

POWER MECH

ENGINEERS & CONTRACTORS

ELECTRICAL CONSULTANTS & LIASONING CONTACTORS

All Solution Under One Roof



"Going towards green energy"

Light Your Life

with us for a white



About Us

Power Mech Engineers and Contractors, established in 1991 is a dynamic organization of technically qualified and experienced team intended to provide end to end solutions. We undertake Government liasoning work and liasoning services for PWD (Elevators), MSEDCL, MPCB and Explosive department. We carry out job all over India and successfully delivered projects in diversified sectors.

We also undertake Solar energy work. For Solar work project we have our sister firm M/s. Solfuel. The work we carry is for all sectors which is residential, commercial and industrial. The solar work that we undertake is from installation, liasoning to the after sale services i.e. AMC (Annual Maintenance Contract).

We believe in providing technically viable and cost effective solution by understanding clients requirements with the help of all modern innovations and technologies.

We also offer services like factory electrical drawing designs, electrical safety audits, etc. We offer change of name from various departments viz. PWD (elevators), CCOE, Fire department, MIDC & etc.

We also work in collaboration with our associates to render the design solutions in other engineering services like HVAC, plumbing and fire fitting as per client requirements.

Our aim is to built a long term association with our clients and provide them electrical design solutions right from conceptualization to completion of their dream spaces. In our strive towards excellence , we emphasize on innovative , cost effective and user friendly design that enhance the quality of human experience.

We have constructed and commissioned more than 25 Nos of 33/11 KV 5 & 10 MVA capacity Substations , Augmentation of Power Transformer , Additional Extension in existing Substations followed by more than 300 KM HT Line Erection and commissioning as Incoming and Outgoing to source to substation.

For the Project of MSEDCL Infra - II we have executed for than 400 Nos of 100 KVA Pole Mounted Transformer and 50 km 3 pH 4 wire LT Line for Farmers in various regions with good quality of construction. We also serve as Electrical Consultant for Commercial Projects Like Hospitals and Commercial Complex etc.

We have served as (MEP) Electrical & HVAC Consultant, LV for reknown United CIIGMA Hospital a 100 bed Multi speciality Hospital, Aurangabad.

For focusing on tomorrow's challenges we are working in to Green Energy Sector , as Solar PV , Wind Mill , etc. We Provide all sort of Solution in Solar Segments for Planning , Designing, Shadow Analysis, Structure Design, Every Departmental Liasoning from MNRE, State Power Authority, MERC, MEDA, PWD,etc.for Solar Roof Top , Ground Mounted Projects of various capacities for Kw to MW.We have recently completed a prestigious 40 KW Roof Top Solar PV Project for Ancient Historic Place.

Shri. Ghrushneshwar Jyotirlinga Temple at world heritage place Ellora, at Aurangabad. We Also Provide service for Electrical Energy Audit and ESCO for Industrial as well as commercial Projects.

On the Basis of Energy Audit report the practical Solution for electricity conservation for reducing the energy bill is implemented at Client end. Also facilitates to get the Loan and Grant in term of subsidy through Concern Central Government Bureau of energy efficiency ministry for implementation of scheme.

We also have hand in Power trading through Open Access (solar) to Industrial and Commercial Consumers. We Provide day to day maintenance for Industries in chakan MIDC for breakdown with Quick response technical support for uninterrupted Power Supply, for Brembo brakes , Mahindra Auto steel, Metalyst Forging, Wirecom, etc.

Our Strength is our skilled technical man power ,machinery and advance measuring technique methods.

We belief in Serving mankind.. humanity ahead.



