

CHIRAG PAREKH

Custody Transfer Metering Specialist

Gujarat, Ahmedabad, India

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chiragparekh1221@gmail.com

PROFESSIONAL GOALS

To pursue a career in a company where my interpersonal skills can be utilized to achieve the objective of the organization & provide me with an opportunity for continuous learning.

EMPLOYMENT HISTORY

❖ **Assistant Manager Life Cycle Services COE, EMERSON PROCESS MANAGEMENT** Jan 2023 — Present
Pune, Maharashtra, India

Job Responsibility:

- primary responsibility is to achieve the POR every month, which is committed to the management.
- Working as project manager and leading spares execution team.
- Preparation of PRs, PIRs, MDAs, and Invoicing follow-ups.
- Coordinating with Interco World Areas and different suppliers/factories on updates, follow-ups.

❖ **Deputy Manager Instrumentation (O & M), H-Energy Limited** Feb 2022 — Dec 2022
Guhagar, Ratnagiri, Maharashtra, India

Reason to change: The residence location lacks medical facilities.

Job Responsibility:

- as Area Authority/in charge of the Receipt Terminal and SV-stations. Handling the Metering Skid, Filtration Skid, and Pressure Reduction Skid of the custody transfer system, as well as coordination with the customer for reconciliation of daily custody metering.
- Responsible for overall activities like civil, electrical, mechanical, operations, or maintenance are undertaken in a safe and environmentally correct manner and to strive for zero accidents and near misses. Manage operations in compliance with the company's policies and procedures.
- To review and provide approval for the permit-to-work system as area authority after meeting the quality and safety standards set down by the company's HSE policy.
- prepare and present daily and other operational reports to the head of the department when requested.
- Responsible for the operation of all incoming and outgoing materials to/from the terminal.
- carried out the instrument maintenance jobs daily as a performing authority and coordinated with the main control room for any routine or unplanned activities.

❖ **Senior Technician for Calibration of Instruments, Bureau Veritas Ltd (Lukoil Middle East Ltd)** May 2019 — Mar 2021
Basrah, Iraq

Job Responsibility:

- maintenance and calibration by comparing support equipment to calibration standards of greater accuracy to detect variations from performance specifications.
- Performed automated calibrations using Beamex MC5 and MC5 IS with CMX metrology software Also generated calibration certificates from CMX software for further submission to the Lab supervisor and 3rd Party engineer.
- Performed preventative and corrective maintenance of test apparatus and peripheral equipment like DP Transmitter Temperature Transmitter, Pressure Transmitter, Pressure gauge, Temperature gauge, DP Gauge, PSVs, and TSVs of various ranges using Beamex MC5 workbench.
- Repaired, adjusted, aligned, or trimmed to bring out-of-specification items to within specified limits as per Lukoil Middle East calibration procedures.

- Hands-on experience on Fluke dead weight tester, Beamex & Ametek Hydraulic pressure pumps from 0 to 1000 BarG, Beamex Pneumatic pressure pumps from 0 to 140 Barg and Beamex vacuum pumps from -1 to 0 Bar.
- Scheduled all on-site and calibration services and inter-laboratory calibration events before the expiration of support equipment.
- Consistently exceeded expectations and provided reliable support to Lukoil Middle East customers i.e. Clusters, Fire and gas, Gas Turbine Power Plant, process team Oil, and water treatment on time.
- Coordinated routine and emergency repairs and service, supporting the largest equipment density of all technicians located at this site, supporting over 1400 annual calibrations.
- Composed and edited countless Excel spreadsheets for collecting and computing calibration data utilizing manufacturers 's specifications and calculated measurement uncertainties when applicable.
- Provided prompt and thorough technical guidance to junior technicians.
- Maintained close collaboration with Quality Assurance to ensure absolute policy compliance in testing and data collection.
- Maintained strict adherence to safety policies regarding personnel and equipment.
- Completed balance and pipette training for new hires and interns on site and off customer's sites.
- Perform all job functions and responsibilities safely and responsibly.

