RESUME



Objective

To be an effective team player in an organization where I can use my skills for the growth of the company & have continues learning throughout my career.

Total Experience: 19 Years (7 Years Gulf & Foreign Countries)

Name	Mr. Bharat Kumar Ageja
Date of Birth	09- 09-1976
Marital status	Married
Address	Patel colony -11, Street no-11 Road no-03, Nehru Nager 11/3, Jamnagar, Pincode-360 051(Gujarat)
Contact No	+213 657 827 593 (AFRICA), 9974556979 (INDIA)
Passport no	P1082024
Passport Issue Date	05/10/2016
Passport Expiry Date	04/10/2026

Educational & Technical Qualification:

- Graduation in Bachelor of Science degree with special subject, Physics in Gujarat university, Ahmadabad
- Diploma in Instrumentation and control engineering in Gujarat Vidya pith, Ahmedabad with Distinction

Training:

- I complete training in Instrumentation control section Thermal Power Station in Gandhinagar, Gujarat

In -Turn Around Servicing:

- I am qualified Graduate BSC (PHYSICS), Post Graduate Diploma in Instrument & control Eng Form a Reputed. Rich Experience in refinery petrochemical & power plant as fuel gas & oil related power plant co- ordination with project construction &operation
- Operation, Maintenance, calibration, troubleshooting of Equipments like Transmitter. (PT.TT.PDIT.LT.ON/OFF VALVE.CONTROL VALVE, LIMITE SWITCE. PRSSUR SWITCH.PRV VALVE SHUTOFF VALVE.ANALYSOR(PH, DO. TURBADILITY, SULFURE. HORRIBA etc.) Also Construction site project work like equipment installation ,panel , JB , instrument installation, cable tray raceway, cable laying cable termination ,grounding cable ,F&G ,Telecom installation project construction & operation
- Good knowledge in per-commissioning & commissioning programming trouble shooting in DCS (YOKOGAWA) CS3000, PLC Siemens S7-300 400 Effect checking Functional logic checking & process control write-up as build loop drawing, P&IDs Review system Architecture drawing loop drawing Graphic Displays, Rely diagram Layout of control panels and Auxiliary room cabinets, field RTU's DCS and PLC

Sensitivity: Internal (C3)

- Review vendor data & drawing trouble shoot I/O listing. Coordination with the client vendor & other disciplines for preparing control & automation philosophy docs
- Coordination with all supervisor &technicians scheduling the inspection activities for pre-commissioning and commissioning according to plan &Quality stander/procedures
- Able to co-ordinate organize and display leadership qualities in multinational and multi discipline terms installation commissioning &testing experience of instrumentation systems in Petrochemical, oil & gas and Process plant

SKILL SET

- Leadership quality & Team player
- Project Engineering & Execution, Construction E & I in short time period with Perfection
- In-house Troubleshooting of Critical Instrument to save time & cost to company
- Operations & Maintenance of Instruments without Deferral
- People Management
- Managing Instrument calibration shop as superintendent

EXPERIENCE

Company : HYUNDAI ENGINEERING CO.LTD JIJEL CCPP PROJECT 1398 MW POWER ALGIREA (AFRICA)

Position : E & I ENGINER (Construction)

Duration : 24 May-2019 to Present

Company : HYUNDAI ENGINEERING CO.LTD, (AFRICA)

Position : E &I Engineer (Instrumentation)

HYUNDIA HEAVY ENG.CO.LTD

GAS TURBINE .PECC.ACCESSRY MODUEL, WATER WASH SKIDE ,LCI/EXC COMPARTMENT,LP CO2 STORAGE TANK, GT CO2 BOTTEL RACK H2 BOTTEL RACK,FUEL GAS CONDENCET & SCRBER TANK,HEAT RECOVERY STEAM GENRATOR,HRSG MAIN STACK,CHEMICAL DOSSING & SAMPLING SKID,AIR COOLL HEAT EXCHANGER,AIR COMPRESSOR,AIR RECOVERY, CCW,FUEL GAS HEATER, FUEL GASS GC & WOBBE METAR TURBINE INLET AIR COOLED SKIDE, GT PRESSARITION COMPRESSOR SKID FOR GT PRESSRITION UNIT

