#### CURRICULUM VITAE

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| **NEERAJ KUMAR AHLAWAT**  C:\Users\Administrator\Desktop\Neeraj Ahlawat pic for CV.jpg  Email:  neeraj.ahlawat1985@rediffmail.com  Address:  H.No.370, Sri-Ramnagar Colony, Rohtak, Haryana.  Telephone No.:  +91-9001020220   +91-9166145444   Personal Data: Date of Birth :24-02-1985  Gender : Male  Nationality : Indian  Marital Status : Married  Languages Known:       1.   English     2.   Hindi    Hobbies:   1. Listening music.  2. Playing cricket. | OBJECTIVE  Seeking a position in an organization which provides me the opportunity to utilize and enrich my analytical skills, capabilities in technical applications and commitment to perform quality work, thereby helping organization to grow along with my personal growth.  JOB PROFILE  **Since 1st April 2013 to till working in “Godawari Green Energy Limited” 50\*1 MW Solar Thermal Power Plant (Asia 1st Parabolic CSP technology Solar Thermal) as a Manager in E&I department.**  **Company Profile: -**  **Godawari Green Energy Limited (ISO 9001, 14001, 18001 certified) is a flagship company of the HIRA group in the renewable energy sector. The company was incorporated as a 100% subsidiary of the Godawari Power & Ispat Ltd in the year 2009. The company was formed with an objective to tackle the growing energy requirement of the country in an ecologically sustainable manner. GGEL’s focus area is power generation using renewable sources such as solar energy, geothermal energy, wind energy etc.**  **Work Profile: -**   * **Core user of ROCKWELL (Allen Bradlly) DCS control system.**  1. Logic updation in RSLogix 5000 (FBD, Ladder...). 2. Factory Talk Asset center configuration. 3. Factory Talk View SE Client configuration. 4. Updation in Factory Talk View Studio. 5. Micro Logix 1400 logic updation with RSLogix Micro. 6. Factory Talk Viewpoint configuration & updation. 7. FT Historian Site Edition Pro advance configuration & updation. 8. FT Vantage Point Pro Trend configuration & data retrieval etc. 9. Tag mapping in Factory Talk Administration Console. 10. Tag data extraction in excel add-on function like VentagePoint & PI data link. 11. PlantPAx library process object implementation as per plant requirement in Factory Talk View Studio. 12. MCC panel E-Net network configuration & troubleshooting. 13. Communication network trouble shooting.  * **Maintenance**  1. Responsible for preparation of complete plant instrument preventive maintenance schedule. 2. Planning for shutdown & spare availability of equipment. 3. Responsible for maintenance of equipments, 4. Installation & commissioning of DCS, PLC & SCADA systems. 5. Good understanding with P&ID, I&C design concept & Hook up drawing. 6. Performed I&C field commissioning. 7. Configuration & calibration of field equipment. 8. Knowledge on logic compatibility, such as like ladder, FBD logic & able to make change in logic as per requirement. 9. ISO documentation & record keeping.  * **Process line instrument installation, commissioning, calibration, configuration on distributed control system etc.**   (a) Calibration of equipment with FLUKE & BEAMAX make HART  (b) Ultrasonic/DPT based FT (Fleximen, Honeywell make)  (c) Level Transmitter (Vega waveguide type, Honeywell DPT type),  (d) Pressure Transmitter (Honeywell, Siemens),  (e) Temperature Transmitter (ABB, Moore USA, Boumer & Honeywell Head Mounted), (f) Vibration Transmitter (Shinkawa).   * **Preventive Maintenance of Valve**  1. Motorized Valve (Make: Rotork, Auma epac series). 2. Control Valve (Make: Flow Serve MD3200 & Star Pack series). 3. Smart Positioner (Make: ABB (ABB TZD series positioner). 4. Pneumatic Solenoid operated valve (Make: ASCO, Rotork make).  * **Ensuring operation of STG loop.**  1. Bentaly Nevada make vibration problem, proximity switch. 2. SIEMENS make control valve, Emergency stop valve. 3. ASCO make QCNRV. 4. Control oil system equipment calibration, PM, installation. 5. Lube oil system equipment calibration, PM, installation. 6. PRDS system equipment calibration, PM, installation.  * **Weather stations instrument equipment installation, commissioning, calibration.**   (a) Sun tracker (SOLYS2 model from KIPP&ZONEN)  (b) Inclinometer (Single axis based POSTAL FEBRA make ACS series)  (c) Solar radiation (GHI) measurement sun sensor (IMT Solar make)  (d) Geonica make weather station.  (e)Qualified coordinating agency FTP protocol communication established.   * **SAP end user, CDM coordinator, 5S certified internal auditor.** * Daily reporting to H.O through DPR and C.U.F (Capacity Utilization Factor) & P.R (Performance Ratio) Calculation of plant.   **Project Completed: -**   * CWP pump 2 no. SIEMENS make VFD commissioning & configuration on Rockwell control system. * Geonica weather station metrological data mapping on Rockwell control system via Micrologix 1400 PLC. * Steam line start up vent valve (motorized) commission & configuration on Rockwell control system. * HTF tank level transmitter commissioning & configuration on Rockwell control system. * HMBD enthalpy calculation done in RSLogix 5000 FBD routine & displayed with new display in FT View studio project. * Main steam bypass line motorized valve logic created in FBD & LADDER as per operation requirement. * HTF pump 3 nos. Toshiba make VFD commissioning & configuration on Rockwell control system.   PREVIOUS EXPERIENCE  **June 2011 to March 2013**   * **ACME SOLAR ENERGY PRIVATE LIMITED Bikaner, Rajasthan as C&I ENGINEER in O&M Dept. for 10 MW Solar Thermal Power Plant with Centre Receiver Tower Technology, Bikaner, Rajasthan.** * **15 MW Solar PV (Thin Film) Power Plant, Khambhat, Gujarat from 20 June 2011 to till.**   **Company Profile:**   * The ACME Group was founded in 2003.ACME Solar Energy Private Limited, the flagship company of ACME TELEPOWER LIMITED Group, is a leading provider of energy management solutions for telecom sector.The Company establishments channel partners & the associates are in more than 20 countries around the world. Solar Thermal Power Plant (CSP) first time launch in INDIA & installed in Bikaner, Rajasthan by ACME. That plant is Eco-Friendly (Not spreading any type of Pollution).   **Work Profile:**   * ***10 MW Solar Thermal (CSP) Tower Technology based power plant, Bikaner Rajasthan*** * ABB 800Xa DCS O&M as new instrument configuration, editing in graphics as per operation requirement, faulty finding & loop checking in DCS panel, back up of DCS program, report generation, ensuring communication between SPECTRA & DCS, PM of DCS. * SPECTRA HMI (Heliostats based Solar filed controlling server) O&M as new heliostats commission & configuration on server database, calibration of solar field with IP based calibration cameras, PM of SPECTRA server, scheduling of solar as per operation requirement, ensure the communication of SPECTRA server with solar field, FEC, cameras. * Solar filed O&M as fault finding in heliostats based solar filed, commission of new heliostats assembly & configuration on SPECTRA, DMB, DCB checking, communication with FEC. * All plant Instrument O&M as different transmitter like pressure, flow, level, and temperature configuration on DCS, testing, range setting & calibration of transmitters. * Control valves & Motorized valves O&M as like setting the range as per O&M requirement, configuration on DCS, loop checking, PM of valve, torque setting of motorized valve as per requirement, faulty electronics card checking & replacement of motorized valve, ensure communication of control valve & motorized valve with DCS, * Boiler & Turbine section sensing element O&M as like vibration sensor, pressure switch, RTD, thermocouple, tachometer, pressure gauge, temperature gauge, level indicator. * Utility section Instrument O&M as like chemical flow controller, DM water storage tank level indicator, temperature indicator, pH measurement, water conductivity measurement instrument.   ***15 MW PV Plant thin film technology & Sun tracker based PV module project.***  **Work profile: -**   * Erection of Sun tracking based PV module sun tracker project as SIEMENS SIMATIC S7-200 PLC communication with HMI, sun tracker communication with HMI, tracking limit setting in PLC, configuration of solar tracker on HMI, testing of the relay card, stepper motor & driver card testing, wind measurement instrument installation-commissioning – communication with PLC. * Preparation of Cable Schedule & Termination Schedule than Cable Lying & Termination. * Solar inverter communication with MPPT, solar inverter PLC parameter setting, HMI parameter setting as per solar PV module capacity. * ABB-PVS-800-57-0500kwh Central Solar Inverter O&M as Modbus communication, Cybrotech PLC programming, Optical switch configuration, Ethernet switch configuration, Optical to Ethernet converter configuration, IGBT card, ACDB, DCDB. * Solar filed O&M as Thin filed module checking, replacement ,working history sheet preparation, SMB card testing, CANBUS based communication with main control room SCADA, SRCB testing, replacement & configuration of SMB card, analyzing of plot wise solar field efficiency. * Plot wise solar filed control room O&M as PSU, CIU communication with main control SCADA server, CANBUS NAD repeater testing & configuration, PSU communication with solar filed SMB, solar inverter to PSU unit communication, maintaining daily checklist activity. * Weather station erection, installation, configuration of new metrological instrument as per requirement like GHI, DNI, wind. * ABB 