❖ **Senior Metering Engineer, Petroserv Controls & Communications** Dec 2017 — May 2019
W.L.L. Doha, Qatar

- **Work site: Qatar Petroleum (Mesaied, Doha, Dukhan & Ras Laffan) :**

Project-1:

5 Years Maintenance project at Qatar Petroleum GDS Stations (Mesaied , Doha & Ras Laffan)

Job Responsibility:

- Worked with safety and PTW procedures and was involved in Metering jobs like Validation, Series validation, USM Diagnostic check, Ultrasonic zero check, ADC check, Flow computer configuration check, also Instrument like DP Transmitter, Temperature Transmitter, and Pressure Transmitter calibration.
- Schedule submission to the customer (Qatar Petroleum) of visits i.e. Weekly, Monthly, Quarterly, Yearly, Approval, Coordination with various OEMs i.e. Honeywell Elster, Daniel Emerson, Krohne, ABB & Sick Mehaik, Flow sic, and also regarding Breakdown and Maintenance service.
- preparations of all visit reports like PT, TT, DPT, Zero check, Series Validation, Speed of Sound, ADC check, also submission to customer for approval and further process. Flowmeter assessment project at Dukhan Qatar Petroleum Oil fields:
- Worked with safety and PTW procedure and worked as data collector for various flowmeters i.e. Orifice plate, Turbine meter, Ultrasonic meter, Coriolis meter, Vortex flowmeter, Venturi meter & Magnetic flowmeter to calculate the uncertainty for Oil, Water & Gas Allocation, Custody /Royalty transfer, Flare gas & well test systems.

Project-2:

Flowmeter assessment project at Dukhan Qatar Petroleum Oil fields:

- Responsible for managing safety and PTW procedures as well as collecting data from various flowmeters, including Orifice plate, Turbine meter, Ultrasonic meter, Coriolis meter, Vortex flowmeter, Venturi meter, and magnetic flowmeter to calculate the uncertainty for Oil, Water and gas Allocation, Custody / Royalty Transfer, Flare gas & well test.

TURBINE METERS:

- Application: 2-inch & 3-inch size Turbine meters are used to inject the produced water into the Oil wells. Searching of each well through maps provided by QP and visit to collect the details.
- Communicate with Cameroon Scanner M2000 MC-II & MC-III, Nuflo MC-III with software MC-II & MC-III and collect calculation data, Upstream & Downstream Pipe measurement, PT, TT reading, etc. as per API MPMS Ch. 18.2. Preparation of reports of each flowmeter.

ORIFICE METERS:

- 3 Inch to 24 Inch Daniel / Emerson make, PIKO FMC make Orifice plates (Simplex & Senior) used in various applications like
 1. Measure the Gas flow from wells to Production stations.
 2. Crude oil calculation from wells to the production station.
 3. Injection of Gas and water into the wells.
 4. Gas lift manifolds.

- Removal of Orifice plates, check the Roughness by using a Roughness tester, Flatness by using the straight gauge, Bevel Angle, Orifice Thickness, Orifice Bore diameter, Orifice bore thickness by Vernier calipers, record information like Upstream and downstream measurements, PT, TT & DPT readings, ranges, Tapping of Transmitters & Thermowell / RTD etc as per ISO-5167, AGA-3, API-MPMS Ch 14.3.2.

ULTRASONIC FLOWMETERS:

- 26 Inch to 42 Inch Instromet & Fluenta make Ultrasonic Flowmeter used to calculate the Flare gas.
- Fluenta: 130 & 160 series flowmeter communication established with Softflow software, calculate Speed of Sound, measurement of Upstream and downstream spool piece, PT, TT Readings, Ranges, etc as per QPMG.
- Instromet & GE Sensing 868 series flowmeter communication established with Softflow software, calculate Speed of Sound, measurement of Upstream and downstream spool piece, PT, TT Readings, Ranges, etc as per QPMG.

❖ **Field Service Engineer Custody Transfer Metering, Emerson Process Management (Daniel Measurement Solutions Pvt Ltd)**

Mar 2014 — Nov 2017
Vadodara, Gujarat, India

- Location: Vadodara, Gujarat, India.
- Position: Field Service Engineer (Custody Transfer Metering).
- Duration: From 03/03/2014 to 30/11/2017.
- Worksite: Maharashtra & Goa Region & Central Region in India Onshore & Offshore
- Company manufacture: Custody Transfer Metering skids for Oil and gas.

