

RESUME

NAME: NILESH PRAHLADBHAI PATEL

PERMENAT ADDRESS: B-19 GARDEN –CITY, VALIYA ROAD, GIDC CITY-
ANKLESHWAR, DIST- BHARUCH STATE-
GUJARAT , COUNTRY-INDIA
PIN CODE-393002



CONTACT NO: (INDIA)+91 9638286891,

SKYPEE ID: nilu2782

E-MAIL: nilu2782@gmail.com

CURRENT LOCATION: INDIA

BIRTHDAYNATIONALITY: 27/8/1982

MARITIAL STATUS: MARRIED

PASSPORT NO. Z3787061

PASSPORT VALIDITY: 25 SEPTEMBER 2026

AGE : 39

TOTAL EXPERIENCE: 19 YEARS

CURRENT SALARY: 7.46 lakhs P.A

EDUCATION : M.SC ORGANIC CHEMISTRYFIRST CLASS

NOTICE PERIOD: 1 MONTH

CAREER OBJECTIVE

EXAMINATION PASSED	BOARD/ UNIVERSITY	YEAR OF PASSING	CLASS/ GRADE	PERCENTAGE
M.Sc.	H.N.G.U.	March 2005	1 st	62%
B.Sc.	V.N.S.G.U.	March 2003	2 nd	54%
H.S.C.	G.H.S.E.B.	March 2000	2 nd	43%
S.S.C.	G.S.E.B.	March 1998	1 st	65%

WORK EXPERIENCE

Name of company	Plant	Duration	Designation
Finorchem limited	Main plant	15 January 2024 to till date	Production officer
Dangote Refinery Nigeria	M.H.C HYDROCRACKER	1 st August 2023 to 25 December 2023	Senior field operator
KNPC, KUWAIT	ARDS	17 June 2019 to 31st July 2023	Field operator
Reliance Industries Limited, Jamnagar	HYDROCRACKER, DHDS, NHT	15 May 2013 to 16 June 2019	Deputy Field executive
Atul Limited, Valsad	SHED-B	1 st June 2011 to 13 th may 2013	Shift incharge
UPL 2, Ankleshwar	Acephate, phorate, devrinol	4 th Dec 2009 to 30 th may 2011	Field executive
Gopsi Limited, Ankleshwar	PNBB	1 st Sept. 2005 to 3 rd Dec. 2009	Field executive

FINORCHEM LIMITED ANKLESHWAR PANOLI

Working as a production officer in main plant

DANGOTE , NIGERIA

Worked as a Senior Field Operator in M.H.C HYDROCRACKER Unit
Refinery capacity 6, 50,000 B.P.D

KNPC , KUWAIT

KNPC- KUWAIT REFINERY MINA-ABDULLAH, Worked as a field operator in ARDS PLANT, Total in this ARDS 6 SHUTDOWN COMPLETED WITH SAFETY & NORMAL STRAT-UP PLANT,

Total 17 YEARS EXPERIENCE & TOTAL 15 SHUTDOWN completed with SAFETY & AS PER STANDARD OPERATION PROCEDURE , Always followed SAFETY RULES & MANAGER INSTRUCTIONS WITH TEAM WORK, TOTAL FIVE AWARD ALSO GIVEN BY COMPANY FOR SAFETY COMPETITION & PLANT RELATED EXCELLENT SUGGESTIONS,

RELIANCE INDUSTRIES LTD,JAMNAGAR REFINARY COMPLEX:

Reliance's Jamnagar manufacturing complex is the first fully integrated manufacturing complex in the world to house a petroleum refinery complex, an aromatic/ petrochemical complex, a power generation complex, a port & terminal complex and a pipeline network.

This being the world's largest grass root refinery has enhanced the crude processing capacity from original 450 KBPSD to present 650 KBPSD in various stages.

Units are based on Technology of M/s UOP, EXXON MOBIL, KBR and detail Engineering by BECHTEL. **Distributed control system (DCS) for Refinery is of Foxboro I/A series 51** and is capable of plant wide automation with new field foundation technology.

