring charging motor voltage is 230v AC and 110v DC/ 220v DC whereas; closing/ tripping coil voltage is 24v DC/ 110v DC/ 220v DC.

#### 33 KV VCB PANEL

33 KV VCB Panel is another panel that we provide. These VCBs belong to VY series and are type tested in accordance with international standard IEC -622271. The panels can be placed directly on the floor as they are made in draw out type. The

VCB possess in-built anti pumping feature and also provide the provision of manual and electrical spring charging. Its spring charging motor voltage is 230v AC and 110v DC/ 220v DC whereas; closing/ tripping coil voltage is 24v DC/ 110v DC/ 220v DC.



#### MAIN LT PANEL (PCC)

Main LT Panel (PCC) is applied in distribution of power and also in control of Main and D.G supply. Its Rated Voltage is 415V Ac to 1000V Ac and Rated Current is upto 6300 Amp. It has copper and aluminium bus bars and the ambient temperature is 45 degree Celsius. PCC is very well tested in terms of short circuit current, temperature rise and degree of protection.

#### MAIN LT PANEL (MCC)

Main LT Panel (MCC) is a 3 phase panel having frequency of 50hz. Its Rated Voltage is 415V Ac to 1000V Ac and Rated Current is upto 6300 Amp. It has copper and aluminium bus bars and the ambient temperature is 45 degree Celsius. MCC is very well tested in terms of short circuit current, temperature rise and degree of protection.

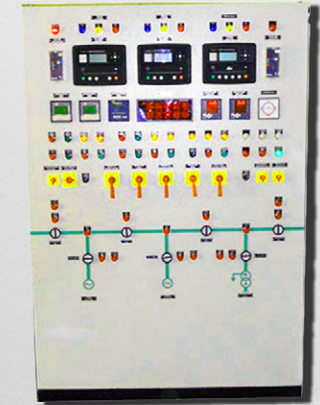


## Our Products

### PANELS & ACS

#### DG SYNCHRONISATION PANEL

DG Synchronisation Panel is a 3 phase panel having frequency of 50hz. Its Rated Voltage is 415V Ac to 1000V Ac and Rated Current is upto 6300 Amp. It has copper and aluminium bus bars and the ambient temperature is 45 degree Celsius. Its short time rating is upto 70 KA for 1 sec and the feeder configuration is fully draw out/ semi draw out/ fixed type. DG Synchronisation Panel is very well tested in terms of short circuit current, temperature rise and degree of protection.



#### CAPACITOR PANEL

Capacitor Panel is a 3 phase panel having frequency of 50hz. Its Rated Voltage is 415V Ac to 1000V Ac and Rated Current is upto 6300 Amp. It has copper and aluminium bus bars and the ambient temperature is 45 degree Celsius. DG Capacitor Panel is very well tested in terms of short circuit current, temperature rise and degree of protection.



#### AUTOMATED CHARGING STATION (ACS)

Automated Charging Station (ACS) facilitates the public to recharge a mobile device. The station integrated with power distribution equipment automatically inserts and removes electric vehicle power interface and can be controlled through a smart phone. The entire docking and undocking of process of charging connector is performed completely autonomously by a robotic arm. The effectiveness and superiority of the automatic charge docking system are tested and verified by several comprehensive experiments. The unique features of ACS include high degree of intelligence, high efficiency and negligible manual intervention.





## Our Services

### CABLE TRAY & COOLING COIL



#### CABLE TRAYS

Cable trays are among the widely known products of Alenix Power Project. Manufactured by using latest and modern technology, these cable trays are useful in preventing any kind of short circuits thus, create safe environment to work in. Another feature of these cable trays is that they are extremely affordable without compromising with the quality. Therefore, these cable trays are in high demand in all the industrial and commercial structures. There are various types of cable trays that we provide, such as Perforated cable tray, Unperforated cable tray, Mesh type cable tray and Ladder type cable tray. All these cable trays vary in sizes and sheet thickness and are accessorized with hold down clamp, wall clamp, earthing terminal, barrier strip, barrier strip connector and joint connector.

#### COOLING COIL

Cooling coils are another notable product that we at Alenix Power Project manufacture. Made by using latest and modern technology, these cooling coils help power the air handling equipment in the market. In order to acquire a comfortable indoor temperature control, such air handling equipment can easily rely on these cooling coils. We provide these coils in number of diameters and different kinds of material that are capable of giving high quality performance at affordable rates. Since selecting the right coil is essential in any coil project, we provide you the cooling coils of both copper and aluminum that are of superb quality and yield best results. Durability and long lasting nature of our cooling coils are some of the features that we can proudly ensure of.