- Construction work of the cable laying of instrument, electrical, power, F & G ,Access control ,Telecom, PAGA system etc. as per cable data sheet and cable tray schedule and as per hook up drawing layout ,p &id Diagram wind rang of instrument installation calibration as per data sheet
- Instruments as per Drawing instrument foundation as per hook up installation instrument ,grounding, cable laying primary secondary try installation & cabling dressing panel installation .JB installation & OE Inspection NFI Sending ,inspection comp,& punch clear MCCR completion
- Control room panel modification installation & MCCR completion
- Organizing loop check team coordination with the team for day to day loop Check planning to pre loop check rectification of any loop having problem training of technician to carry out effective loop check carry out the inter lock check of shut down system associated with DCS

Sensitivity: Internal (C3)

- ITR-A, ITR-B CAMPLITION AND APDET IN IT PETRO IT COMPLETION REPORT
- Maintaining a proper record for the system turn over Dossier system wise
- Punch point type A, B & C Rising and clearing Punch points and monitoring as per system wise record & clearing the MC
- Instrument calibration inspection with SPE, GE WITNESS WITH CALIBRATION REPORT MAKING WITH CLOSED ITR (CALIBRATION SHOPE SUPRITANDENT)

Company : RELINCE INDUSTRIES LTD (MTF), JAMNAGAR

Position : Instrumentation Engineer

Duration : 10 July-1017 to 10 May-2019

RELINCE INDUSTRIES LTD, (INVENSYS)THANGAM CORPORATE SERVICE PVT LTD JAMNAGAR

- Reliance in work area in MTF(marine tank farm) in jetty, cryogenic area, fluid storage tank, metering skid, sea water intake, ETP, Area, fire & Safety system pig launcher area, Air compressor pre commissioning &commissioning activity on wind range of pneumatic & electronics instrument in different field Cold type & Hot type loop checking through DCS power Energized & function checking also as drawing PID &logic checking & malfunction checking with logic diagram
- Also handling P.L.C. Installation & maintenance like mov, Rov, on/off valve HOV valve Transmitter (Pressure, Temp, flow, level)
- Calibration of switches (pressure Switch, level switch, temp switch, & Gauges
- Troubleshooting of Siemens PLC S7-300 MODEL which is also including Digital (I/O) module, Analog (I/O) Module, Interface module, Ethernet switch module.
- Also understand fire equipment FM 200 system, Co2 System, Deluge Skid system. Also, Flam Detector, Heat Detector. Gas Detector, Repair & Calibration check. Also, analyzer, enders- Hars, TDS Analyzer, TOC Analyzer, PH Analyzer, Cl2 Analyzer, Conductivity Analyzer, DO Analyzer, Turbidity Analyzer.
- Breakdown & preventive maintenance of field instruments
- Testing and calibration of pressure, level, temperature, flow, instruments control valves, Vibration Sensors, Reverse Rotation Sensor and transmitters
- Checking of the all the instrument & valve as per requirement

Sensitivity: Internal (C3)

Company : HYUNDAI HEAVY INDUSTRIES CO.LTD SHUQAIQ STEAM POWER PLANT, SHUQAIQ JAZAN CITY (KSA)

Position : E & I Engineer (Construction)

Duration : 25 Jun- 2015 to 25 Jun-2017

Company : HYUNDAI HEAVY INDUSTRIES CO.LTD, SUDIA ARAMCO (SHEDGUM GAS, PLANT) TIHMA POWER CO GENRATION

Position : E &I Engineer (Instrumentation)

Duration : 23 April-2014 to 23 April-2015

HYUNDIA HEAVY IND.CO.LTD SHEADGUM GAS PLANT (SUDIA ARRAMCO) & shuqiqa steam power plant, power project jizan

