

CURRICULUM VITAE

DEBOJYOTI SEN

39B IBRAHIMPUR ROAD, JADAVPUR
KOLKATA 700032



CONTACT INFORMATION-

- **MOBILE:** 09717088074/08902550652
- **E-MAIL ID:** debojyotisen89@gmail.com/ solar@ganapatiproductions.com

WORK EXPERIENCE-

A total of 14 years , 2.5 year in academics and 12 years in the field of Renewable energy with a experience of nearly **450MW Solar System Design, installation & Commissioning, Operation & Mainatiance.**

A research professional in the renewable development sector, interested in working on issues of concern to environment and society. **Chartered Engineer (Electrical) with Membership no M-1750822 from Govt of India.**

Associated as Executive Engineer in the first Floating solar project in India, GoWB and Executive Engineer in Rooftop Policy Framework for West Bengal and many other consultancy activities on Renewable Energy, policy framework and sustainability. Experience range from Solar Rooftop, ground mounted projects, Floating solar, Research, Policy framework formulation, Integration with grid, Cost Optimization, Rural electrification, Design & Simulation through Softwares, Financial analysis, Electric Charging stations etc.

SOLAR

1. Chief Execution Officer (CEO) & Director- Tender Bidding in Sauryajyoti Renewables Pvt Ltd (Renewable Division of Ganapati Group), Kolkata (Jan 2018 till Date) and Co-founder of M/S Ganapati Products, Kolkata (July 2016 till Date)

- Overall Execution & company operations, Technical Engineering & Designing, and Tendering bidding of the company
- We have completed and ongoing project experience of total 41 MWp cumulative Rooftop Solar plant, 362 MWp Ground mounted solar power plant, 3MWp Rural Electrification Projects, 106 Solar street lights, 250 Solar Pumps, 3013 Home Lighting Systems, 3000 smart LED Street Lights, 180 Nos Solar Water Heater and Liaising work experience of 155MWp in solar and Wind. We are also currently working on O&M for various systems (both kWp & MWp level) cumulative nearly 43MWp on Pan India Basis.

2. Working as Head-Projects, Purchase and O&M in Leverage Energy Pvt Ltd, A company under Leverage Capital International (June 2017 to December 2017)

- Project Execution- Maintaining complete team of site survey, Design, Purchase and Execution.
- Preparation of BOM/BOQ along with Design for rooftop projects of cumulative capacity (45MWp) and timely execution
- Preparation of project Schedule, project planning
- Selection of vendors, negotiate with them finalization of the project price.
- Managing the team of costing, designing, procurement, Installation & Service.

3. Worked as a freelancer in JS Empower as Lead Trainer and Business Developer (January 2015-till June 2017)

- Business Development - Developing the new market & managing the Marketing Team as well as Team of Dealers & Agents spread throughout India.
- Co-ordinating with them & supporting them in all means to achieve their targets.
- Co-ordinating with production, procurement & dispatch department for scheduled dispatch.
- Generate new enquiries of Government & private sectors.
- In search of new solar tenders of Central and State Govt, supporting in preparation of tender documents & participate in that.
- Preparation of BOM/BOQ along with Design for rooftop projects of cumulative capacity (5MWp) and timely execution

4. Worked in NB Institute of Rural Technology (NBIRT), Kolkata as a Project Executive (June 2014 to December,2014).

- Solar Technician Training of MNRE (SuryaMitra Training)
- Preparation of Policy Guidelines for Grid- connected Rooftop Solar Scheme for Kolkata
- Preparation of Detailed Project Report for Setting up of Grid interactive Solar Power Project in West Kallada Grama Panchayat in Kollam District –Kerala.
- Study on Renewable Energy Landscape in the state of Odisha, India
- **Principal Designer and executive engineer of Floating solar Power plant (10kWp) in India**

5. Worked in Ashden India Renewable Energy Collective, New Delhi as a Research Associate (February 2014 to December,2014).

