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### Curriculum Vitae

- High energy professional, offering a dynamic career in Project Management, Design, Component selection, Sourcing, Purchase, Vendor Development, Installation & Commissioning, ready to accept responsibilities and providing value addition to the industrial house working.
- Competent to transform my skills to performance and deliver the qualitative output within the define timelines & budget to solve the problems.

- **Core Activities:-**

- **Project Management activity:**

- Preparing detailed project planning from ground (zero) level to commissioning level covers Design, Procurement, Receipt of equipment, Installation, Commissioning stages.
  - Controlling the engineering activities of all disciplines as per plan.
  - Estimating for project cost after studying specifications & sending the same for approval to higher management.
  - Preparing machine specifications. And coordinating with cross function teams to understand & incorporate their requirements.
  - Doing design & BOM review considering machine specifications.
  - Developed Safety Interlocks Matrix, inspection check list, commissioning check list and updating it on need basis.
  - Defining scope of work and guidelines for service contractors.
  - Preparing mitigation plan by reviewing day to day progress.
  - Forecasting & planning the resource requirement as well as proper utilization of available resource.
  - Assisting and motivating erection & commissioning team of engineers to deliver better quality work with in stipulated time line with zero accident.
  - Resolves engineering problems coming at shop floor / field.
  - Controlling Budget & Cash out flow.
  - Justifying contractor's jobs and provides payment approval.
  - Machine capitalization and Stock Transfer Purchase Order (STPO) activities with store and finance team.
  - Making MIS report for procured, received – pending parts and used items (Inventory).
  - Identifying the risk in the early stage, brings it to management attention & proactively working on it to resolve the issue.
  - Interact with Clients / Licensors / Construction / Engineering / Allied disciplines for various activities, planning, resources mobilization and to follow procedures.
  - Develops manuals for machine operation and related documentation.

- **Design & Component selection:**

- Developed design pattern for electrical & pneumatic drawing preparation.
  - Prepared electrical drawings (System configuration, SLD, TLD & IGA) for panel wiring and machine (Field) wiring (using AutoCAD Electrical) considering man & machine safety and hardware configuration for special purpose machines.
  - Considering accessories for all electrical, electronic, instrumentation items required for machine.
  - Preparing I/O list, sequence diagram with safety interlocks, mimic for process.
  - Material selection for Control Panel and Field Instruments like switch gears, SSR, Drives, PLC, Safety PLC & Safety devices (Safety light curtain, scanner, mate, edge, bumper, rope switch, door locks, Safety SOVs etc.), motors, gearboxes, web guiding system, ultrasonic cutter system, LVDT, limit switches, proximities, photo sensors, read switches, PBs and stations, JBs, terminals, glands and conduit, Gauges, hose pipes, SOVs, Cable trays and its accessories, Angle sheeted valves, Piston valves, NRV, Proportional valves etc.

- I4.0 compatible material selection for smart factory.
- Preparing cable schedule and detail engineering as per requirement & specification.
- Generating a BOM for electrical / electronics items required for electrical panel as well as Machines & Field Instruments including mechanical parts like web guiding system, linear units, linear actuators, Gear boxes, etc.
- Making pneumatic drawings and BOM.

#### **Installation & Commissioning:**

- Micro level planning for machine Installation & Commissioning.
- Installation & Commissioning of machines for tyre industry like TBMs, Curing Press, Ply cutter, Butt splice machines and foundry machines like molding machine, vibrators, sand plant etc.
- Installation & Commissioning of electrical & Pneumatic panels (having Servo drive, AC Drive, PLC, DCS etc.), remote I/O panels and electrical wiring / cable lying on machine as well as in plant.
- Commissioning of Safety products like Safety light curtain, Scanner, mat, bumper, edge, PLC, Rope Switch, Door locks, Limit switch etc.
- Removal and Re-installation of machines from one location to other.
- System up gradation of machine from mechanical CAM operation to PLC operated.
- Plant power distribution. (Installation of MDB, PDB, MCC, LDB, UPS etc panels.)
- Doing program modification at site as per requirements.
- Panel inspection and trial (FAT) at panel manufacturing location.
- Works experience in Green Projects as well as Gray Field Projects.

#### **Sourcing / Purchase related activities:**

- Identify, evaluate and develop supplier to meet project needs, who can deliver good Quality, Cost and timely Delivery.
- Forecasting of material for better price negotiation.
- Consolidate the same commodity spend and send RFQ to potential suppliers to get productivity in terms of Money.
- Rationalization of suppliers.
- Making a long-term agreement (LTA) with high spend suppliers to get YOY productivity as well as material productivity in terms of Money.
- For New Product Development (NPD), doing procurement activity from scratch to final handover.
- Localize the imported items (**with saving**) with Indian supplier.
- Experience of Import purchasing & related documentation.
- Slow moving and non-forecasted material, (Inventory) are sale back to source.
- Taking a regular follow up with vendor for on time delivery.

#### **Organization served:-**



#### **Present Organization: CEAT Ltd, Halol**

- Present Designation: Manager – Design – Electrical, Electronics & Instrumentation
- Department: Engineering Development - Projects
- Tenure: December, 2013 – Till date
- Major Projects / Achievements:
  - Designed & Developed Special Purpose Machines (SPM) – PCR TBM, 2Wheeler TBM, Curing Press up to 36”, TBR TBM, Butt splice machine, Body ply cutter, Induction heating for curing press.
  - Design & Development of SPM – 14-20 PCR TBM with Dual B&T drum, B&T Stitcher, expandable carcass drum. Also Old Festo valve is replaced with VTSA valves.
  - Developed 14-20” PCR TBM & 2W TBM as project leader and completed TBR TBM as assembly leader

- Patent – One provisional patent is filed.
- Developed Excel sheet with the IT team to create mass PRs in SAP.
- Developed 2<sup>nd</sup> source for Automation Packages, Safety products, Gear boxes, Geared motors, Pneumatic systems, Gantry, Proximity and photo sensors, IR heater, drag chains, etc.
- One of the power user for SAP Hana testing and Material code & text filtration.