- **GAS TURBINE .PECC.ACCESSRY MODUEL, WATER WASH SKIDE ,LCI/EXC COMPARTMENT,LP CO2 STORAGE TANK, GT CO2 BOTTEL RACK H2 BOTTEL RACK,FUEL GAS CONDENCET & SCRBER TANK,HEAT RECOVERY STEAM GENRATOR,HRSG MAIN STACK,CHEMICAL DOSSING & SAMPLING SKID,AIR COOLL HEAT EXCHANGER,AIR COMPRESSOR,AIR RECOVERY, CCW,FUEL GAS HEATER, FUEL GASS GC & WOBBE METAR TURBINE INLET AIR COOLED SKIDE, GT PRESSARITION COMPRESSOR SKID FOR GT PRESSRITION UNIT**
- Construction work of the cable laying of instrument, electrical, power, F & G ,Access control ,Telecom, PAGA system etc as per cable data sheet and cable tray schedule and as per hook up drawing layout ,p &id Diagram wind rang of instrument installation calibration as per data sheet
- Instruments as per Drawing instrument foundation as per hook up installation instrument ,grounding, cable laying primary secondary try installation & cabling dressing panel installation .JB installation & OE Inspection NFI Sending ,inspection comp,& punch clear MCCR completion
- Control room panel modification installation & MCCR completion
- Organizing loop check team coordination with the team for day to day loop Check planning to pre loop check rectification of any loop having problem training of technician to carry out effective loop check carry out the inter lock check of shut down system associated with DCS
- ITR-A,ITR-B CAMPLITION AND APDET IN IT PETRO IT COMPLETION REPORT
- Maintaining a proper record for the system turn over Dossier system wise
- Punch point type A, B & C Rising and clearing Punch points and monitoring as per system wise record & clearing the MC

Company : IOT (INDIAN OIL INFRA STRUCTURE LTD)

: MDPP (MANGLA DEVLOPMENT PIPE LINE PROJECT)

Position : Instrumentation Engineer, E & I(Construction & Commissioning)

Duration : 30 Jun-2013 to 20 April-2014

Sensitivity: Internal (C3)

Cairn Energy of India, Bhogat-Jamnagar (Gujarat)

Mangla Crude Processing Terminal Area(MDPP), Commissioning of Crude Processing area Gas Processing area ,Gas turbine siemens (13 MW), Steam Turbine Generator , Pig Launcher & Receiver ,Metering skid, Knockout drum , Flare Area ,Booster pump, Expert booster pump ,Crude Oil Tank, ,Interpose holdup tank, Air Compressor ,Nitrogen ,nitrogen distribution system, DM Water ,West water distribution system, Building F& G, Plant F & G ,Access control system intrusion system ,peripheries system, cable, Central control room (CCR)

- Construction work of the cable laying of instrument, electrical, power, f & g ,access control ,telecom, paga system etc as per cable data sheet and cable tray schedule and as per hook up drawing layout ,p &id diagram wind rang of instrument installation calibration as per data sheet
- Pre-, commissioning activity & commissioning activity on wind range of pneumatic & electronics instrument in different field
- Cold type & Hot type loop checking through DCS power Enraged & function checking also as drawing PID & logic checking & malfunction checking with logic diagram
- Organizing loop check team coordination with the team for day to day loop Check planning to pre loop check rectification of any loop having problem training of technician to carry out effective loop check carry out the inter lock check of shut down system associated with DCS
- ITR-A, ITR-B CAMPLITION AND APDET IN IT PETRO IT COMPLETION REPORT
- Maintaining a proper record for the system turn over Dossier system wise
- Punch point type A ,B & C Rising and clearing Punch points and monitoring as per system wise record & clearing the MC
- Instrumentation & electrical cable IT-TRENCH with cable of near building entry like HVAC, TELECOM, PAGA, ACCESE CONTROL, INTRUSION SYSTEM,F & G System etc.
- FO Cable laying & Splicing in control building to field panel also MODBUS cable LAN cable ,PROFIBUS IN LAYINK AS Per Drawing
- **IMR Martial inspection as per requirement check MTC, TPI, also Mack PO order as per requirement, & maintain tool box as requirement**
- **Also under stand of the civil structure , Pedstand, Tank side and field side cable tray work all type of the excavation work with cable laying**
- **ALL TYPE OF ANALYSER DO ,TDS ,TSS.SO2,CO2,OXEZEN, CL2; PH , TURBIDITY ANALYSER INSTALLATION & COMMISSIONING**
- FOR F & G Smock detector open path gas detector ,IR-Flam detector MCP,HOOTER,BECON Installation & commissioning,
- Leading & monitoring the performance of team members to ensure efficiency in Project and meeting of production targets as on time.
- Installation Calibration, Maintenance & troubleshooting of all process instrument & transmitter such as Temperature, Flow, Pressure, Level of various make such as Rosemount, Yokogawa, Siemens & ABB
- Maintenance of Pneumatic & Electrical damper actuator, MOV, on/off Valve, control Valve
- Calibration of switches (pressure switch, level switch, temp switch & Gauges