- Detailed Project Report of a 20MW wind farm to be installed in Ahmedabad Gujarat INDIA
- Net Zero Energy Office Building at NIT Jaipur.
- Financial viability and Feasibility analysis of 1MW off grid solar pv plant at NIT Jaipur

- Energy Efficiency Project- A comparative study on replacement of existing Sodium Vapour street lights with LED Lamps using DIALux- NIT Jaipur
 - Preparation of project Document & CEO endorsement Form on Scale Up of Access to Clean Energy for Rural Productive and Domestic use
6. Worked in TERI (The energy resource Institute, New Delhi) as an intern under Debajit Palit, Associate Director, LABL, TERI for 8 months (June 2013 to January 2014).
- DPR of rural electrification in Dhenkanal district of Odhisha
 - Sustainable service model of rural electrification in India

CONSULTANCY ACTIVITIES

SL NO	NAME OF THE ORGANISATION	TITLE OF ASSIGNMENT	DURATION
1	HPCL Green & Renewable Energy	Preparation of Tender Documents for the Selection of an EPC Contractor for the development of the Solar + Battery Energy Storage System (BESS) Project at DAV-HRRL School	NOV 25
2	HPCL Green & Renewable Energy	Site Survey, Feasibility Analysis, DPR Report and Tender Preparation for Solar Rooftop Plant at HPCL R&D centre- Bangalore	NOV 25
3	HPCL Green & Renewable Energy	Feasibility Analysis, Detailed Engineering, Design & PMC of 70MWp Rooftop/Ground Mounted solar power plant at HRRL Rajasthan Refinery	OCT 2025
4	HPCL Green & Renewable Energy	Feasibility Analysis, Detailed Engineering, Design & PMC of 1MWp Rooftop/Ground Mounted solar power plant at HPCL CBG Plant, Badaun, UP	SEPT 2025
5	HPCL Green & Renewable Energy	Feasibility Analysis, Detailed Engineering, Design & PMC of 60kWp Hybrid (solar+wind) Rooftop power plant at HPTI Pune	AUG 2025
6	HPCL Green & Renewable Energy	Feasibility Analysis, Detailed Engineering, Design & PMC of 1MWp Rooftop/Ground Mounted solar power plant at 8 HPCL Terminal Locations	JUNE 2025
7	Prabhat Renewables & Agro Pvt Ltd	Feasibility Analysis, Detailed Engineering, Design & PMC of 400kWp Rooftop/Ground Mounted solar power plant at Metro Cash & Carry Borevali, Mumbai	NOV 2022
8	NBIRT, Kolkata and MNRE, New Delhi	Floating solar Power plant in India – The first pilot project in India	JAN, 2015
9	AIREC, UK and BRITISH DEPUTY HIGH COMMISSION, Kolkata	Rooftop solar policy in Kolkata	DEC, 2014

10	NBIRT,Kolkata and AEDA, Assam	Renewable energy potential and opportunity in North Eastern states of India	DEC,2014
11	AIREC, UK and SHAKTI FOUNDATION,New Delhi	Sustainable Energy and rural energy access	NOV, 2014
12	NBIRT,Kolkata	Solar Jacket	OCT, 2014
13	AIREC, UK	Facilitating the development of a policy and regulatory framework for upscaling of off-grid renewables in India:	SEPT, 2014
14	AIREC,UK and GIZ, New Delhi	Development of clean cooking energy	AUG, 2014
15	AIREC,UK and UNDP	Access to Clean Energy for Rural Productive and Domestic use:	AUG, 2014
16	AIREC, UK	Study on Renewable Energy Landscape in the state of Odisha, India	JULY,2014
17	TERI RETREAT, Gurgaon	Protection Issue on Hybrid Grid Systems	MAY, 2014
18	TERI,New Delhi	Implementation, monitoring of micro grids in Dhenkenal, Orissa and preparation of DPR	MARCH, 2014
19	TERI,New Delhi and UNEP	Sustainable development pathways for South Asia(OASYS)	SEPT,2013

NON- SOLAR

1. Worked as an Assistant Professor in SRM University, NCR campus, Ghaziabad in Electrical and Electronics Department.(June 2016 - June 2017)
2. Worked as an Assistant Professor in IMS College of Engineering, Ghaziabad in Electrical and Electronics Department.(January 2015 to June 2016)
3. Worked in WIPRO LTD for 10 months as a Technical Executive (August 2011 to April 2012)
4. Worked as freelancer in education portals like Futor.com, Path2succcess, Byjus as content developer and back end support.