Electrical Liasoning & Approval

- ✓ Preparation for necessary document required to submit in statutory authorities.
- ✓ Submission of all the required documents and drawing for the approvals.
- ✓ Survey of Existing electrical networks around the project premises.
- ✓ Preparation of preliminary cost-effective estimation along with the electricity board officer.
- ✓ Obtaining Permission and Approval for IT , ITES Certifications for IT companies and related activities from SEZ , Directorate of Industries DIC. Competent Authorities.
- ✓ Processing and obtaining Change of Name for Industries, Sanctioning and allotment of all Industrial permission from MIDC and Central Government Authority.
- ✓ Processing and taking Permission from MSEDCL, MSETCL, for Sanctioning of HT and LT Supply , Load, Express Feeder , Multi Party , Franchise for separation of supply arrangements from all Stages official Processes to zone office MSEDCL, Head office Director Operation & CMD level for Industrial and Commercial segment consumers.
- ✓ Processing and providing technical and legal solutions, Change of Tariff in Industrial as well as commercial Slab from MSEDCL and Tariff related issues, Disputes from CGRF, Ombudsman and MERC with expertise advice.
- ✓ Obtain the necessary sanctions from MSEDCL authorities.
- ✓ Obtain the high rise permissions and charging permissions from pwd.
- ✓ DG set approvals from the CPWD and local public welfare dept.
- ✓ Liason and approval for the diesel storage tanks for large scale projects from fire and explosive departments.
- ✓ Providing services and Processing for for Environmental Clearances from Ministry of Central Government of India and State level like MPCB and etc for all sort of Projects and Industries.
- ✓ Providing Services for Import and Export License certification and clearances of material from customs and Ports.
- ✓ Processing and Obtaining BIS Level certification from Central Government of india.
- ✓ Liasoning for Solar Power Plant Erection Permissions of MW capacities and necessarily approval from MSETCL MERC & MSEDCL, for Power trading through Open Access.



Services offered

Power Mech ensure that the design solutions are acceptable to all the Govt./semi Govt. authorities and electricity board as per their rules and regulations. We peruse this fact by helping our prestigious clients in getting their electrical power sanction and completion of the electrical installation, from electricity board and competent Govt, authorities PWD. This intern helps to give marginal saving in capex and operational electrical cost to client.

We undertake design consultancy for the following Systems

- H.T and L.T distribution & Substations.
- Electrical power and Lighting convenience.
- Earthing and Lighting protection.
- Diesel generator backup system designing.
- Security system designing which includes CCTV surveillance, fire alarm, access control, public address systems.

We also assist in the following processes

- Electrical power sanctioning and approval from Electricity Board and Public Welfare.
- Department(PWD)- Electrical division.
- Approvals for net metering for the solar system
- Charging permissions for transformers and electrical systems after installations.
- Electricity duty exemptions as prescribed in the electricity and MERC(Maharashtra Electricity Regulatory Commission) norms.



General source of work

We involve and guarantee every electrical design aspects and scope required in the overall electrical design calculation, till final GFC drawing . We are ensure in – time power sanctioning process from the competent authorities.

Electrical Design Scope

Require data accumulation for electrical and allied system from concern people and concern sites.

- Electrical load calculation as per the construction area and authority norms.
- Transformer and substation design based suitable for the project.
- Diesel generator calculations as per the clients requirements and strategies planned.
- Power factor correction requirement as per available electricity board supply quality.
- HT design from tap of point to LT feeder and ensure proper power distribution.
- LT design and distribution till the final load point.
- Internal electrical design.
- Home automation scheme design in co-ordination with clients and architects as per their requirements.
- Fire alarm system design depending on the space usage and requirements as per the norms of fire department.
- UPS system calculation and suggestion as per the critical and sensitive load.
- Designing the life safety and determining earth protection requirements.
- Lightning arrester system suitable for proposed development area.
- LV system like design including public address system, access control system,CCTV,data and voice security systems, telephone and intercom etc.
- Landscape lighting system with proper power distribution and ON/OFF timer requirements.
- Water body, swimming pool, lighting design.
- Determining cable trays. Tranches and their optimum path.
- Material technical specifications and approved makes.
- Bill of material and tendering.

