

**TARUN KUMAR BAIDYA**

Present Position	Project Manager (DCS Package) ONGC Petro Additions Limited, Vadodara.		
Marital Status	Married	Date of Birth	Dt 20-10-1957
Educational Qualification	B.Tech (Instrumentation)	Total years of Experience	30+ years
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Nationality-Indian	Indian	Joining Time- two weeks (from 01-11-2017)	Personal Health --Good

**EXECUTIVE SUMMARY:**

**QUALIFICATION**

Qualification (Highest)	Institute	Year of passing	Class
B.Tech. (Instrumentation)	Jadavpur University	1980	First Class Hons.

**CAREER SUMMARY**

S/N	Company	Position	Period
1	ONGC Petro Additions Limited, Dahej, Baroda	Project Manager (Instrumentation)	Aug 2012 till date
1	ONGC C2-C3 Plant, Dahej, Baroda	Head Instrumentation	Dec 2007 to Aug 2012
2	ABB	Asst Vice President	Nov 2006 to March 2007
3	ONGC, Rajahmundry Asset	Head Instrumentation	May 2002 to Nov 2006
4	ONGC, Chennai	Incharge Instrumentation	May 1999 to 20002
5	ONGC, Uran	Project Manager, Revamping of LPG-CSU Control System	May 1997 to May 1999
6	ONGC, Uran	Incharge - Instrumentation Maintenance, Co-Gen & Utilities	May 1995 to May 1997
7	ONGC, Bombay Offshore Project	Suptdg. Engineer Project Manager revamping projects	Nov 1991 to May 1995
8	ONGC, Assam	Executive Engineer, Instrumentation Maintenance of Onshore Plant & drilling rigs	Oct 1988 to Oct 1991
9	ONGC, Bombay Offshore project	Executive Engineer- Instrumentation, Maintenance and commissioning of offshore platforms	Oct 1982 to Oct 1988
10	BPCL Refinery Bombay	Maintenance engineer, Instrumentation maintenance of Refinery	Oct 1980 to Oct 1982

**TRAINING UNDERWENT**

S/N	Subject	Venue	Period
1	DCS	Yokogawa Bangalore	2 Weeks
2	DCS	Honeywell, Pune	2 Weeks
3	Microprocessor Control	VJTI Mumbai	1 Month
4	Course on Drilling Instrumentation	Martin Decker, Assam	1 Weeks
5	Refreshing course on Control Valve	IDEMI Mumbai	1 Weeks
6	Course on Pneumatic and Hydraulic Control	FTI, Bengaluru	2 Weeks

**Key Experience:**

30+ years of experience as Instrumentation engineer in Oil and Gas industry- Offshore Platforms, Onshore Plants, Refinery, Mini Refinery, CPP, HRSG Boilers, Gas Turbines & Drilling Rigs, Fire and Gas Detection System and suppression System.

**Responsibilities:**

- **OPaL Plant, Dahej:** Project Manager DCS Package- Review of Basic & Detailed Engineering, FAT, Construction supervision, Pre commissioning, commissioning & SAT activities, Coordination with other LSTK contractors, forecasting requirements of construction resources, mechanical completion, pre - commissioning, commissioning & start up trial run activities, Supervise and co-ordinate activities of construction and field engineers within assigned areas. Provide daily supervisory surveillance checks and records ensuring that contractor's management and supervision are providing safe working conditions, personnel protective equipment, permitting procedures, experienced / qualified supervision and manpower, with reliable and well maintained equipment to execute the contracted works as per contract schedule
- Routinely study, review, and validate the discipline scope of works against the appropriate Contract Requisition to ensure the contractors correctly interpret and comply with the latest revisions of AFC drawings, quantities, and specifications.
- Ensure all approved modification of works are recorded on red-lined "as-built" drawings, and are verified as correct by field personnel
- Review method statements for pre-commissioning activities to ensure workface co-ordination and integration has been considered and all the project Quality and HSSE requirements have been complied with
- Proactively assess Contractors against agreed schedules and milestones and challenge / support as necessary the Contractor's ability to achieve required progress
- Ensure all quality control checks and tests are instigated with records maintained and available as required for cabling, lighting, earthings, cable tray and racking, heat tracing, equipment installation and testing, instrumentation installation and testing, etc., all in accordance to contractor's agreed ITP, method statement and project specifications. Where applicable, supervise calibration activities
- Ensure that contractors carry out receipt, storage, checking, test, and calibration of instruments to comply with the project specifications and contract schedule.

**ONGC C2 C3 Plant, Dahej: Lead Instrumentation Engineer** - Review of Basic & Detailed Engineering, FAT, Construction supervision, SAT activities Pre commissioning, Coordination with main LSTK contractor, Providing training to the juniors.

**Responsibilities-** Assist & Support to System reliability team in analyzing control & instrumentation KPI data , carryout continuous improvement relating to reliability (Loop tuning), monitor C&I failure data & implement remedial measures, Plan & recommend for modification/.system upgrade/ replacement of obsolete ICSS . Reviews and makes recommendations on design, Controls systems specification for new facilities including inputs related to installation, commissioning, start-up, operations and maintenance. Reviews regularly equipment performance, work methods, startup processes, Maintenance & operating procedures for opportunities to increase reliability and efficiency of machinery and reduce maintenance costs. Enforces safety practices in maintenance & strictly follow the SOP's & work methods, compliance documentation in equipment PMs, compliance checks and safety system calibrations.

