

RESUME

PUSHP RAI MISHRA

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Career Objective

To secure a challenging position where I can effectively contribute my skills as professional, possessing competent technical skills best of my knowledge and my enthusiasm.

Education Qualification

- 2020 Passed Post Graduate Diploma in Renewable Energy from TERI SAS University Delhi with 6.75 CGPI.
- 2014 Passed M. Tech.in Electrical Power System Engineering from Dr. C. V. Raman University Bilaspur Chhattisgarh with 77.37%.
- 2011 Passed B.E. in Electrical Engineering from Shri Shankaracharya College of Engineering and Technology, Chhattisgarh Swami vivekanad Technical University Bhilai C.G. with 71.65%.
- 2008 Passed Diploma in Electrical Engineering from B.R.P. Govt. Polytechnic Rudri Dhamtari, Chhattisgarh Swami vivekanad Technical University Bhilai C.G. with 77.78%.
- 2004 Passed Xth from Govt. Hr. Secondary School Haldibadi Chirimiri Chhattisgarh, CBSE with 72.40%.

Achievements

- One month training program on CHP, Switch gear & protection at **NTPC**, Bilaspur (C.G).
- One month training program on CHP, Switch gear & protection at **NTPC**, Korba(C.G).
- 15 Days training program on installation & maintenance of **5MWp** ground mounted solar (PV) power plant, at **Chhattisgarh State Renewable Energy Development Agency** Raipur (C.G.).
- 15 Days training program on AUTOCAD, ELECTRICAL CAD & PLC Programming at **M. S. M. E. Indo German Tool Room** Aurangabad (Maharashtra).
- Training of trainer's program for Solar PV Installer (Suryamitra, Electrical and Civil) and for domain skills and platform skills by **Skill Council for Green Jobs** and **National Skill Development Corporation** New Delhi.

- I did 6-month advanced solar professionals' course in **National Institute of Solar Energy Gurugram Haryana**, under this I have covered–
 - (i) Designing, installation, commissioning, and testing of **25 kWp** ground mounted SPV Power Plant.
 - (ii) O & M of **500 kWp** multi technology PowerPlant.
 - (iii) Installation of Solar Water pumping system.
 - (iv) Hands on practice to designing a SPV power plant by using PVsyst and PVsol Simulator.
 - (v) **1MWp** Solar Thermal Plant O & M.
 - (vi) Prepare of Project Profile of Solar Entrepreneurship/ Detailed Project Report.
- I have National Service Scheme “C” Certificate.

Work Experience

- **Working as a Senior Project Consultant (Solar Projects) in Earnest & Young (EY), since 9th August 2021.**
Assigned work – state coordinator for Uttar Pradesh, under MNRE phase – II scheme for rooftop solar power plant.
- **Worked as a Senior Engineer (Solar Projects) in MKSPL Group Raipur Chhattisgarh since 1st February 2021 to 4th August 2021.**
Assigned Work - Liaising, DPR preparation, site survey, between Chhattisgarh State Power Transmission/Distribution Company Limited / Chhattisgarh Renewable Energy Development Agency Raipur /MKSPL for upcoming Captive solar power plant in MKSPL Group under Chhattisgarh Renewable Energy Development Agency open access solar power plant scheme for 2017 to 2027 also working as a guest faculty in Pt.RSU Raipur C.G.
- **Worked as a Project Engineer (Solar), in Solar Energy Corporation of India Ltd. Delhi (On contract) since 1st October 2018 to 31st January 2021.**
Assigned work -
 - (i) Project execution (SPV installation), on megawatt scale ground mounted solar power plant - daily follow up for erection work of plant like mms/modules/inverter installation, wiring, earthing/grounding, testing of plant before hand over to owner.
 - (ii) SECI 97.5 MWp rooftop scheme – tendering process, verification of bidder wise / project wise uploaded technical documents in 97.5MWp SECI site, documents are like electricity bill for building, PPA, Building's roof picks, Single line diagram of site with capacity of RTSPV, shadow analysis documents, PVsyst generated data analysis/verification for plant/place and BOM for plant for issuing a sanction letter of RTSPV.
 - (iii) Making file of projects after submission of bidder's documents.
 - (iv) Preparation of bidder wise/state wise/project wise Excel sheet.
 - (v) 1000 MWp & 500 MWp MNRE & SECI rooftop Scheme for verification of submitted project completion report by bidders.
 - (vi) Summaries the project completion report for short fall documents like solar modules standards (IEC 61215, IEC61730, IEC61701, ammonia test etc.), inverter standards (IEC 61683, IEC 62116, IEC 62109-1/2, UL 1741, IP-56, IP-65/67) AC/DC cables, earthing /grounding, lightning material, structure's staad pro report of structure for wearing wind load capacity, net metering standard (0.2s/0.5s), CT/PT meter testing report, single line diagram of plant, shadow analysis report, Bill of materials, Capacity utilization factor of plant, Performance ratio of plant, NOC from the particular DISCOM, CEA/CEIG inspection report of installed plant, ACDB/DCDB report. Monthly/ Yearly Generation data analysis for installed solar power plant under 1000 & 500 MWp rooftop scheme for incentive.
 - (vii) Monthly/Yearly Generation data analysis, preparation of financial calculation files for bidder/project.
 - (viii) Comparing the plant wise yearly generation data for performance and incentives of solar power plants.