General
scope of work

Our Approach

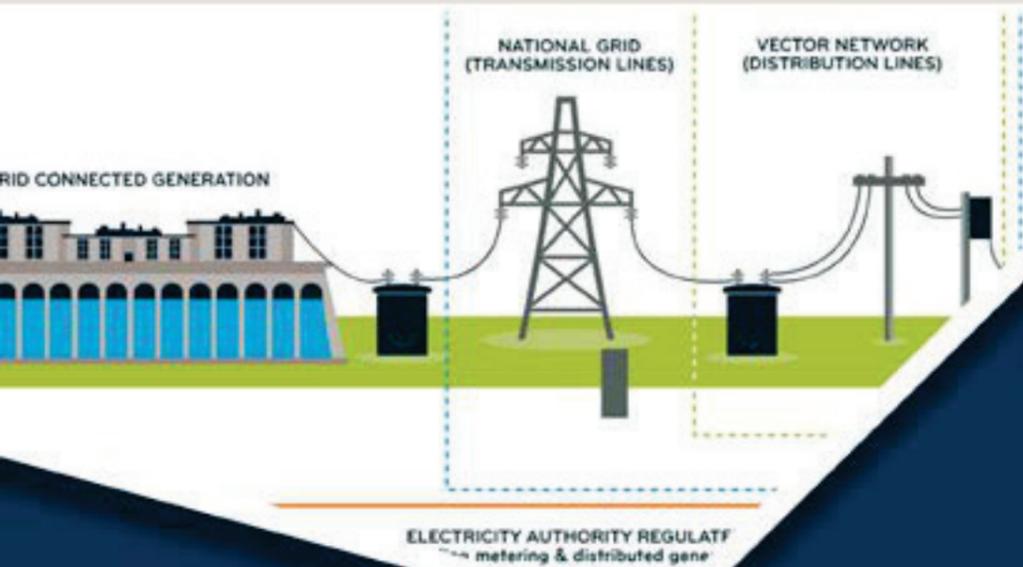
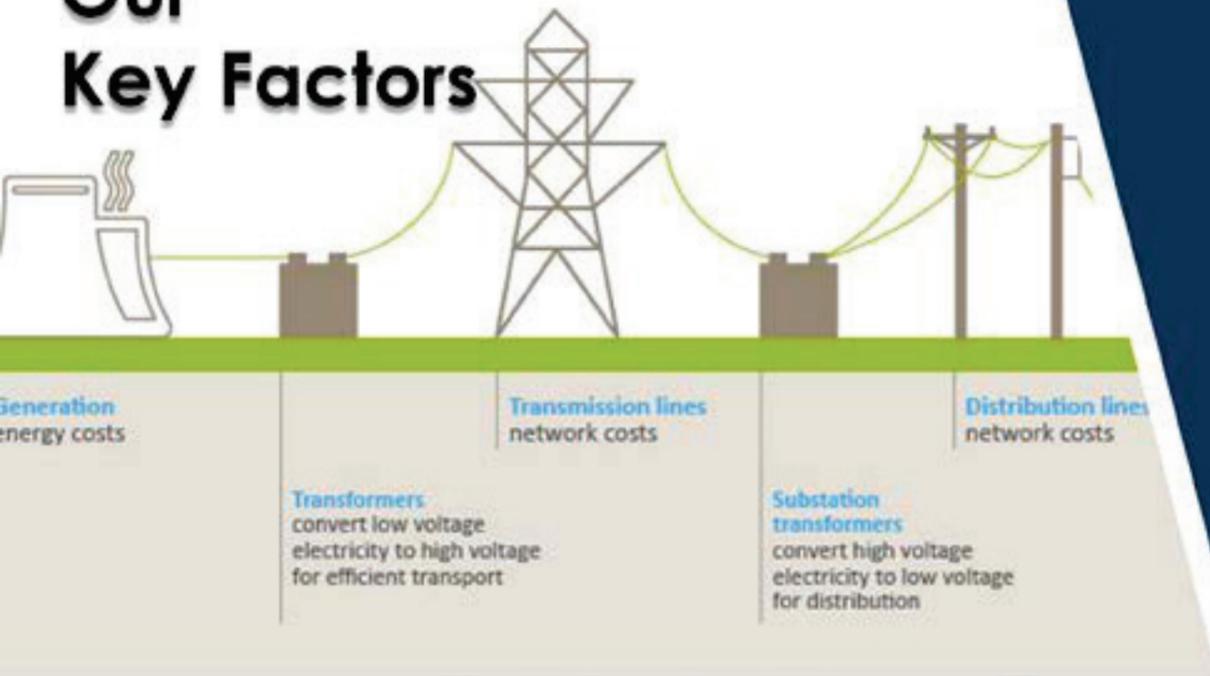
We believe and work for 100% customer satisfaction



Project planning

- Understanding the client requirements in the term of engineering services.
- Required data collection with respect to proposed/ existing structure from client. Principle architect consultant and from site
- Electrical load calculation using various modern engineering techniques to optimize the load requirements.
- Finalizing the design approach and power distribution scheme with client principal architect and other consultants.
- Give the brief to the client regarding about all the futuristic concerning the requirements and latest electricity board norms and rules and regulations pertaining Energy conservation building coats (ECBC).Indian green building conical (IGBC) standards.

