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| **Satyajit Das (MBA,B tech) D:\D Driver\pendrive.satya.1.9.09\Satya\Naukri\Pic2.jpg**  **~ Associate General manager ~**  **Targeting leadership opportunities in:~ Plant Operations & Maintenance ~ Project Management ~Engineering ~Supply chain management/ Procurement ~ Electrical~ Automation~ Digital Transformation~ Renewable energy**  *Industry Preference: Metal and mining/Power Plants / Manufacturing /Project*  ***Location Preference****: PAN India/Outside India*    ***LinkedIn****:* [*https://in.linkedin.com/in/satyajit-das-2988b755*](https://in.linkedin.com/in/satyajit-das-2988b755)  *SkypeID:Satyajit.das30*  *Whatsup(0091-9937294398)*  satya\_229@yahoo.co.in  +91-9937294398/7735940495 | |
| **Personal Details**  **Date of Birth:** 29th November 1979  **Languages Known:** English, Hindi, Bengali, Assamese, and Oriya  **Address**: Flat No–HC-301, Cluster: Hati,  Vedanta Township Jharsuguda, Odisha  **Passport No.:** J5736782 valid up to 2022.  **Key Impact Areas**   |  |  | | --- | --- | | **Operations & Maintenance** |  | |  |  | | **Green/brown field Project Management** |  | |  |  | | **Electrical/automation/Digitization** |  | |  |  | | **Business analytics (SAP Lumira/SPSS)** |  | |  |  | | **Budgeting & Cost Controlling** |  | |  |  | | **Contract Management and negotiation** |  | |  |  | | **Quality/reliability Improvements** | |  | | **Capex Planning/Improvement projects** | |  | | **Profile Summary** |
| * **An achievement-oriented professional, offering nearly 18 years** of diversified experience in the areas of Operations & Maintenance, Project Management, Erection, Installation and Commissioning in line to the business requirements with continuous improvement mindset; significantly improved overall performance in areas such as process safety, automation, reliability, energy, cost and profitability * **Currently** **associated with Vedanta Ltd. 4X600MW Power Plant for Electrical system O&M.** * **Leading and heading a team** for managing O&M activities of 1.2mt Aluminium Smelter Power Utility operation and maintenance (400kv/220kv/33KV/11KV/415VAC System). * **Leading completion of various projects** such as 400/220KV Switchyard / 340KA Rectifier (4 Potline) / 33KV/11KV HT System / Rectifier Transformer 142MVA / 120/750MVA Transformer / 1.2M Smelter Low Voltage Distribution System & Plant Lighting System for various prestigious clients such as ABB, SIEMES and Global Clients across China * **Project, operation and maintenance** of different SBUs which includes **Carbon process plant-GAP, Carbon process plant -Bake Oven**, **Cast House.** * **Automation expert with** VFD, Soft starter, PLC (Allen Bradley, Siemens, Modicon ,GE Fanuc, ABB 800PEC controller), SCADA System, **,**all types of instrumentations and IT network systems. * **Possess excellent vendor networking skills**; identified, developed and negotiated with the new/existing vendors in order to achieve cost-effectiveness in terms of quality, delivery, time and pricing. * **Broad-based expertise in taking** process/quality improvement (CASHe, 5s, Kaizen, Six Sigma), cost-savings and Energy Conservation Initiatives for enhancing the process efficiency, reducing energy consumption and O&M expenditures * **Track record of implementing** quality and safety standards like ISO 9001, ISO 14001 ,OHSAS 18001/ISO 45001 ,TS 16949 along with cost savings inside the plant area * **Possess in-depth knowledge of** SAP – PM and MM Module, MS Project and PMP. * **Business analytics using SAP Lumira and SPSS for project research.** |
| **Career Timeline** | |
| |  | | --- | | See the source image  See the source imageSee the source image  **2002 - 2004**  **2004 - 2008**  **2008 - 2013**  **Since 2013** | | |