Job Responsibilities:

- Commissioning of various Flow Computers like Flowboss S600 & S600+ for which made configuration, modifications & programming of it as per customer required applications.
- Modbus, RS232, RS422, RS485, Ethernet & Modem communication
- Commissioning and service of Orifice, Turbine, Ultrasonic Flow Meters, and Mass Flow meter for Gas, Liquid & LPG Flow Measurement, and gas Chromatograph.
- Carried out Annual Maintenance Contracts (Preventive, Periodic Service, Validation, Calibration, etc.) of Flow meters, Flow Computers, GC, PRS, and Control Valves at various customers like GSPL, GSPC, GAIL, ONGC, IOCL, MGL, MNGL, RELIANCE, ESSAR, RGPPL, PLL & ONGC OFFSHORE (Bombay High), etc.
- Flow Computational Checks of Flow Computer for Orifice, Turbine & Ultrasonic Metering System as per AGA-3, AGA-7 & AGA-8 AGA-9, AGA-10 Standards and Validation of Gas Chromatograph as per ISO-6976, GPA-2172 & AGA-5 Standards using Kelton software and excel as well.

Involved in solely commissioning activities in the below sites:

- Daniel make Gas USM-based custody metering system Metering commissioning with online Gas Chromatograph & S600 +Flow Computer in April 2014. Zuari Agro Chemicals Limited Goa, India.
- Daniel make Senior Orifice-based PRS, Filtration and metering system commissioning with Flow boss S600+ FC, HMI in June 2014. IOCL, Panipat, India.
- Daniel make Liquid USM Commissioning with Omni 8000 Flow computer in July 2014. Liquid (Crude) Metering at IOCL, Panipat, India.
- Daniel make Gas USM metering system for custody transfer Metering commissioning with online Gas Chromatograph & S600 +Flow Computer in August 2014 at GAIL RCF, Mumbai, India.
- Daniel make a Gas USM metering system for Custody Transfer & non-Custody Transfer Metering commissioning with an online Gas Chromatograph in October 2014 at PLL, Dahej, India.
- Daniel make Gas USM 4 no's of PRS, Filtration & Metering system for Custody Transfer Metering system commissioning with online Gas Chromatograph, HMI from December 2014 – February 2015 at ONGC Uran & Trombay, Mumbai India
- Commissioning of writing online Gas data to flow computers through GSM modem from HMI at various locations during April 2015 at GAIL Ramnadi & Karaikal, India
- Daniel makes Gas USM metering system for custody transfer Metering commissioning with online Gas Chromatograph & S600 +Flow Computer in February 2015 at GAIL Trombay Mumbai, India
- Daniel makes Gas USM metering system for custody transfer Metering commissioning with online Gas Chromatograph and S600 +Flow Computer, HMI in March 2016 at GAIL Wadala Mumbai, India
- Daniel make a Gas USM metering system for check metering commissioning with S600 Flow Computer in October 2016 at GAIL SV-20, Hajimalangvadi Mumbai, India.
- Micromotion make a Mass flow metering system for custody transfer Metering commissioning with S600 +Flow Computers and HMI in March 2017 of Liquid Ethane Metering at Reliance Dahej, Gujarat, India.
- Micromotion make Mass flow metering system for custody transfer Metering commissioning with S600 +Flow Computers and HMI in March -April 2017 of Ethylene, Hydrogen, N-butane, Saturated Gas, Unsaturated Gas Metering at Reliance Jamnagar, Gujarat, India.

- Micromotion make Mass flow metering system for custody transfer Metering commissioning with S600 +Flow Computers and HMI in April-May 2017 of Clean Shift Syn Gas at Reliance Jamnagar, Gujarat, India
- Daniel make Ultrasonic Flowmeter Volume flow metering system for custody transfer Metering commissioning with S600 +Flow Computers and HMI in May-June 2017 at Methanol Liquid Metering at Reliance Jamnagar, Gujarat, India.
- Daniel makes Ultrasonic Flowmeter Volume flow metering system for custody transfer Metering commissioning with an S600 Flow Computer and HMI in June-July 2017 for Natural Gas Metering at Reliance Jamnagar, Gujarat, India.
- Micromotion make Mass flow metering system for custody transfer Metering commissioning with S600 +Flow Computers and HMI in October 2017 of Liquid Propane Metering at Reliance Dahej, Gujarat, India.
- Daniel makes an Ultrasonic Flowmeter Volume flow metering system for custody transfer Metering commissioning with an S600 +Flow Computer and HMI in April-May 2017 of Clean Shift Syn Gas at Reliance Jamnagar, Gujarat, India.
- Daniel makes Ultrasonic Flowmeter Volume flow metering system for custody transfer Metering commissioning with S600 +Flow Computers and HMI in May-June 2017 at Methanol Liquid Metering at Reliance Jamnagar, Gujarat, India.
- Daniel makes Ultrasonic Flowmeter Volume flow metering system for custody transfer Metering commissioning with an S600 Flow Computer and HMI in June-July 2017 of Natural Gas Metering at Reliance Jamnagar, Gujarat, India.
- Micromotion make a Mass flow metering system for custody transfer Metering commissioning with S600 +Flow Computers and HMI in October 2017 of Liquid Propane Metering at Reliance Dahej, Gujarat, India.
- Daniel make an Ultrasonic Flowmeter Volume flow metering system for custody transfer Metering commissioning with an S600 Flow Computer and GC in November- 2017 of Natural Gas Metering GSPL Kalol, Gujarat, India.