Company : Cairn Energy of India
Position : Commissioning Engineer (Instrumentation. Eng.)
Duration : Dec-2011 to 30 Jun-2013

Cairn Energy of India, Badmer, Rajasthan

Bhagyam Field development & Mangla Crude Processing Terminal Area, Rageshwari Gas Terminal (RGT) Gas Processing, Instrument Installation, Pre commissioning & Commissioning of Crude Processing Area Gas Processing Area Steam Turbine Generator .Water Injection Area Pig Launcher & Receiver Area, Metering skid, Well Pads Flare Area & Central control room (CCR)

Sensitivity: Internal (C3)

- commissioning activity on wind range of pneumatic & electronics instrument in different field Cold type & Hot type loop checking through DCS power Energized & function checking also as drawing PID & logic checking & malfunction checking with logic diagram
- Organizing loop check team coordination with the team for day to day loop Check planning to pre loop check rectification of any loop having problem training of technician to carry out effective loop check carry out the inter lock check of shut down system associated with DCS
- Maintaining a proper record for the system turn over
- Rising and clearing Punch points and monitoring nonconformities
- Leading & monitoring the performance of team members to ensure efficiency in Project and meeting of production targets as on time.
- Installation Calibration, Maintenance & troubleshooting of all process instrument & transmitter such as Temperature, Flow, Pressure, Level of various make such as Rosemount, Yokogawa, Siemens & ABB
- Maintenance of Pneumatic & Electrical damper actuator, MOV, on/off Valve, control Valve
- Calibration of switches (pressure switch, level switch, temp switch & Gauges
- Work knowledge with YOKOGOWA CENTUM CS 3000 DCS SYSTEM pro safe ESD system
- knowledge of control strategy (open loop, close loop PID, as SCADA Spilt range
- Commissioning &Maintenance of pneumatic control valves, MOV, ROV, XV Field
- Instrument of Rosemount, Honeywell & ABB
- Communication of ROSEMOUNT Hart 275,375&475 &Yokogawa smart transmitter
- Also use in test kit in loop calibrator (ups-111-1s) make Durke, Fluke 707 ex ma
- Calibrator, Fluke68 IR tem gun, Tem. Cali. DBC-650, Low pre-calibrator (DURKE) DPI-615
- High pre-calibrator in rang 0 to 880 bar Enerpac pump, Fluke 719 low pressure calibrator
- Range -12 to 100 psi, Pressure module (P/I converter) make -Fluke
- Reviewing the specification, document drawing data sheet &vendor manual & identifying
- Certifiable point related to electrical & Instrument system
- Interface & provide clarification & guidance& technical supports to construction &
- Commissioning engineers provide startup assistance as required
- A, ITR-B CAMPLITION AND APDET IN IT PETRO IT COMPLETION REPORT

OPIC (Operation Project Implementation & Commissioning)

- Preparing and submitting all Inspection & test reports (ITRs).
- Ensured adherence to the permit for work systems as per instrument Safety Rules in Oil field.
- Handing over the system to Operation Team.
- Rising and clearing Punch points and monitoring nonconformities.
- Ensuring that appropriate quality records for each activity carried out are documented and filed.
- Ensuring all activities are performed within the specifications and quality requirements
- Leading & monitoring the performance of team members to ensure efficiency in Project and meeting of production targets as on time.
- Identifying areas of quality and taking steps to correct & prevent the occurrence.
- Ensure HSE systems are in place before starting a job.
- Ensure proper use of tools and Personal Protective Equipment (PPE).
- Conduct regular site visits, procedures (e.g. road safety rules, waste management, etc.)
- Ensure competence of workers and awareness of relevant operational/HSE
- Advice workers on potential hazards
- Check safety equipment
- Notify management of unsafe working conditions
- Report and investigate HSE incidents