• **Last Organization:** **Piramal Glass Limited, Baroda**

- Designation: Sr Executive Purchase – Electrical
- Department: Procurement
- Tenure: February, 2013 – December, 2013
- Major Projects / Achievements:
  - Done online Auctions of more than 75 lac spend of different Electrical and Instrumentation items in span of 6 months and average saving of 10%.
  - Done Import purchase & send items for repairing to OEM with proper documentation.



• **Previous Organization:** **Ingersoll Rand, Naroda – Ahmedabad**

- Designation: Commodity Specialist – Global procurement, (Sr Executive Sourcing – Electrical)
- Department: Global Procurement
- Tenure: November, 2011 – February, 2013
- Major Projects / Achievements:
  - Support to NPD (New Product Development) team to localize the Motors, Cooling Fan, Control Panels, field instruments like Gauges, Switches, etc electrical / electronic items.
  - Localize the imported items (with saving) like hour meter (clock), power supplies, switchgear, communication cables, Pressure switches, Motors, Cooling Fan, Gauges, RTDs etc.
  - Supplier rationalization for control panel supplier from 6 to 2 for regular panels.
  - Identify the extra / unwanted components in panels and removed it from design, and by doing this, there is a projected saving of 56,000 USD per year.
  - Divert the VFD spend from current supplier to new supplier with productivity of 16.5Lac INR.
  - Doing VAVE projects (substitution, standardization, weight reduction etc.) with Engg to cut down the cost of products.
  - Slow moving and non-forecasted material (Inventory) are sale back to source.
  - Developed “UL” approved panel.
  - Managing the projects, change flow in Windchill.



• **Previous Organization:** **Classic Auto Tubes Limited, Chennai / Apollo Tyres Limited. Baroda & Chennai.**

- Designation: Associate Manager
- Department: Machine Manufacturing / Corporate Special Projects
- Tenure: April, 2007 – November, 2011
- Major Projects / Achievements:
  - Design & Development of SPM – 12-16 and 14-20 TBM with Dual B&T drum, B&T Stitcher, expandable carcass drum), Bead ID checking machine.
  - Introduce Safety and Warning Signs on machine.
  - Making electrical drawings in AutoCAD for PCR TBM & panel inspection at mfg. site.
  - Proximity and photo sensors are converted in to different make with one to one replacement for ease of procurement & inventory reduction.
  - Standardization of cable with same connector like M12/M8, 4/3 wire for reduction of inventory.
  - Development of indigenous vendor in place of imported ultrasonic cutting system.

- Have commissioned Total 8 Modules – Each module having two stages (1<sup>st</sup> & 2<sup>nd</sup>).
- Commissioning of DCS systems (E+L centering systems)
- **TBR** (Truck Bus Radial) Machine development started.



- **Second Organization:** **RHINO MACHINES PVT LIMITED, ANAND.**
- Designation: Project engineer (Automation)
- Tenure: January, 2006 – April, 2007
- Major Projects / Achievements:
  - Making electrical drawing & panels (Automation – AC drive, Servo drive, PLC, Relays etc.)
  - Commissioning of High Pressure Moulding Line (HPML): 2nos (Foundry M/C).
  - Cam operated Moulding Machines are converted in PLC operated.
  - Commissioning of Moulding Machine (Pneumatic operated): 5 nos.
  - Moulding line (Pneumatic, Oil Hydraulic)
  - Taking a leadership during HPML project in Karachi, Pakistan in 2006.
  - Prepared operating manuals for above said machine.

- **First Organization:** **ONSITE POWER SOLUTION PVT LIMITED, BARODA.**
- Designation: Trainee engineer (Sales)
- Tenure: July, 2005 – January, 2006
- Market survey to sell Gas kit using which DG set can run on Gas.

○ **Skills:-**

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|--|--------------------------|
| • SAP – S4 HANA and lower versions,                    | • Auto CAD – Electrical, |
| • Industrial Automation – Rockwell, Siemens, Beckhoff, | • Leadership             |
| • VAVE,  | • Problem Solving,       |
| • Leadership,  | • Sourcing,              |
| • IOT – Smart Factory,                                 | • Negotiation,           |
| • MS office: Excel, Word, Outlook, Power point,        | • Team work,             |

○ **Academic Background:-**

- **Diploma in International Trade (DIT):**
  - Year: December, 2016
  - Affiliation: Indian Institution on Material Management (IIMM)
- **Bachelor of Electrical Engineering:**
  - Year: April, 2005.
  - Affiliation: M. S. University, Baroda.
- **Diploma Electrical Engineering:**
  - Year: May, 2001.
  - Affiliation: Polytechnic, M. S. University, Baroda.

○ **Personal Details:-**

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|---------------------------|---|
| • Date of Birth           | : 30th June, 1980                         |
| • Gender & Marital status | : Male / Married.                         |
| • Passport                | : M9503342                                |
| • Hobby                   | : Swimming, Surfing technical data sheet. |