

LALIT SINGH CHAUHAN

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JOB OBJECTIVE

In quest of entry level assignments in Project Management, Design Engineering, Research & Development, Techno-Commercial Operations with an organization of high repute.

Location Preference: Delhi / NCR

PROFILE SUMMARY

- B.TECH (Power Engineering, Electrical specialisation) from N.P.T.I. BADARPUR.
- Focus and goal driven with strong work ethics, continuously striving for improvements coupled with commitment to offer quality work
- Adaptable and quick learner with the skills to work under pressure.

ORGANISATIONAL EXPERIENCE

Since Dec'17 to Present: **Jakson Engineers Ltd.**
(As Solar design engineering division)

Job Description:

- Connection of Solar PV Modules, PV cell selection and sizing.
- Inverter selection and sizing (Grid connected), Solar Power plant Balance of system.
- Matching Array & inverter sizing.
- SCB/AJB selection and sizing.
- Solar power plant system protection.
- Shadow Analysis of Solar PV Plant (Roof top).
- Experience with PV SYST, Google Sketch up, Auto CADD, Meteonorm and Skelion.
- Plan layouts of solar systems up to MW capacity.
- Assessment and evaluation of technologies for module support structure: Fixed, roof top and ground mounted.
- Over plant SCB position and grouping layout.
- Block wise SCB position and grouping layout.
- Overall DC cable routing layout.
- Overall earthing layout of solar power plant.
- Overall lightning protection calculation/layout of solar power plant.
- DC cable schedule block wise from SCB to inverter.
- DC cable schedule block wise from Module to SCB.
- AC/DC ohmic loss calculation (as per cable schedule)
- Preparing As built drawings.
- Overall DC single line diagram.
- Preparation of electrical BOQ and costing.

PROJECTS (ROOFTOP)

- 20 KW solar power plant at Amar Jyoti Trust Karkarduma, Delhi.
- 350 KW solar power plant at JIIU College University, Maharashtra.
- 150 KW solar power plant at Jalana Mission hospital, Maharashtra.
- 450KW solar power plant at VP college, Baramati, Maharashtra.
- 300 KW solar power plant at NC College of engineering, Israna Panipat.
- 500 KW solar power plant at NC College of engineering, Israna Panipat.
- 200 KW solar power plant at Rama University, Kanpur
- 400 KW solar power plant at Rama University, Hapur
- 750 KW solar power plant at Mujjafar Nagar Medical College, UP.
- 100 KW solar power plant at Oreintal University, Bhopal
- 100 KW solar power plant at CL Gupta eye Insitute, Moradabad
- 100 KW solar power plant at MIT Moradabad, UP.

- 1MW Tin shed solar power plant at CL Gupta eye institute, Moradabad.
- 700KW Tin shed solar power plant at GEMSCAB Industries Ltd, Rajasthan.

Since Mar'17 to Dec'17: Ganges International Pvt. Ltd.
(As Solar design engineering division)

Job Description:

- Connection of Solar PV Modules, PV cell selection and sizing.
- Inverter selection and sizing (Grid connected), Solar Power plant Balance of system.
- Matching Array & inverter sizing.
- SCB/AJB selection and sizing.
- Solar power plant system protection.
- Shadow Analysis of Solar PV Plant (Roof top).
- Experience with PV SYST, Google Sketch up, Auto CADD and Skelion.
- Plan layouts of solar systems up to MW capacity.
- Assessment and evaluation of technologies for module support structure: Fixed, roof top and ground mounted.
- Over plant SCB position and grouping layout.
- Block wise SCB position and grouping layout.
- Overall DC cable routing layout.
- Overall earthing layout of solar power plant.
- Overall lightning protection calculation/layout of solar power plant.
- DC cable schedule block wise from SCB to inverter.
- DC cable schedule block wise from Module to SCB.
- AC/DC ohmic loss calculation (as per cable schedule)
- Overall DC single line diagram.
- Preparation of electrical BOQ and costing.