I am worked as a FIELD EXECUTIVE in CFP PLANT RELIANCE INDUSTRIES LTD JAMNAGAR FROM MAY 2013 to 16 June 2019, total 15.5 years experience in NEPHTHA HYDROTREATOR PLANT, OTHER UNIT EXPERIENCE ALSO IN DIESEL HYDROTREATING PLANT & HYDROCRACKER PLANT & Cooling tower & utility department, & CHLORINE GAS, commissioning – pre commissioning activity Experience in start -up & shutdown 18 times

EMERGENCY HANDLED

- (1) TOXIC GAS LEAK **CHLORINE & H₂S** HANDLING WEAR WITH SCBA
- (2) HYDROGEN GAS LEAK IN COMPRESSOR HYDROTREATOR PLANT
- (3) DIESEL HEAT-EXCHANGER LEAK & FIRE, FIRE-FIGHTING WITH FIRE MONITOR & WEAR ALUMINIUM SUIT IN HYDROCRACKER PLANT
- (4) POWER TRIP & POWER DIP HANDLING IN HYDROCRACKER & HYDROTREATOR PLANT

RELIANCE PLANT HANDLED (CFP PLANT)

- (1) NEPHTHA HYDROTREATOR (NHT),
- (2) DIESEL HYDROTREATOR (DHT),
- (3) HYDROCRACKER,
- (4) GASOLINE HYDROTREATOR
- (5) 12 MW RECIPROCATING HYDROGEN COMPRESSOR),
- (6) COOLING TOWER,
- (5) UTILITY DEPARTMENT
- 7) CHLORINE

- Reliance industries ltd jamnagar working as a field executive
- HYDROGEN - 175000 NM/HR FLOW, 70 KG PRESSURE, 12 M/W 3 STAGE RECIPROCATING

HYDROGEN GAS COMPRESSOR

HYDROCRACKER plant , having 60 kbpsd capacity

- **NEPHTHA HYDROTREATOR UNIT having a capacity 64 kbpsd.**
- **NAPHTHA HYDROTREATOR GASOLINE HYDROTREATOR, DIESEL HYDROTREATOR, Reliance Industries Limited, Jamnagar Working GASOLINE NAPHTHA HYDROTREATOR**

UNIT, TRAINING GIVEN TO ALL NEW FIELD OPERATOR

- **NHDS Unit having a capacity of 103000 BPSD of one trains to achieve 98% Desulfurization and 70% De-nitrification and in Unit having a Capacity of 131000 BPSD of IN One trains to achieve 99.9% Desulfurisation and 99.9% Gentrification is designed by EMRE/KBR, USA and detail engineering of BECHTEL.**

- **CHLORINE PLANT & COOLING TOWER & UTILITY PLANT HANDLED,**

- **HOT OIL , LEAN AMINE , WASH WATER , LP CONDENSATE THIS ALL UTILITIES ARE THROUGH PUMP FOR ALL PLANT REQUIREMENT**

JOB RESPONSIBILITY & KNOWLEDGE:

- Continues working with PTW & follow standard operating procedure with **SAFETY norms & KNOWLEDGE ABOUT ALL PLANT RELATED HAZARD** follow, in field by taking round at regular intervals & written logbook maintain all record of plant equipment during field.
- **leakage handling very well with SCBA (SELF CONTAIN BREATHING APPARATUS) & BA MASK**
- Coordination with mechanical, Electrical & instrument department for calibration and **preventive maintenance (P.M)** & follow valid **WORK PERMIT**
- **Monitoring the smooth and safe operation & FOLLOW CHECKLIST of rotating equipment like COMPRESSOR, PUMP, HEATER ETC**
- **FOLLOW DCS INSTRUCTION IN FIELD AS PER EMERGENCY & REGULAR BASIS** ○ **I have an experience of start up and normal shutdown of the unit successfully.**
- **I have also tackled emergencies successfully in several times.**
- I have knowledge of basic computer.
- As a Refinery Panel cum Field Executive responsible for following activities as under:
- Collect routine & non routine sample, good housekeeping, maintain document of environmental & safety & fire instrument check list regulation
- **Pump & compressor & psv & stem trap, preventive maintenance, regularly change over, start up & shutdown with standard operating procedure & with work of valid work permit**
- **Reporting to MANAGER & panel operator & follow all instruction & work**