EDUCATIONAL/ACADEMIC QUALIFICATION-

- Pursuing PhD from IIT Dhanbad (Formerly ISM Dhanbad) (Course work completed)

Topic: " Cost Optimization control technique for smart grid sources " under the guidance of Dr Kalyan Chatterjee, Associate Prof, ISM ,Dhanbad

- Completed M.Tech in Renewable Energy from Malaviya National Institute of Technology, Jaipur with DGPA 8.53 in 2014

Topic: "Sustainable Service Model For Rural Electrification in India" under the guidance of Dr Urmila Brighu, Associate Prof, MNIT, Jaipur and Dr Debajit Palit, Associate Director, TERI, New Delhi

- Completed B.Tech in Electrical Engineering from West Bengal University Of Technology with DGPA 8.34 in 2011

Topic: "Economic Solar Power System" under the guidance of Dr Ashutosh Chatterjee, Principal, DIT, WBUT.

- Completed schooling

<u>NAME OF EXAMINATION</u>	<u>NAME OF SCHOOL</u>	<u>BOARD</u>	<u>YEAR OF PASSING</u>	<u>MARKS OBTAINED (%)</u>
HSE	TIRTHAPATI INSTITUTION	W.B.C.H.S. E	2007	81%
SE	A.K. GHOSH MEMORIAL	W.B.S.E	2005	82.4%

- Certified in AUTOCAD(2D/3D) from NIST(National institute of Software Technology)

PROFESSIONAL MEMBERSHIP/ACHIEVEMENT

1. Executive Engineer in First Floating solar Project in India, GoWB and Executive Engineer in the Rooftop Policy of West Bengal, GoWB
2. Reviewer/ Member , Frontiers of Energy, Springer Journal no 11708
3. Editorial Board Member, International Journal of Engineering Trends and Technology (IJETT)
4. Editorial Board Member, Global Research Development Journal of Engineering (GRDJE)
5. Editorial Member, National Conference on Renewable Energy and Environment (NCREE 2015), May, 2015, IMSEC Ghaziabad
6. Published 23 papers on Renewable Energy in International reputed Journals
7. Member, EDAS

PERSONAL DETAILS-

- **DATE OF BIRTH:** 20th February 1989
- **PLACE OF BIRTH:** Kolkata
- **NATIONALITY:** Indian
- **GENDER:** Male
- **LANGUAGES KNOWN:** English, Hindi, Bengali
- **HOBBIES:** Sports, Blog writing, Listening to music
- **STRENGTH:** Self motivation, confidence, high grasping power, work alcoholic

REFERENCE-

- Will be furnished when asked for

DECLARATION-

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

DATE:

PLACE:

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(DEBOJYOTI SEN)

CONFERENCE/JOURNAL PAPERS PUBLISHED:

