1. Developed new compounds and formulas based on strict customer requirements.
2. Authored bid packages for projects ranging from minor tasks to large capital layouts, incorporating customer goals and budgets.
3. Evaluated project proposals for potential environmental impact, reporting findings to both employer and appropriate regulatory agencies.
4. Maintained all technology documentation, providing updates and addendums when required.
5. Developed processes based on critical needs, preset efficiency standards and cost reduction measures.
6. Evaluated safety processes and procedures to check safety of working conditions.
7. Formulated industrial risk mitigation strategies, reducing safety violation incidents by [Number]%.
8. Undertook preventive maintenance and safety inspections for smooth, uninterrupted operations.
9. Led startup and shutdown procedures, maintaining compliance with plant operations manual and technical guidelines.
10. Determined corrective actions for maintenance when equipment failed or required repairs.
11. Researched and developed novel manufacturing processes to reduce production time.
12. Coordinated workloads to fit with tight deadlines and employee schedules.
13. Designed Process Flow Diagram (PFD) and Process and Instrument Drawing (P&ID) for corporate training manuals.
14. Visited customer sites to supervise new product trials and troubleshoot when issues arose.
15. Adhered to various Safety Management Protocol standards, including [Type].
16. Established proper processes to meet production capacity demands.
17. Drafted measurement control specifications for safety guidelines pertaining to [Area of expertise].
18. Oversaw solution production tasks, including mixing, distillation, drying, crushing, and containment.
19. Managed operators in chemical processing plant, maintaining overall product quality.
20. Created and implemented safety protocols and procedures to reduce [Type] accidents attributed to chemical spills.