Our Key Factors



He also proposed and got approval for the usage of 1250 KVA transformers in the residential projects which are having the load above 2 MVA, by which developer can get marginal saving in his Capex.

He also proposed and installed bus ducting system along with the dual source metering in one of the very reputed and premium residential project in Pune for the first time along with all technical compliances desired by electricity board, which gives 15% saving in over all capital cost.

Mr. Abhijit Bidarkar was the first who approached MSEDCL for the residential franchisee scheme and succeed to get a franchisee approval for the prestigious residential projects when he was associated with one of the reputed builders in Pune.

Mrs. Sullbhaa Atul Nadkarnii Founder

She is founder of the organization Power Mech Engineers & Contractors. She holds experience of 17 years coming from family business as electrical consultant and contractor. Before establishing her own venture she hold many years of experience in Liaisoning work in various Government departments. She holds expertise work in various sectors like residential, commercial, process industries, manufacturing units, data centers, IT industries, malls, hotel, hospitality and wide range for premium residential town ship and office in india.



Mr. Abhijit Bidarkar Principle Consultant

He is a associate member. He holds of Bachelor of Electrical engineering and has also done master in business administration (SIBM Pune). Before establishing his own venture he had 13 years of experience in electrical power system design. HT and LT distribution scheme, control system designing in various sectors like residential, commercial, process industries, manufacturing units, data centers, IT industries, malls, hotel, hospitality and wide range for premium residential town ship and office spaces in India abroad.

He has off shore project experience in countries the United Kingdom (UK). United Arab Emirates (UAE).

Mr. Sachin Joshi
Principle Consultant

He is associate member. He holds degree B.E. Electrical Engineering. Before establishing his own venture he had 13 years of experience in electrical power system design. HY and LT distribution scheme, control system designing in various sectors like residential, commercial, process industries, manufacturing units, data centers, It industries, malls, hotels, hospitability and wide range for premium residential town ship and office space in India.



Mr. Siddhant Nadkarni
Mrs. Samruddhi Nadkarni

Are associated with all types of solar work and after sell services in solar projects with the experience of more then 3 years.



Tamil Nadu, Pune



Location - Pune



Liaisoning Projects

Continue projects working from many years

- Sterling and Wilson (Mumbai, Pune)
- Gcorp, Thane
- Capgemini delhi, mumbai, pune
- K Raheja, Mindspace Airoli, Malad BKC & Pune
- Peninsula Land and many more....

We have worked with major brands across India for D.G. set NOC.

1. Brookfield
2. RMZ Eco World
3. Nuclear Power Corporation Of India Limited
4. TCS, Mumbai and Pune
5. JSW, Ratnagiri
6. ITC Grand Maratha Hotel, Mumbai
7. Yashraj Film Studio
8. Godrej Properties
9. Wipro Pune
10. Cafe Coffee Day
11. Citi Bank, Nasik
12. Modern College
13. Cummins College
14. Dinanath Mangeshkar Hospital
15. HSBC Bank
16. Bank Of Maharashtra
17. IBM
18. Kumar Properties
19. K Raheja
20. McDonald's India Pvt. Ltd.
21. Lavasa Corporation, lake view city pune
22. ITC Global Solutions Ltd.
23. Capgemini Pvt. Ltd.
24. UBS Business Solutions (India) Pvt. Ltd.
and Many More