#### EXHAUST HOIST SYSTEM

Our Exhaust Hoist systems are manufactured with utmost care and dedication by our skilled, trained and experienced workers by keeping in mind the quality and value of your money. To run any operation, effective and efficient exhaust systems are extremely critical in resolving your air pollution problems. Fans, hoods, ductwork and fume scrubbers are carefully specified, fabricated and installed so that our customers can operate effectively. Available in copper and aluminium metal, the exhaust systems safely route exhaust gases into the environment from the engine. We have designed our exhaust system as per the industry standards to ensure profitable operation and to provide safe environment for our workers.

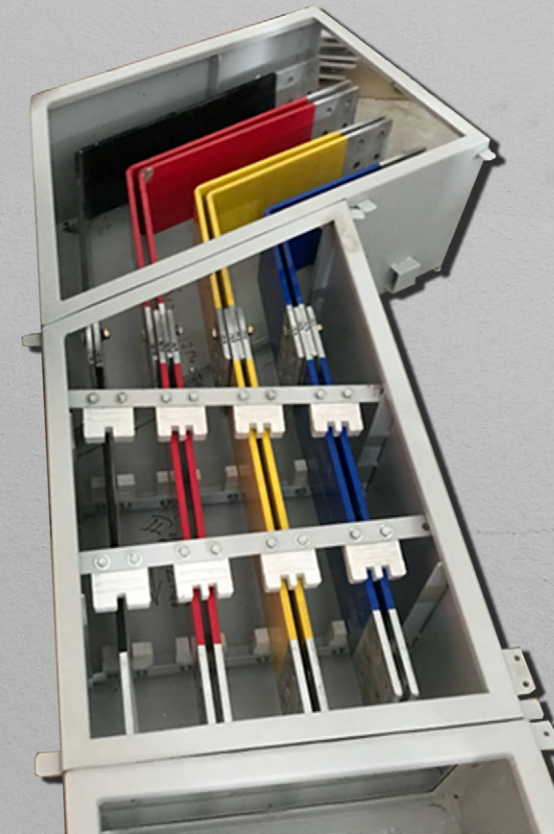


#### RISING MAINS/ BUS DUCT

The Rising main and Bus duct consists of copper and aluminium bus bars for phase and neutral supply. Being the pre-fabricated enclosure, it does integration along with installation. We offer the following two kinds of Rising main:

**CONVENTION TYPE:** It is air-insulated having Rating Voltage up to 415V and Rated Current ranging from 150AMP to 6300AMP. It has the system frequency of 50Hz. The copper and aluminium conductor material has the design ambient temperature of 45 degree Celsius.

**SANDWICH TYPE:** It is of IEC 61439(1&6) standard having operating voltage ranging from 415V to 1000V and insulation voltage of 1000V. Bus bar material is made of copper and aluminium. The insulation class is 'F', Polyester+Mica.





# Our Services

## STREET POLES & LIGHTING & SUBSTATION



### STREET LIGHT POLES & LIGHTING

Street Light Poles are the significant feature of street lighting. They have emerged as an essential ingredient in many beautification projects of urban cities. We at Alenix Power Project offer variety of street light poles ranging from 5m to 20m poles having different arm brackets in order to cater to the needs of locals and tourists. As a pole manufacturer, we provide street light poles of best quality that have yielded magical results so far. Street light poles are designed by skilled, trained and experienced workers in order to compliment the landscapes of the cities and to further provide a rich look to the busy streets of the cities. We provide different kinds of street light poles such as decorative poles, conical poles and tubular poles. While designing our street light poles, we have considered multiple factors such as spacing, height, pole geometry and drag coefficient which help us in manufacturing the best street light poles.

### SUBSTATION

Substation is another reliable product that we offer. Our substation is used for all voltage levels ranging from 11KV to 66KV. One of the most attractive features of our substations is that they are economical and require less time for construction. We at Alenix Power Project offer different types of substations such as transmission substation, distribution substation, collector substation, convertor substation and mobile substation and compact substation. Our skilled and experienced staff has designed these substations by paying extra attention to switching, protection and control equipment with the aim of making them safe, reliable, durable and long lasting.



# Our Clients

## ESTEEMED & REPUTED COMPANIES

## LASTING RELATIONS ESTABLISHED WITH TRUST




## Contact us

### ALENIX POWER PROJECT

#### HEAD OFFICE

DLF Phase – III, Gurgaon - 122010

#### UNIT

C-624, 625, Ansal Pioneer Industrial Park, Bilaspur,  
Gurgaon - 122413

#### PHONE

0124-2977030

#### HAND-HELD

+91-9650740740, +91-9990740740

#### EMAIL

mail@alenix.in

#### WEBSITE

www.alenix.in; www.alenix.co

**GOVT.  
APPROVED 'A'  
CLASS HT  
ELECTRICAL  
CONTRACTOR**