800M SCADA O&M configuration of any new instrument on SCADA hardware, graphics editing as per requirement of operation, ensuring the communication network of SCADA with solar filed SMB, ABBPSV 300, weather station, alarm configuration. * Fire fighting system O&M as installation & configuration new smoke sensor on master controller of fire fighting system, parameter changing in master controller. * SAP end user as Plant maintenance module creation of Preventive, Maintenance order, scheduling of preventive order as like weakly or bimonthly, Production Planning module creation of Production order. * Over all supervision of Instrument parameters & SCADA during running of Plant. * Daily reporting to H.O through DPR and C.U.F (Capacity Utilization Factor) & P.R (Performance Ratio) Calculation of plant. * Analyze Solar cell with Solar Analyzer (Power, I-V Curve testing, String current. Etc).   **June 2006 to October 2008**  **PARLE PRODUCTS PRIVATE LIMITED Bangalore, Karnataka as a Maintenance Engineer in O&M department.**  **Company Profile:**   * **The PARLE Company was founded in 1929.PARLE Products Private Limited has been India's largest manufacturer of biscuits and confectionery for almost 80 years. Makers of the world's largest selling biscuit, Parle-G, and a host of other very popular brands.The Company establishments manufacturing unit in more than 20 countries around the world. PARLE is a HACCP, 5S, ISO certified company.**   **Work Profile:**   * Handling over all Shift activity of mixing section, oven section, packing section with team contains 1 company Junior Eng. & 4 ITI employees. * Attend the Breakdown in Minimum Time Period. * PLC & SCADA O&M as panel fault finding, parameter configuration as per operation requirement, editing in SCADA graphics, report generation. * Mixing section instrument O&M as level indicator, vibration sensor, sequence pulse generator electronics card.VFD parameter configuration, motion sensor. * OVEN section O&M as RTD, thermocouple, PID controller, metal detector, tachometer, mixer pneumatic switched, relay, communication with PLC & SCADA panel, VFD PM & parameter setting as per operation requirement. * Packing Section O&M as packing machine PLC based panel fault finding, HMI testing & parameter setting, PM packing machine, VFD PM & parameter setting as per requirement. * Confectionary & printing section O&M as PLC panel fault finding, HMI testing & parameter setting, VFD testing & fault finding, motion sensor testing. * Utility & boiler section O&M as PID controller, RTD, pressure switch, pressure gauge calibration, temperature gauge testing & calibration, thermometer, HMI testing. * Intercom, fire system & weigh bridge O&M as ensure communication network of intercom, PM of fire fighting system, PM of Weigh Bridge, load cell testing, communication of Weigh Bridge. * Weekly meeting with O&M department & production department.   EDUCATION   | DEGREE | INSTITUTION | BOARD/ UNIVERSITY | YEAR OF PASSING | % | | --- | --- | --- | --- | --- | | B.Tech  (Instr. & Control) | GOVERNMENT ENGINEERING COLLEGE BIKANER | RAJASTHAN TECHNICAL UNIVERSITY, KOTA | 2011 | 68% | | Diploma (Elect. & Comm.) | GOVERNMENT  POLYTECHNIC COLLEGE  NARNAUL | STATE BOARD OF TECHNICAL EDUCATION HARYANA | 2006 | 60% |   INDUSTRIAL TRAINING   * **Minor training**   Metlab basic 6 day workshop in Instrumentation department lab.   * **Major training** * PLC basic programming from Futronix Automation private limited Delhi. * SAP end user training on Plant Maintenance, Production Planning module from SAP professional in ACME Energy Private limited, Bikaner. * Solar field DATA BASE creation & updating from eSolar professional. * 5S audit training from 5S co-coordinator in Parle Products Private Limited Bangalore. * IMS & 5S auditor training from “Here Quality”.   PERSONAL SKILLS   * Enthusiastic, Confident, Honest, Hardworking and a good team player. * Ability to adapt in a new environment. * Interest to acquire more knowledge & grasp it quickly.   ACADEMIC PROJECTS  **MAJOR PROJECT UNDERTAKEN IN FINAL YEAR:**  Project title: PLC AUTOMATION   * Basic of PLC. * IO type. * PLC panel fault finding. * Programming with PLC.   **MINOR PROJECT UNDERTAKEN IN PRE-FINAL YEAR:**  Project title: STEPPER MOTOR CONTROL WITH MICROCONTROLLER  Description: This project is basically based on how a stepper motor controlled with microcontroller.  OTHER ACHIEVEMENTS & EXTRA CURRICULAR ACTIVITIES  **Sports:**   * Participated in state level cricket tournament U-14, U-16, U-19. * Win 1st prize in inter college cricket tournament J.B.B. |

DECLARATION

I hereby declare that the information furnished above are true, complete and correct to the best of my knowledge and belief.

DATE:

PLACE: Rohtak [NEERAJ AHLAWAT]