Work undertaken for MPCB

- Lehman Brothers
- Sektas India
- Credit Suisse

Work done for HSD tank license from Explosive department, CCOE

- Syntel International, Pune
- Nuclear Power Corporation of India Ltd, Gujarat
- Capgemini Technology Services India Ltd, Mumbai & Pune
- IGate Global Solutions Ltd.
- Belaire Hotel, Pune (Novotel)
- G Corp, Mumbai
- Johnson & Johnsons, Mumbai
- Manjari Stud Farm, Pune (SP InfoCity)
- Stock Holding Clearing Corp, Mumbai

Work under MSEDCL

- TCS Mihan - 15 NVA
Nagpur
- Hotel Novotel - 2.5 NVA
Pune
- Siddhivinak Kohinoor venture
Pune
- Siddha construction
Pune
- Centerone by acropolis purple developers
Pune
- 9 hills
NIBM road, pune

We also undertake Solar energy work. For Solar work project we have our sister firm M/s. Solfuel. The work we carry is for all sectors which is residential, commercial and industrial. The solar work that we undertake is from installation, liaisoning to the after sale services i.e. AMC (Annual Maintenance Contract).

Services in

Solar Panel Shed



Rooftop Solar



Car Parking Shed



Campus on Solar



Street Light on Solar



Few of our Grid Tied SPV System

- Operating model – BOOT (BuildOwn- Operate-Transfer) / Investor Modelt
- NV Realty, Pune
Capacity: 210kWp
 - Karamtara, Palghar (Rooftop Solar Installation)
Capacity: 1MVA
 - Sadhana Nitro Chem Limited, Roha
(Rooftop Solar Installation)
Capacity: 1MVA
 - Jet Airways, Bandra (Open Access)
Capacity: 4MVA



Our Projects



**Nuclear Power Corporation Of India Limited
Kakrapar Atomic Power Project**
Vyara, Dis. Tapi (Gujrat), Rajasthan, Tamil nadu (upcoming)

SCOPE :
Approval for HSD tank of 12 KL above ground
tank X 8 no From Explosive Dept.



**TCS (Tata Consultancy Services)
Nagpur, Mihan Project**

SCOPE :
Load sanctioning from MSEDCL Nagpur
15MVA and permission from PWD

**Hotel Novotel
Pune**

SCOPE :
Sanction load from MSEDCL for
2.5 MVA and Permission from PWD



**Capgemini India Pvt.Ltd.
Mumbai & Pune**

SCOPE :
Entire liaisoning work for MSEB, PWD, DIC,
explosive, MPCB etc.
Consulting for all permission from Govt. Dept.



**Force Motor
Pune and Tamil Nadu Mahadra City**
Solar Plant Licensing
500 KW and 750 KW

CLIENT APPRECIATION CERTIFICATE



CERTIFICATE

To Whom So Ever It May Concern

This is to certify that M/s Power Mech Engineers and Contractors, Pune has successfully provided the consultancy assistance for getting approval/NOC from Chief Explosive office Nagpur & Mumbai for Nuclear Power Corporation of India Limited (NPCIL), Kakrapar Atomic Power Project – 3&4, Kakrapar, Via - Vyara, Dist. – Surat, Gujrat.

The scope of services:

1. Liaisoning and consultancy with office of the Chief Controller of Explosive Nagpur and Mumbai CBD Belapur.
2. Drawing approval as per CCOE norms.
3. Liaisoning for obtaining final CCOE license along with safety certificates (Form 126 & 130).

The consulting assistance lead by Mrs. Sulbha Nadkarni, Pune and resulted in obtaining NOC from Chief Explosive office, Nagpur & Mumbai on time.

The M/s Power Mech Engineers and Contractors have been assigned the part CCOE approval of 8x12KL above ground HSD tanks by KOEL under DG package project of NPCIL.

Date: 20th July, 2022

Place: Khadki, Pune

For, Kirloskar Oil Engines limited


R. S. NAWALE
AGM Contracts (IPS)
SPP & Defence

Kirloskar Oil Engines Limited
A Kirloskar Group Company

Regd. Office: Laxmanrao Kirloskar Road,
Khadki, Pune, Maharashtra - 411 003 India.
Tel: +91 (20) 25810341, 66084000
Fax: +91 (20) 25813208, 25810209
Email: info@kirloskar.com | Website: www.koel.kirloskar.com
CIN: L29100PN2009PLC133351



CERTIFICATE

To Whom So Ever It May Concern

This is to certify that M/s Power Mech Engineers and Contractors, Pune has successfully provided the consultancy assistance for getting approval/NOC from Chief Explosive office, Faridabad, Noida (Central Govt.) for Nuclear Power Corporation of India Limited (NPCIL), Rajasthan Atomic Power Project – 7&8, Rawatbhata, Dist. – Chittorgarh, Rajasthan.

