

Sandeep Bhardwaj

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PROFILE:

- Skillful, results-oriented Project Engineer with over 14 years of experience in directing and leading sophisticated projects
- Management of the projects in project life cycle, analyzing different stages of the projects initiating, planning, executing, controlling and closing-out projects, Cash flow forecast and cost control, with an ability to recognize business objectives, foresee the solutions, develop approaches, AFE estimate resource and deliver projects on time and within a budgets
- Wide experience in writing Project execution plans, proposals, planning documents, Final project reports & legal requirements reports
- Experience with HAZOP management, interface management, project review meetings with clients, various functional departments & subcontractor etc, procurement, planning packages, installation scheduling, commissioning assistance, offshore hook up, value engineering etc in oil & gas and Nuclear industries
- Engineering experience includes knowledge of process and instrumentation diagram, plant layout, specification & data-sheets
- Have Level 2 security clearance for sitework in Canada

EDUCATIONAL BACKGROUND

MS	(Sept, 2003- Sept, 2005)	University of Toronto, St. George
Chemical Engineering		Toronto, Canada
Btech	(July, 1998 - July, 2002)	Indian Institute of Technology
Mechanical engineering		Roorkee, India

WORK EXPERIENCE

Designation: Project Management & Business Development (1696772 Alberta inc. Contractor)
(June, 2011- Present)

Clients: **Bruce Power, Spectra Energy, Forthills Secondary extraction EDS-**

SUNCOR Achievements:

- Project Manager responsible for managing projects 2 million to 20 billion dollar value program using design build and EPC delivery method from developing proposals to through design, construction, startup and turnover
- Managed project communications with key project staff members in the U.S. and Canada, project punch list and drive the closure of open items affecting project performance & Request for Information (RFI) process
- Analyzed project earned value cost and schedule performance derived from Primavera
- Developed WBS for key subprojects that have to be performed on time and on budget, develop deliverables definitions, activity performance

- Managed team of estimators and schedulers in preparation of level 1 and 2 schedules & Class 2,4 & 5 estimates for Bruce power construction projects
- Maintained the project risk registry for Bruce power projects
- Delivered customer satisfaction by controlling project scope, cost, and schedule
- Managed preparation of draft report of fire safety plan for Suncor plant in coordination with other disciplines and fire safety experts
- Reviewed and followed up on tasks and project milestones progress of the project and developed mitigation plans to meet project costs and schedule. Streamlined Interface Management and coordinated interfaces thru IDR for clear management.
- Managed Scope Changes with client and team to facilitate timely approvals and implementation. Enforced Client and company corporate procedures to maintain the quality on project.

Designation: Project Engineer

Canadian Nuclear Laboratories, Ottawa, ON, Canada

(Apr, 2010- June, 2011)

Achievements:

- Prepared Preventive and corrective Maintenance plans for equipments for CANDU nuclear reactor and Powerhouse
- Familiar with overall operation of CANDU reactor, site management and hazardous waste management
- Developed maintenance procedures for transportation of nuclear flasks, calibration of torque wrench and repair of hot tube bundles
- Project management, planning, scheduling, man-hour estimates, budget estimates for Installation and maintenance projects
- Leading engineers & tradespersons, Field walk-downs, inspection of equipments, work package preparation for installation and replacement of Mechanical equipments in coordination with other engineering divisions of company
- AECL sponsored courses from ANRIC on ASME B31.1, B31.3, CSA, Ontario works and repairs by TSSA and steam system specialist by Kelly Paffel of Swagelok Energy
- Summer shut down maintenance planning of steam lines and nuclear vessel
- Prepared PEP, WBS, nuclear codes and regulations, design change notices and modifications of AECL templates of forms related to maintenance activity
- Team lead for improvement in existing SAP system to record maintenance work packages and records

Designation: Project Engineer

WOODGROUP-IMV, Calgary, Canada

(Jan, 2007- Jan, 2010)

Canada Achievements:

- Interface engineer for British Gas project and SUNCOR FIREBAG SAGD Project
- Prepared level 1 & 2 schedule of project, 25% cost estimation, control excel sheet for weekly man hour distribution for multiple projects for engineers
- Assisted in vendor bid preparation of piping, static, rotary and pressurized equipment, storage vessels, manufacturing inspections and shipping
- Prepared DBM, procedures for separators, compressors, noise level standards, secondary containment of equipment and buildings
- Coordinating and interfacing information various disciplines of engineering to purchase equipments
- Prepared CWP, legal & engineering requirement documents for HUSKY project
- Cost estimation of mechanical equipment for SNC-LAVALIN project

Designation: Asst. Engineering Manager

(Dec, 2005- Dec, 2006)

Raja Trailers and Equipment Sales Ltd., Delta, B.C., Canada

- Leading team of trades people and engineers to perform sales of truck trailers in accordance with customer requirements
- Liaison with vendors and customers & new customer development

Designation: Projects assistant

University of Toronto, Toronto, Canada

(Sept, 2003- Sept, 2005)

- Project design and planning to explore mechanism of deformation of coating layer in hot-soft nip calendaring and finish project within schedule and budget
- Lead a team of undergraduate, graduate students and used their capabilities to execute project

ADDITIONAL COURSES:

- Project Planning course from SAIT, Calgary, Canada
- Ontario works and repairs by TSSA

PRESENTATION ACHIEVEMENTS:

- **Volunteer in IITR-NA Alumni conference Las-Vegas, USA** (Sept, 2006)
- Presented MS thesis at Canadian Chemical Engineering Conference, Toronto(Nov, 2005)
- Brazil industrial tour organizer**, University of Toronto (May, 2004)
- Presented in PAPTAC-2005 conference, Montreal (Feb, 2005)

Summary of work and photo was published by an international newspaper

- Participated in weekly University of Toronto departmental Seminars (Sept, 2003-Sept, 2005)

-Sandeep Bhardwaj

15 October 2019