- (ix) Daily/weekly/monthly/yearly generation data analysis and maintenance of 1MWp rtspv plant for Andaman & Nicobar (Port Blair).
- (x) Site survey /visit for new plants (Rooftop solar), DPR preparation of visited site (ex – Lakshadweep Island, Getasuld Dam Ranchi Jharkhand (Floating Solar PV plant).
- (xi) Under DDUGJY scheme did inspection and testing of battery for different states.
- (xii) Preparation of test report of battery like - calculation of battery current, voltage, temperature on hourly basis for 10 hours before dispatch.
- **Worked as a Surveyor in D.D. Gas Light Agency Guru gram, Haryana since 29th January 2018 to 31st July 2018 for installation, liaising and commissioning of RTSPV plant.**
 - (i) Project execution roof top solar PV installation.
 - (ii) Site visit for new plants and preparation of project report for visited site.
 - (iii) Liaising between rooftop owner and DISCOM for feasibility inspection/NOC/testing/CEIG of plant.
- **Worked as a quality control engineer in S.R. Corporate consultant P. Ltd. Raipur Chhattisgarh, since 16th November 2016 to 19th January 2018.**

My work was -

- (i) Auditing and monitoring of installed and new project under Deen Dayal Uppadhaya Gram Jyoti Yojana in all over Chhattisgarh , under it I did test of voltage, current, earth resistance, string/array/ modules and their junction box, earth pit for particular plants, lighting arrester, shadow analysis, size of AC/DC cable according to plant size(2 kwp to 10 kwp), size of battery their capacity and life etc and preparing a report for visited plant for submission of report to Chhattisgarh State Renewable Energy Development Agency Raipur (CREDA).
- (ii) Household survey for different district/village/hamlet as per norms of CREDA under DDUGJY scheme for submission of report to CREDA - HO with their format.
- (iii) Installation, commissioning & maintenance of Megawatt scale ground mounted and roof top solar power plant in Chhattisgarh, Madhya Pradesh, and Odisha.
- (iv) Daily follow up for erection work of plant like mms /modules/inverter installation, wiring, earthing, testing of plant before hand over to owners.
- (v) Arrangement of labor on daily basis work.
- (vi) Liaising between rooftop owners and DISCOM for feasibility inspection/NOC/testing/CEIG of plant.
- (vii) Preparation of daily report for received/dispatched of material from store.
- (viii) Accommodation arrangement for our team at site/state.
- (ix) Teaching suryamitra for Solar PV Installer (Electrical and Civil).
- (x) Site visit for solar power plant and prepared DPR of visited site.
- **Worked as an assistant professor in AKS University Satna Madhya Pradesh, since 10th august 2015 to 12th November 2016.**
 - (i) Taught B.E./Diploma students.
- **Electrical Engineer under Class “A” Electrical contractor – worked in Chhattisgarh state power Distribution Corporation for rural electrification since 7th July 2014 to 31st July 2015.**
 - (i) Supervised installation of distribution pole and transformer.

Professional Skill

- MS Office application, Basic MATLAB, PLC Programming.
- PVsyst, PVsol, AUTO CAD, ECAD.

Other activities

- Part time Youtuber (Pushp Rai Mishra Solar Energy).
- Part Time Lecturer.
- Published two national/international paper based on power system.