**ONGC Rajahmundry Asset (Onshore installation, Tatipaka Mini Refinery, Offshore Platforms and GCS):** Head Instrumentation- Maintenance of DCS, Field Instruments, Joint Calibration of Custody Transfer Instruments, Maintenance of Offshore and Onshore well head and plant instruments, Engineering & Execution of Revamping Projects, Procurement of instruments

**Responsibilities-** Organize the work with available resources for its maximum utilization, identify the recurring problems & advises the improvements in maintenance systems to improve upon the performance. Develop corrective maintenance practices to ensure system reliability with minimum down time, no loss to the production & adequate availability of spares for overhaul in case of machine shutdown & devise methods to cut down maintenance costs. Estimation of total spare requirement including small modification works, Annual maintenance budget preparation & Periodic review of spare & inventory positions at warehouse for assessing the availability, monitoring the stock

-Monitor the quality of work & performance of Maintenance Engineers & technicians & advises for continuous improvement & skill development. Prepare daily, weekly, & monthly work reports. Identifies the recurring problems & advises the improvements in maintenance systems to improve upon the production targets. Prepare Tender documents, SOW for specialized works (Turn around jobs) & recommends requirements for specialized contractor to carry out the jobs as per company standards.

**ONGC Onshore Installation Group, LPG-CSU Plant Uran:** Project Manager, Revamping of LPG- CSU Control System and other retro-modification projects : Planning, scheduling, cost estimation , tendering & execution of construction activities, supervision of construction engineers, Co ordination with construction team discipline engineers.

- Responsibilities--- Responsible for review of data sheets of Flow/pressure/temperature instruments, Flow elements, control valves, cable sizing calculations, JB and trays, sizing calculations of all instruments, instrument specifications, design deliverables of contractor during detailed engineering & review design, selection of Instruments, Control systems, instrument databases and material requisitions. .
- Expertise on Engineering & design & Instrument sizing & selection-hands on experience with latest softwares- Instrument tool kit, Smart plant (Intools), Instrucal & Plant engg. softwares Intergraph (Smartplant), Bentley

design,. Conceptualize & prepare layouts-cable tray, cabling, Valve sizing,, cable sizing calculations, wiring diagrams, loop schematics, I/O list, Index, MTO's.

- Responsible for clarifying all Technical queries during FEED verification & construction phase by EPC contractor. Other responsibilities include but not limited to coordinating with other discipline specialists on interface issues, manage safety in all aspects of work including design, construction & Commissioning.
- Review all design deviation requests from EPC contractor and recommend suitable solutions in consultation with Owner/Client.. Review of Vendor documentation from instruments and packaged equipment suppliers. Participate (FAT) factory acceptance testing of controls and instrumentation on major packaged equipment, participate in technical review of HAZOPs, SIL, SIF, RCFA (Root cause & failure analysis) & alarm management & rationalization activities. Familiar with industrial networking & protocols like (Foundation fieldbus, HART, Modbus, TCP/IP) & their applications
- Design review of Fire Water Network for Tank Farms, Bulk Plants, Refineries & petrochemical plants etc. including fire water pumps, Deluge systems, sprinkler systems(Wet Dry & pre action),Clean agent systems for Auxiliary .equipment room & Central control room , water spray system Storage tanks, Spheres, Transformers, etc.

**ONGC Co-gen & Utilities, LPG-CSU Plant Uran:** Lead Instrumentation Engineer- Maintenance of Gas Turbine Instrumentation Control System, HRSG Control System, Boiler Control System, Package Boiler Control System, IA/PA Control System, IG System, Fire Water System, ETP Control System, Coordination with process engineers & other discipline Engineers in prioritizing & scheduling the maintenance activities of the plant  
Main Responsibilities- Maintenance & Commissioning & RCM of Instrumentation on LPG plant, GOSP, Co Generation Power plant 3X22MW GE Gas Turbines complete with Mechanical, Electrical & Instrumentation systems, ( Air inlet system, Compressor packages, IGV's, load gear box, Alternators, cooling water systems etc) with Speed Tronic control, BRUSH MAVR,GRSG Boilers, SOLAR –TITAN-130) Turbines.

**ONGC Bombay Offshore Project :** Manager, Revamping Retro-modification and Commissioning- Planning, scheduling, cost estimation , tendering & execution of construction activities, supervision of construction engineers, Co ordination with construction team discipline engineers for GLPM Project and various retro-fitment Projects.

**ONGC ERBC:** Lead Engineer Maintenance of Onshore Plant Instrument and Drilling Rig Instruments- Field troubleshooting and workshop maintenance of Onshore oil and gas processing Plants and Drilling Rigs.

**ONGC Bombay Offshore Project :** Instrumentation Engineer- Commissioning of Offshore Process and Well Head Platforms, Maintenance of Process Platform and Well Head Platform Instruments.

**BPCL Refinery, Bombay:** Instrumentation Engineer- Plant troubleshooting and Workshop Maintenance of Refinery Instruments.

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