SL NO	PAPER NAME	CONFERENCE/JOURNAL NAME
1	Performance Analysis of Self Excited Induction Generator (SEIG) With ELC For A Wind Energy System	IEEE- International Conference on Telecommunication, Power Analysis and Computing Techniques (ICTPACT), April 2017
2	Design and Implementation of Hybrid Bike	International Journal For Scientific Research and Development(IJSRD),Vol 5, Issue 1, March 2017
3	Designing of an economically configured solar power illumination system for scarcely electrified areas	IEEE-SIGNAL PROCESSING, COMMUNICATION , POWER AND EMBEDDED SYSTEMS(SCOPES) 2016, CUTM, ODHISHA
4	A review on the Cost Optimization control techniques for smart grid sources	INTERNATION JOURNAL OF RESEARCH(VIJR), Volume 7,Issue 2, Dec 2016
5	Three Phase Transformer Modelling For Distribution System	INTERNATION JOURNAL OF RESEARCH(VIJR), Volume 7,Issue 1, June 2016
6	Solar Jacket- an innovation against energy crisis	International Conference on 'Emerging Technologies in Science, Engineering & Management (ICETSEM-2016)
7	ROBOCULAR-the innovative electronic commando robot	INTERNATIONAL JOURNAL OF SCIENCE, ENGINEERING AND TECHNOLOGY RESEARCH, Volume 5, Issue 3,March 2016
8	Automatic Road Energy Saver	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH(IJOER), Volume 4, Issue 2, March 2016
9	PLC application for speed control of induction motors through-VFD	GLOBAL JOURNAL OF ADVANCED ENGINEERING TECHNOLOGIES(GJAET), Volume 5,Issue 1, February 2016
10	Biomass energy- the alternate energy	INTERNATIONAL ADVANCED RESEARCH JOURNAL IN SCIENCE, ENGINEERING AND TECHNOLOGY(IARJSET), Volume 2, Special Issue 1, May 2015
11	Design parameters of 10KW floating solar plant	IARJSET, Volume 2, Special Issue 1, May 2015
12	Geothermal-a exposure to the renewable sources	IARJSET, Volume 2, Special Issue 1, May 2015

13	Policy brief on Off grid energy access systems	IARJSET, Volume 2, Special Issue 1, May 2015
14	Power generation using peizo-electric materials	IARJSET, Volume 2, Special Issue 1, May 2015
15	Solar DC microgrid for rural electrification-a case study	IARJSET, Volume 2, Special Issue 1, May 2015
16	Status of Wind Energy in Bhopal Airport India	IARJSET, Volume 2, Special Issue 1, May 2015
17	Techno-economic analysis of various technology options for rural cold storage in India	IARJSET, Volume 2, Special Issue 1, May 2015
18	Wireless Power using Magnetic Conductor	IARJSET, Volume 2, Special Issue 1, May 2015
19	Design of Solar Power Inverter	IARJSET, Volume 2, Special Issue 1, May 2015
20	Simulation of Net Zero Energy Office Building in Kolkata, West Bengal, India	IARJSET, Volume 2, Special Issue 1, May 2015
21	The challenges of protection for Microgrid	IARJSET, Volume 2, Special Issue 1, May 2015
22	Wireless Power Transmission- A Novel Concept	IARJSET, Volume 2, Special Issue 1, May 2015
23	Jatropha Curcas: a renewable bio-diesel plant	IARJSET, Volume 2, Special Issue 1, May 2015

TRAINING/WORKSHOPS/CONFERENCES:

SLNO	ACTIVITY	ORGANISED BY	NAME OF THE TOPIC	DURATION
1	INTERNATIONAL CONFERENCE	KNMIET Ghaziabad	International Conference on 'Emerging Technologies in Science, Engineering & Management (ICETSEM-2016)	APRIL, 2016
2	WORKSHOP	ABB and IMSEC Ghaziabad	PLC automation technology	MARCH, 2016
3	WORKSHOP	KIET Ghaziabad and SKILLREX	Humanoid robot and Firebird	FEB, 2016
4	NATIONAL CONFERENCE	IMSEC Ghaziabad	National Conference on Renewable Energy and Environment (NCREE 2015)	MAY, 2015
5	NATIONAL CONFERENCE	BRITISH DEPUTY HIGH COMMISSION Kolkata	Solar Rooftop Policy	DEC, 2014
6	CAPACITY BUILDING	NBIRT, Kolkata	Installation and maintenance of Solar Photovoltaic systems for Technicians	AUG, 2014
7	NATIONAL CONFERENCE	AIREC	Sustainable Energy for Rural Development	JULY, 2014
8	NATIONAL CONFERENCE	ASSOCHAM	Solar Rajasthan- Tapping the Untapped	MARCH, 2014
9	WORKSHOP	Indian Building Performance Simulation Association (IBPSA)	Environmental Impact assessment	DEC, 2013
10	WORKSHOP	MNIT, Jaipur	Planning and implementation of solar pv plants	OCT, 2013