The scope of services:

1. Liaisoning and consultancy with office of the Chief Controller Explosive Nagpur and Mumbai CBD Belapur.
2. Drawing approval as per CCOE norms.
3. Liaisoning for obtaining final CCOE license along with safety certificates (Form 126 & 130).

The consulting assistance lead by Mrs. Sulbha Nadkarni, Pune and resulted in obtaining NOC from Chief Explosive office, Nagpur & Mumbai on time.

The M/s Power Mech Engineers and Contractors have been assigned the part CCOE approval of 8x12KL above ground HSD tanks by KOEL under DG package project of NPCIL.

Date: 20th July, 2022

Place: Khadki, Pune

For, Kirloskar Oil Engines limited


R. S. NAWALE
AGM Contracts (IPS)
SPP & Defence

Kirloskar Oil Engines Limited
A Kirloskar Group Company

Regd. Office: Laxmanrao Kirloskar Road,
Khadki, Pune, Maharashtra - 411 003 India.
Tel: +91 (20) 25810341, 66084000
Fax: +91 (20) 25813208, 25810209
Email: info@kirloskar.com | Website: www.koel.kirloskar.com
CIN: L29100PN2009PLC133351



Fuji Technical Services Pvt. Ltd

507, 5th Floor, Ellora Fiesta, Opp. Juinagar Railway Station, Plot No. 8,
Sector-11, Sanpada, Navi Mumbai-400705, Maharashtra, Tel: 022-27758001,
E-mail: fuji@fujitech.net, Web: www.fujitech.net
CIN No. U74140MH1989PTC051856



Ref: FTS/GEN/JNR/118/22-23

Date: 20.07.2022

COMPLETION CERTIFICATE

This is to certify that M/s. Universal Engineering & Consultancy, Pune has successfully provided the consultancy assistance for getting approval/NOC Chief Explosive office, Faridabad, Noida (Central Govt.) for Nuclear Power Corporation of India, Rajasthan Atomic Power Project – **Unit-07**, State Rajasthan, Survey NO. RG-25, RAPP 7 & 8.

The scope of services:

Liaisoning and consultancy with Explosive Dept. Faridabad, Noida (Central Govt.)

Preparation of the drawing as per CCOE norms and getting it approved.

Provided 126 & 130 safety certificates for granting of final license from CCOE.

The consulting assistance was led by Mrs. Sulbha Nadkarni, Pune and resulted in obtaining NOC from Chief Explosive office, Faridabad, Noida (Central Govt.) on time.

For Fuji Technical Services Pvt Ltd.



Authorised Signatory

Branch: UnitNo.110,Edison Bldg. A,TESLA-Raheja District II,TTC Industrial-MIDC,Juinagar,Nav Mumbai-400705-Tel No:91-22-20870500
Works: UnitNo.009,Edison Bldg. A,TESLA-Raheja District II,TTC Industrial-MIDC,Juinagar,Nav Mumbai-400705-Tel No:91-22-20877001
Overseas Branch: P.B.No.42820,LOB 22G-08 &6G-17, Hamriyah Free Zone, Sharjah, U.A.E Tel:+971-6-5262170, Fax: +971-6-5262171,
E-mail:fujiaae@fujitech.net

Designing
Projects



Bajaj
Mohali

Bajaj
Ghaziabad

Bajaj Corporate office
Akurdi, pune

Bajaj Corporate office & training center
Delhi

Bajaj Auto human and resource dept office
Pune

Bajaj MD office and clubhouse
Pune



 +91 942 208 5493

 S. No. 113 Ramkrishna garden,
siddhadeep-4 dhayari, Pune- 411041

 sullbhaanadkarnii@power-mech.in

 www.solfuelindia.com