| **Technical Expertise**   |  |  | | --- | --- | | * Diversified professional with global maintenance/repair exposure and vendor networking. * Operation and maintenance of various SBUs and products/processes.. * Design, BOQ, Ordering and planning of Capex projects. * 2000MW Captive load management & distribution network * Power System Protection and Testing * 4X600MW Power Plant Maintenance. * Substation Automation and management * Aluminium Smelter Carbon Plant Operation & Maintenance * Aluminium smelter Cast House operation and Maintenance * PLC/SCADA ,other automation systems * Substation - 400KV/220KV/33KV/11KV and LT system * Six Sigma Black Belt for process improvement * Material handling equipment Operation and Maintenance | * HT/LT Cable System And Transmission Line O&M * SAP MM/PM * Process Plant Automation * Plant Electrical Safety Champion * Vendor management and Networking * SPSS, MS Project, Advance Excel for Business analytics * Insurance Claim Settlement * TQM and quality circle initiative for continuous innovation. * Industrial Safety for zero harm, zero discharge culture. * Managing Govt. regulatory requirements. * Negotiation for spares and services. |   **Organizational Experience:**  **(1)Vedanta Ltd.(Aluminum and Power business)**  **(A)Since Jan’20: Associate General Manager – Operation and maintenance of 4X600MW Power Plant Electrical system.**  **Key Result Areas:**   * Ensuring 100% availability of Electrical system of Power plant equipment like CHP, AHP, and TG plant. * 400/220/33KV Substation and transmission line O&M. * O&M of HT-LT Motors, MCC, PCC. * Protection system review and implementation for reliable operation. * Large power transformer maintenance and overhauling. * O&M of 11/6.6KV system. * Maintenance of large Battery bank storage stations and charging system. * Contract and spare management.   **(B)Since May’13 to Jan’20: Associate General Manager – Operation and maintenance In charge, Smelter Electrical Utility (4X600MW Power Plant, 2000MW captive Load management and distribution) and HVAC system.**  **Key Result Areas:**   * Ensuring 100% availability of power to potline and other smelter SBUs. * Energy accounting and metering for internal and external stake holders. * Budgeting and planning for contract, spare and other necessary requirements for maintaining of the system. * Protection system review and implementation for reliable operation with ABB REC/RED/REB relays and Siemens 7SJ series relay. * Periodic power system testing for reliable operation. * Implementation of CILMS system for fast load shedding for reliable operation. * O&M of 400/220KV Switchyard with 24 No. (146MVA) Regulating & Rectifier Transformers, 5 No. (750MVA) ICT Auto Transformer and 3 No.120MVA Auxiliary Transformer, associated bays & Capacitor Banks for 5th 7th & 11th Harmonics Corrections, transmission lines. * Large power transformer maintenance and overhauling. Repair at site. * O&M of O&M of Utilities comprising of HP & LP Compressors, Hot Well & Cold Well Pumps, RPH & Fire Water Pump House * O&M of 5 no 33KV and 25 no 11KV Substations and feeders. * Maintenance of large Battery bank storage stations and charging system. * Maintenance of large no of 11KV large HT motors (of Pot Room FTP ID Fan -1.7MW rating, HP-LP Compressors 1.7MW Rating, ETP, Pump House, Ball Mill Motor). * O&M of 30 no MCC/PCC/Heater control panels systems. * Formulating project baselines, monitoring & controlling large-scale projects with respect to cost, resource deployment, time overruns and quality compliance to ensure satisfactory execution of projects * Ensuring smooth running of the plant through on-time DC power availability 340KA to the pot lines and to the Substations at various SBUs * Exhibiting excellence in executing IMS system: ISO 9001:2008 / ISO 14001:2004 / OHSAS 18001:2007 /ISO 45001 * Coordinating with govt. authorities & regulatory bodies (Electrical Inspectorate, M/SOPTCL, Grid-Co. & WESCO) * Steering efforts towards enhancing the processes and improving the operational methods. * Team building for continuous learning and skill building. * Six sigma project for Energy conservation and stoppages reduction. * Plant lighting system and HVAC system project and maintenance. * Overhauling of Power transformers at site and repair at Vendor end in India and outside India (China). * Scoping, Negotiation, ordering and logistics management for Overhauling of large transformers at India and outside India. * Budgeting and inventory control for minimising O&M cost. * Debottlenecking and rectification of 400KV/220KV Isolators and harmonic filter system (Rating change) after consultation with experts.   **Projects Undertaken**   |  |  | | --- | --- | | **1)Title: 1.2MT Aluminium smelter complete Electrification::**  **400/220KV 80 bays, Switchyard, 3 No 120MVA, 750MVA 7 no ICT Transformers, 150 no Distribution transformers, 340KA Rectifier system with 142MVA transformer/Diode rectifier system by ABB (4 Potline), 33KV/11KV HT system,30 no Substations, LT Distribution(Electrical installation of MCC/DSL/cabling and other accessories for Potline, carbon, Utilities, Cast house and offices) , Induction furnace system,Plant AC/HVAC & Plant Lighting System .**  **Partner: ABB and SIEMENS,NFC-China, CHALIECO-China**  **Project Cost: 200 million USD** |  | | **2) Title: FDS (Fire detection system) system installation in all MCC, Substation, Offices at 1.2MT smelter.**  **Partner: Tyco and Gunnebo** |  | | **3) Title: Thermography Camera for Switchyard Digitization initiative for automatic hot spot detection.**  **4) Title: Plant Inside Railway electrification in coordination with Railway.**  **5) Title: 10KW Roof top Solar project (Completed) and 100MW Solar system project (WIP).**  **6) Title: Energy management system for monitoring of 600 meters of complete plant feeders and SCADA.**  **Partner: Schneider** |  |   **(C)Feb’08 – May’13: Vedanta Ltd., Manager**  ***Carbon Plant***  **Key Result Areas: Bake-oven and GAP Operation and maintenance In charge**   * Operation and maintenance of GAP and Bake oven for Anode production as per Business plan and day to day plan. * Raw material planning and sourcing. * Ensuring quality and required volume production with optimal resources. * Maintenance plan scheduling and rolling out SAP plan for periodic maintenance and compliance. * Project commissioning, start-up, E&I maintenance and automation system of **Bake Oven and Green Anode Plant.** * Maintenance of **GAP equipment (**Process systems, cranes, PLC, SCADA, VFD (ABB, Siemens ,SEW drive), LT-HT Motors, Instruments, Induction furnace, P&F Conveyor, Belt conveyors, Crushers, Ball Mill system, Vibrating Systems and Cooling Tower, Hydraulic and pneumatic system),heater control panels, Oil/Pitch tank heating system, pipe heating system etc. * Maintenance of Cranes, Furnace equipment, PLC, VFD, Soft Starters, MCC, Instruments, Motors, Fume Treatment Plants. * Operation and maintenance of WATER, PIT, HTM Oil, HFO pumping stations and managing flow/temp with auto control valve system. * Operation and maintenance of Bake oven Furnace equipment from Five Solios. * Operation and maintenance of Bake oven FTA, special crane from ECL, France. * Operation and maintenance of Fume treatment plant at Bake oven. * BAKEOVEN HFO/LDO Oil management system operation and maintenance. * Major improvement done in automation of all De-dusting units and modification of GAP height sensing device. * Successfully implementing Capex and debottlenecking projects. * Monitoring and upgradation of SCADA system. * **Implementation of IMS: ISO 9001:2008 / ISO 14001:2004 / OHSAS 18001:2007 and other TQM practices.** * **Carryout 5S, Quality circle and Six sigma projects for cost reduction and improvement.** * **AMC and other contract management for uninterrupted production.**   **(D)Aug’04 – Feb’08: Vedanta Ltd. Associate Manager: Cast House and Carbon Plant Operation and Maintenance**  **Key Result Areas:**   * Green field and Brown filed project execution and Operation/maintenance of carbon plant (Bakeoven and GAP), Cast house Ingot lines, wire rod lines and slab casting, furnaces. * Production planning and execution as per business plan. * Water pump house and cooling tower Operation and maintenance. * Contractor management for operation and maintenance. * Spare management. * Quality control of cast house products. * Certification of Cast house products. * Customer complaint and feedback addressing. * Ensuring hot metal and other safety in all lines. * Automatic Ingot bundling line management (Robotics). * Robotics for ingot line material arrangement. * Grooming and developing team continuous improvement. * Maintenance of Process systems, cranes, PLC, SCADA, VFD , LT-HT Motors, Instruments, Flowmeters, conveyors and other material handling equipment. * Maintenance of Cranes, Furnace equipment, Soft Starters, MCC/PCC/Transformers. * Implementation of IMS: ISO 9001:2008 / ISO 14001:2004 / OHSAS 18001:2007 and other TQM practices. * Finished good area management and material despatch in rail network and trucks. * Digitization, automatic packaging for product despatch.   **(2)Previous Experience: TATA Bhushan steel BSL:E&I In charge**  **Jun’02 – Aug’04: Bhushan Steel and Strips Ltd., Sahibabad as Electrical and Instrumentation Maintenance Engineer**  **Key Result Areas: Sheet Galvanizing line maintenance**   * E&I maintenance and automation system of **Sheet Galvanizing line.** * Maintenance of Process systems, cranes, PLC, SCADA, L&T and Siemens AC-DC VFD ,LT-HT-AC-DC Motors, Instruments. * Carry out CBM and reliability centric maintenance for reliability improvement. * Contract and spare management * Quality management for maintenance activities. * Maintenance of TRANSFORMERS and HT system.   **Academic Details**   * **MBA** from IMI, Bhubaneswar in **2019** * **Management Development Program** from XLRI, Jamshedpur * **B-Tech in Electrical Engineering** from NIT, Hamirpur in **2002** * **12th** from T B S E in **1998** * **10th** from T B S E in **1996**   **Trainings Undertaken**  Successfully completed the following trainings:   * **Power Transformer Training** from ABB Vadodara * **ABB Rectifier System** from ABB Bangalore * **Allen Bradley** **PLC/VFD** Training * **SIEMENS/ABB/Schneider HT System, Relay Training** * **Total Quality Management** * **Six Sigma Black Belt** * **Plant Maintenance and Manufacturing** from China * **Lean Management** * **Hydraulic/Pneumatic System** for Process Plant * **FTA,ECL France** * Furnace equipment, France * Outotec, Germany * FOCS,ABB Switzerland.   **Achievements**   * Vedanta-Star of the business. * Handled multiple projects successfully. * Stabilized and brought reliability of Rectifier & switchyard, Bake oven, GAP by various de-bottlenecking projects. * Managed multiple AMC/service vendors and changed time to time as per Cost reduction and improvement drive. * Six sigma project completed for improvement of Rectifier Conversion efficiency.   **Hobbies**   * Lifestyle coach. * Adventure sports. * Travelling.   **References**   * Mr Lokanath Nayak,AVP,Mahan Aluminium,Aditya Birla Group,Mo:0091-8018043007/0091-9937294265 * Mr Bijneswar Mohanty, Plant Head, Vikram Cement,Aditya Birla Group,Mo:0091-9937297956/0091-9937811956     I hereby declare that the above mentioned information is true to best of my knowledge.  Place: Jharsuguda Satyajit Das    **COVER LETTER**  I am a hands-on professional with 18+ years of leadership experience in multinational corporations. I enjoy working seamlessly with professionals and industry experts to extract most value from employees and teams. Through the years I developed a proven set of transferable skills across Metals, Mining, Power and Manufacturing Sectors. Leveraged experience with European, Pan Indian, middle East, Chinese, Japanese cultures to design high performing, cohesive teams. Demonstrated ability to translate corporate strategy into tactical plans at asset level. A tangible working knowledge of using Business improvement methodologies such as Six Sigma and Lean Manufacturing to build a culture of continuous improvement.  Specific Competencies:  • Production and Processing  • Administration and Management  • Personnel and Human Resources  • Performance Management  • Maintenance / Asset Management  • Electrical /Automation/Digitization  • Aluminium and power Switchyard/Rectifier/Carbon plant/Cast house expertise  • Large steel plant Maintenance.  • Project Management  • Strategic Planning  • Process Improvement  • Operations / P&L Management  • Service and Support Management  Please reach out to me on +919937294398/+917735940495 or email : satya\_229@yahoo.co.in should you wish to engage me in an opportunity that would make a difference in your organization or mission  Satyajit Das | |