PROJECTS (ROOFTOP)

- Detailed design and engineering of 2 MW solar power plant at BOKARO Steel city (Lanco Solar).
- Detailed design and engineering of 200KW solar power plant at Gurgaon (MYSUN).
- Detailed design and engineering of 500KW solar power plant at Pondicherry (Ganges Manufacturing unit).
- Detailed design and engineering of 2KW solar power plant at Ganges office building.

Since July'13 to Sept 08, 2015: WELSPUN ENERGY PVT. LTD.
(As GET in engineering division)

Job Description: Engineering & EHS division.

Engineering division:

- Connection of Solar PV Modules, PV cell selection and sizing.
- Inverter selection and sizing (Grid connected & Off Grid), Solar Power plant Balance of system.
- Matching Array & inverter sizing.
- Solar power plant system protection.
- Shadow Analysis of Solar PV Plant (Roof top & MW scale plant).
- Experience with PV SYST, Google Sketch up, Auto CADD and Skelion.
- Plan layouts of solar systems upto MW capacity.
- Assessment and evaluation of technologies for module support structure: Fixed, roof top and ground mounted.
- Cable sizing and selection of single phase and three phase, Load detail calculation, cable and cable tray selection based on current rating, voltage drop calculation of cable.
- Selection, Sizing & Protection of Building and Allied structure against lightning.
- Earthing design and calculation of power plant.

EHS Division:

- Looking after/handling all the site safety coordination work.
- Conduct regular tool box talk at different sites
- Implementation of EHS obligations as per lenders requirement.
- Visiting State Government Pollution Control Board officials for CTE/CTO permissions.

- Record keeping of EHS formats and updating them at regular intervals.
- Accident incident reporting at sites.
- Fire fighting equipment Mock drill/training at site.
- Inspection of all the obligation of different contractor as per contractor manual.
- Conducting personal protective equipment training at regular interval.
- Site survey of all the labour accommodation area.
- Conducting medical camp at regular intervals.
- Erection of Safety boards at site.

PROJECTS

- 36 MW, Mahagenco Maharashtra solar power plant.
- 17MW Chitradurga, Karnataka solar power plant.
- 50 MW Baap, Rajasthan solar power plant.
- 105 MW Neemuch, Madhya Pradesh solar power plant.
- 25 MW Padalia, Madhya Pradesh solar power plant.
- 100 MW Panchpatti, Tamil Nadu solar power plant.

EDUCATION

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| 2013 | B.TECH. in Power Engineering (Electrical) from National Power Training Institute, Badarpur, Delhi, Guru Gobind Singh Indraprastha University with 73.00% |
| 2009 | 3 Years Diploma in Electrical Engineering from PUSA Polytechnic with 69.13%. |
| 2005 | 12 th from Kendriya Vidhyalaya Janakpuri School, Delhi, C.B.S.E. Board with 61%. |
| 2003 | 10 th from Kendriya Vidhyalaya Janakpuri School, Delhi, C.B.S.E. Board with 68%. |

IT SKILLS

- Well versed with:



INDUSTRIAL TRAININGS

Completed 6 weeks trainings in:

- Northern Region Load Dispatch Centre (NRLDC), Power Grid, Delhi.
- Faridabad Gas Power Plant.

Rotation on Job Trainings:

- Scheme Tracing at NTPC Badarpur, Delhi on 210 MW LMW Unit.
- Rotation On Job Training (Operation & Control and Maintenance) of 210 MW LMW Unit at NTPC, Badarpur, Delhi
- Simulator Training in STEAG, Noida on the Replica of 600 MW Dongfan Unit.

PERSONAL DETAILS

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| Name: | Lalit Singh Chauhan |
| Father's Name: | Sh. Baljit Singh |
| Date of Birth: | 06 th July, 1988 |
| Address: | RZ-113B/298 Street No. 1, Gitanjali Park, West Sagarpur, New Delhi - 110046 |
| Languages Known: | English, Hindi |
| Nationality: | Indian |

Date:

Place: New Delhi

LALIT KUMAR SINGH