

ANURAG BHAKAT

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[Linkedin Profile](#)

B.Tech (Electrical Engineering)

Design, Engineering, Analysis, Quantity estimation

Industry Preference: Power/Construction, EPC

PROFILE SUMMARY

- Involved in projects as lead design engineer, managing MDL & keeping track of timely submission of deliverables.
- Electrical Design professional with experience in system design, detail engineering, equipment specifications, technical offer and vendor drawing review, construction drawing preparation.
- Involved in detailed engineering for execution of the project in post-sales and providing assistance to a team of engineers & draftsman in preparing drawings & documents.
- Involved in pre-sales activities, preparation of techno commercial offer, technical BOQ, Estimation of solar plant capacity & generation.
- Analysis of all the risk involved in the project in pre-sales stage.
- Computer literate with good knowledge of MS-office & AutoCAD.
- Knowledge of simulation tools such as PVsyst, CGLux/Equivalent software's.
- Familiar in PV plant energy assessment PVsyst and shading scene simulation.

PROFESSIONAL EXPERIENCE

Vikram Solar ***Engineer-System Design***

June 2016 - Till Date

- Review/Prepare PV plant related Array layout, Cable routing layout ,Earthing layout etc.
- Knowledge on preparation of BOM, RFP & RFQ
- Preparation of technical specifications and technical comparison sheet.
- Sizing/selection of PV module, Module mix, SCB, Transformer, Inverter, MV/LV switchgear/C RP Panel, Cable, UPS, Battery/Battery charger etc.
- Calculation of Cable sizing, system Fault current, Power loss, Earthing, Lightning protection system, Lighting/Illumination system.
- Design & Drafting of Equipment layouts, SLD/Schemes, General Arrangements (GA) of Indoor/Outdoor Substations/Switchyard drawings.
- Review & Approval of Manufacturers / Vendor Techno-Commercial Offers, Drawings & Documentations related to the products and services.
- Review of tender specifications and preparation of technical BOQ.
- Estimation of solar plant capacity & generation.

- Design Calculation- AC & DC Earthing, Indoor & Outdoor Lighting, DSLP, Short-circuit calculation and Relay Coordination in accordance with relevant standards.
- Sizing Calculation-Cable, Battery and UPS.
- Designing auxiliary power distribution network.
- Preparation of Shadow Analysis Report for each obstructing structure in plant.
- Preparation of DC, LT, HT Cable Schedule.
- Preparation of construction drawings: Array Layout, Equipment Layout, Trench Layout, Earthing Layout, Lighting Layout, AC, DC, Aux. power single line diagram.
- Preparation of specifications and checking of vendor equipment drawings.
- Preparation and release of purchase requisition.
- Assessment of vendor offers and preparation of technical bid revaluation report.
- Coordination with client/consultant/site team for approval and proper execution.
- Managing "As Built" drawings & documentation of executed project for submitting to client for handover purpose.

PROJECTS EXECUTED

- *100MW SPVPP at Mahbubnagar in Telangana for M/s Renew Power.*
- *25MW SPVPP at Ippatpuri in Telangana for M/s First Solar.*
- *2X10 MW SPVPP at GCF & VFJ, Jabalpur, in Madhya Pradesh for M/s BEL*
- *2x10MW SPVPP at Davangere, in Karnataka for M/s Jindal.*
- *1x20MW SPVPP at Gundlupet, in Karnataka for M/s Hero Future Energy.*
- *1x10 MW SPVPP at Hazira's Premises, in Gujarat for M/s ONGC.*
- *1X10 MW SPVPP at Ordnance Factory Itarsi, in Madhya Pradesh for M/s BEL.*
- *8MW SPVPP at Tirupati in Andhra Pradesh for M/s TTD.*
- *5 MW SPVPP at Ankleshwar, in Gujarat for M/s ONGC.*

HIGHLIGHTS

- *Received certificate of appreciation for outstanding performance and significant contribution to the Design & Engineering Team at Mahindra Susten.*
- *Received certificate of appreciation for best performance within Design & Engineering Team at Vikram Solar.*

EDUCATION QUALIFICATION

Examination	Institute/Board	Passed on	CGPA/Percentage
B.Tech 4 rd Year	Meghnad Saha Institute of Technology, WBUT	2014	8.38
B.Tech 3 rd Year	Meghnad Saha Institute of Technology, WBUT	2013	8.30
B.Tech 2 nd Year	Meghnad Saha Institute of Technology, WBUT	2012	7.91
B.Tech 1 st Year	Meghnad Saha Institute of Technology, WBUT	2011	7.69
ISC (XII th Exam)	Council for the Indian School Certificate Examinations	2009	81.75 %
ICSE (X th Exam)	Council for the Indian School Certificate Examinations	2007	75.80%

DGPA - 8.12 in Electrical Engineering

TECHNICAL SKILLS

Simulator & Software Known

Other Tools

Operating Systems

- AutoCad, PVsyst, CG-Lux, MATLAB, PsPice
- Microsoft Office (Word,Powerpoint,Excel,Outlook)
- Windows XP/7/8/10

ACHIEVEMENTS

Worked on different control strategies & protection scheme used on microgrid in a paper "**Microgrid: a review**", which was published in IEEE international conference, 2013.

PROJECT

"A Distributed Short Term Load Forecasting Technique For Microgrid"

In this project we have proposed a distributed short term load forecasting system. The proposed system if implemented in a central load forecasting station will be able to predict the average, total as well as load of each consumer in the micro-grid. We have implemented the aforesaid system with simple artificial neural network architecture and fuzzy logic.

TRAINING

- Industrial Training on Power System Protection by Ohm Encon Pvt. Ltd. for a period of 3 days.
- Vocational Training at Mejia Thermal Power Station, Damodar Valley Corporation (MTPS,DVC), for a period of 3 weeks in Electrical Dept.
- Vocational Training at Indian Railway, Sealdah Division, for a period of 12 days in 3 different section of Electrical Dept.

PERSONAL PROFILE

Name	Anurag Bhakat
Father's Name	Ajit Kumar Bhakat
Gender	Male
Nationality	Indian
Marital Status	Single
Hobbies	Reading, Painting, Photography, Listening to music
Language Known	Bengali, English, Hindi.
Date of Birth	14.08.1990

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Anurag Bhakat