Sensitivity: Internal (C3)

Company : HYUNDAI HEAVY IND. LTD. CO

Position : Commissioning Engineer (Instrumentation & Control)

Project : ALDUR-IWPP (Al-DUR water & power plant) Kingdom of Bahrain)

Duration : Nov-2009 to Nov -2011

- **Project pre commissioning & commissioning Demi west water system ,cooling tower sea water intake supply pump, Heat exchanger, knock out drum, filter separator Dew point heater, Mew heater, PRV station, chlorination system, fire co2 system, Cable trench sum pump, west water sum pump, steam turbine, gas turbine, HRSG system, Flair system, HP/LP compressor BSDG set**
- I independently handle instrument maintenance & solve problems after trouble shooting. Also, its well control on DCS System & loop checking.
- Commissioning of Radar level Transmitters &Servo level transmitter in vessels &Tank Farms of the Refinery.
- Commissioning of Emergency shutdown valves (on-off) with PST Operation.
- Troubleshooting of Field signal problem by using Foundation Field bus
- Advanced Diagnostic Software From pepper + Fuchs.
- Breakdown & preventive maintenance of field instruments
- Testing and calibration of pressure, level, temperature, flow, instruments control valves, Vibration Sensors, Reverse Rotation Sensor and transmitters
- Commissioning of field instruments like control valves, transmitters, Motorized actuators of reputed companies like Rosemount, Enders Hauser, ABB, FCI, etc.
- Troubleshooting of Siemens PLC S7-300 MODEL which is also including Digital (I/O) module, Analog (I/O) Module, Interface module, Ethernet switch module.
- Inspection of all instrument and equipments installation as per drawing and standard.
- Inspection of all site acceptance tests conducting on site as per schedule and standards.
- Inspection of cable pulling and termination for all instrument panels and equipments.
- Inspection of Installation against applicable international codes and standards.
- Complete plan and schedule for instrument Inspection and Testing.
- Preparation of Pre-commissioning Test Procedure (PTP), Loop checking and commissioning Method statement. Provide support to the service engineer/vendor in troubleshooting, inspection/repair, design changes and modifications to the controls systems.
- All type of pump like sump pump, cable starch pump & normal Horizontal & vertical pump like loop check power & installation & commissioning, trip logic of pumps & equipment Inspection of equipment & routine checking, take fast corrective action in case of plant up sate by process parameter Instrument failure & equipment failure, Preventive & connective maintenance of all type of field Instrument Smooth start up plant & stabilization of commissioned plant, Trouble shooting of equipment.
- Also understand fire equipment FM 200 system, Co2 System, Deluge Skid system. Also, Flam Detector, Heat Detector. Gas Detector, Repair & Calibration check. Also,x analyzer, enders - Hars, TDS Analyzer, TOC
- PH Analyzer, Cl2 Analyzer, Conductivity Analyzer, DO Analyzer, Turbidity
- Checking of the vibration monitoring system Allen broadly (3500) well installation &removing vibration prob. RTD in pump drive /non-drive side
- Panel internal wiring verification & wiring of system cable from the card to Controller.