❖ Project Engineer , Apex Automation Pvt Ltd. (RAS DIVISION EMERSON PROCESS MANAGMENT)

Dec 2012 — Mar 2014
Ahmedabad, Gujarat, India

- Location: Ahmedabad, Gujarat, India.
- Position: Project Engineer (Custody Transfer Metering)
- Duration: From: 01/12/2012 to 10/02/2014
- Worksite: Wherever the sites in India
- Company manufacture: Custody Transfer Flow computer for Oil & Gas

Job Responsibility:

- During this period, I have been involved in the following types of projects & designing of PLC & HMI Based Control Panels, P&ID Drawings, FDS and Electrical and general Arrangement Drawings of Control Panels,
 - Installation, Commissioning, and wiring of instruments for the Remote Flow Computers Flowboss 103,107,407,503,506. , Bristol Babcock Flow Computers, GFC-series, Micro series, Teleflow series FC's, ROC-800.
 - hands-on experience on Dial-up, GPRS & GSM Modems, and testing software like Modbus Simulator, Modscan, Modbus TCP, etc.
 - Carried Annual Maintenance Contracts (Preventive, Periodic Service, Validation, Calibration, etc.) of Flow Computers on various occasions for customers like GSPL, GSPC, GAIL, ONGC, IGL, Avantika Gas Ltd IN PAN India.
 - Involved in Flow Computer commissioning in the below sites:
1. Engineering and commissioning of Flowboss 107 FC with GSM modem in January 2013.Natural Gas Metering GAIL Kadi, Kalol, India •
 2. Engineering & Commissioning of Bristol Babcock GFC FC with GSM modem at multiple locations in May 2013 of Natural Gas Metering at Delhi & NCR, India

❖ Training Instructor, SAATHI AUTOMATION PVT LTD

Jul 2011 — Nov 2012
Rajkot

- Location: Rajkot, Gujarat, India
- Position: Training Instructor
- Duration: From 01/07/2011 to 01/11/2012
- Worksite: Rajkot, Gujarat, India
- Company manufacture: PLC, DCS & SCADA Automation classes
- Worked as Automation Engineer Faculty
- During this period, I worked as faculty of PLC like Allen Bradley, Delta, Schidler, Siemens PLC Wonderware Intouch SCADA

EDUCATION

❖ **Government Engineering College (Saurashtra University)** Jun 2008 — Jun 2011
Degree in Instrumentation & Control Engineering Rajkot

❖ **Christ Polytechnic Institute (Technical Examinations Board, Gandhinagar)** Dec 2005 — Jun 2008
Diploma in Instrumentation & Control Rajkot

SKILLS

Decision Making	Expert	Flow Measurement	Expert
Microsoft Excel	Expert	Communications	Expert
Effective Time Management	Expert	Corrective Maintenance	Expert
Ability to Multitask	Expert	Customer Support	Expert
Fast Learner	Expert	Planning	Expert
Time Management	Expert	Progress Monitoring	Expert
Ability to Work Under Pressure	Expert	Calibration	Expert
Communication Skills	Expert	Instrumentation	Expert
Ability to Work in a Team	Expert	Project Coordination	Expert
Leadership	Expert	Project Management	Expert
Commissioning	Expert	Technical Support	Expert

LANGUAGES KNOWN

Gujarati Hindi
English

HOBBIES

Photography
Cooking
Indoor games i.e. Chess & Carrom board
Playing Video games

❖ **Personal Details** Ahmedabad

Father's Name: PAREKH KIRTIBHAI JAYANTILAL

Permanent Address: AHMEDABAD

Date of Birth: 21st DECEMBER 1985

Nationality/Gender: Indian/male

Family Status: Married

Passport No. : Z3317946

Passport Validity: 04/10/2025

Notice period: 90 Days

Vaccine: Covishield (2 Doses)

Addhar Number:9036 5030 6169