Sensitivity: Internal (C3)

Company : INDIAN PETRO CHEMICAL LTD (PANIPATH)

Position : Instrumentation Engineer (Commissioning, O&M)

Duration : Oct-2006 to Dec-2007

- Xylene processing plant -phase -1 & 2 pre-commissioning & commissioning start up furnace, air compressor, metering skid and all plant routing maintenance
- Coordination with all supervisors & technicians scheduling the inspection activities for pre-commissioning & commissioning according to plants and quality standards procedures
- Siemens S7-300 PLC & taken an additional care of Field Instrument which are connected To the Experience process knowledge system in hone well DCS system Providing guide line & instruction to the E & I team of engineering & technician to work According to P & ID Coordination with DCS vendor for making the logic of the process plant
- Organizing loop cheek team coordination with the team for day to day loop check planning to pre loop check rectification of any loop having problem training of technicians to carry out effective loop check carry out the inter lock
- Check of shut down system associated with DCS
- Maintaining a proper record for the system turn over
- Testing and calibration of pressure, level, temperature, flow, instruments control valves, Vibration Sensors, transmitters &maintain record

Company : INDIAN OIL CHEMICAL LTD (BARODA)

Position : Instrumentation Engineer (Commissioning, O&M)

Duration : Oct-2004 to Sept-2006

- Commissioning of field instruments like control valves, transmitters, Motorized actuators of reputed companies like Honeywell rose mount Endress + Hauser,
- Troubleshooting of Siemens PLC S7-300 MODEL which is also including Digital (I/O) module, Analog (I/O) Module, Interface module, Ethernet switch module.
- Inspection of all instrument and equipments installation as per drawing and standard.
- Inspection of cable pulling and termination for all instrument panels and equipments.
- Inspection of Installation against applicable international codes and standards. Complete plan and schedule for instrument Inspection and Testing.
- Preparation of Pre-commissioning Test Procedure (PTP), Loop checking and commissioning Method statement. Provide support to the service
- Engineer/vendor in troubleshooting, inspection/repair, design changes and modifications to the controls systems.
- Also, analyzer, enders- Hares, TDS Analyzer, TOC Analyzer, PH Analyzer, Cl2 Analyzer.
- Breakdown & preventive maintenance of field instruments

Company : INDIAN PETRO CHEMICAL LTD (BARODA)

Position : Commissioning Engineer (Instrumentation & Control)

Duration : April-2000 to Aug-2004

- Pre commissioning &commissioning activity on wind range of pneumatic & electronics instrument in different field Cold type & Hot type loop checking through DCS power Energized & function checking also as drawing PID & logic checking & malfunction checking with logic diagram
- Organizing loop check team coordination with the team for day to day loop Check planning to pre loop check rectification of any loop having problem training of technician to carry out effective loop check carry out the inter lock check of shut down system associated with DCS

Sensitivity: Internal (C3)

- Maintaining a proper record for the system turn over
- Working with Siemens PLCS7-300
- Maintenance &installation of solenoid calibration & control valve Air/open Air/close valve positioned fisher &Honeywell, viable
- Loop checking and commissioning Method statement. Provide support to the service engineer/vendor in troubleshooting, inspection/repair, design changes and modifications to the controls systems.
- Also understand fire equipment FM 200 system, Co2 System, Deluge Skid system. Also, Flame Detector, Heat Detector. Gas Detector, Repair & Calibration check. Also, analyzer, enders-Hares, TDS Analyzer, TOC Analyzer, PH Analyzer, Cl2 Analyzer, Conductivity Analyzer, DO Analyzer, Turbidity Analyzer.

Role : Maintenance Engineer

- Maintenance of instruments installation for periodic preventive & breakdown maintenance
- Working with Siemens PLCS7-300
- Performing preventive maintenance for all the field instruments periodically
- Enter the reports for the break down for the analysis in SAP
- Platform Hard Wired logic & controller programming
- Role cable scheduling & panel termination
- Designing & Commissioning of safety interlock for motor, Drivers & Control valves
- Vibration monitoring system of cooling Fan for the cooling tower & motor NDA/DA side
- Maintenance for the analyzer for CL2.DO. PH, TDS, CONDUCTIVE, Also F&G FM200, Open path gas Detector, IR Detector, DSI, DSO, DGC, DHE, DMC
- Also control valve, mill-2000, fisher dvc600 Demla valve, Hydraulic valve, Mov Rotors
- Mass flow meter fisher, Rosemount, Endress +Hars Electromagnetic flow meter Rhone

THANKING YOU

Best Regards,

BHARAT J AGEJA

E&I Construction Section

Shuqaiq Steam Power Plant Project

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Sensitivity: Internal (C3)