○ Keep record of new equipments and Lines erection. Inspection of equipments as per GA drawings.
○ Checking loop by ISOMETRIC Drawings and match with P & ID and List out mismatch. Leak testing and hydro-testing of new lines.
○ Flushing, cleaning of new lines by means of air, water and Card board blasting, Steam Blowing etc.
○ Loop checking, ESD checking from field to DCS.
- **PLANT EQUIPMENT HANDLED:**

- (1) **Pump:** Charge Pump Multi stage Centrifugal pump Supplied by KEPL which has 500m³/hr Capacity.
- (2) **Product Pump:** Double stage **centrifugal pump** Supplied by SULZER which has 932m³/hr Capacity.
- (3) **Compressor:** WORLD LARGEST COMPRESSOR RECIPROCATING THREE STAGE.
The Recycle Gas Compressor is Thomason International Make motor driven three stage double acting reciprocating **Compressor which has 198000 nm³/hr capacities.**

HYDROGEN COMPRESSOR 12 MEGAWATT IN GASOLINE HYDROTREATING UNIT:

- (4) **Furnace (HEATER):** In Diesel Hydrotreater Unit Basics Engineering for **HEATER** is done by uop and detailed design is done by **Heurtey Petroleum Engineering**
 - Diesel Hydrotreater Unit is provided with one Vertical Cylindrical type Combined feed heater. Total Heat Release capacity: 25.75MMKcal/hr.

- In DHDS Unit Basics Engineering for heater is done by EMRE/KBR and detailed design is done by Heurtey Petroleum Engineering.
- DHDS Unit is provided with two twin cell, double fired horizontal box Radiant with horizontal convection section type Reactor feed Heater. Total Heat Release capacity is 21.48 MMKcal/hr .
- Cylinder type two cell hot oil heater

(5) Column:

- Recycle Gas Scrubber in Butane, Diesel Hydrotreator& DHDS Unit:
Recycle Gas Scrubber is used to remove H₂S from the recycle Gas and increase Hydrogen partial pressure in the reactor.
- **Stripper:**
 - Diesel Hydrotreator& DHDS unit are provided Stripper. Stripper steam is provided to strip off H₂S and lighter components from the Stripper bottom product. R
 - **Product Dryer:**
 - Dryer is use to remove moisture from the product. It is operated under Vacuum using ejector.
- **Fractionater column:**
 - In LCO Hydrocracker unit Product Fractionater is a vertical Vessel operating above the atmospheric pressure. It separates the gases, Light Naphtha, Heavy Naphtha, Heavy Heavy Naphtha & ULSD Diesel with less than 8 ppm present in the column Feed.

(6) Reactor:

- **GASOLINE Reactor consists Co/Mo & Ni/Mo catalyst, PROCESS PRESSURE- 24.4 KG,**
- **PROCESS TEMPRATURE-283 C**
- **SYSTEM PRESSURE- 17 KG FOR GASOLINE NAPHTHA & DIESEL NAPHTHA 68.7 KG**

Safety Device:

- | | |
|--------------------------------|---|
| 1. Emergency shut down valve. | 7.Flammable Gas Detector, Fire Detector |
| 2. Repture Disc. | 8.Heat Detector |
| 3. Fire & Gas detection system | 9.Mannual call point |
| 4. Toxic Gas detector | 10. Deluge system |
| 5. Hydrogen Gas detector | 11. Fire monitor & Hydrants |
| 6. Ionization Gas detector | 12. Safety shower |

FIRE & SAFETY TRAINING UNDERGONE:

- **Fire fighting & basic plant safety at RELIANCE, Jamnagar Refinery Complex.**
- **Like HYDROCARBON LEAK & FIRE, TOXIC GAS LEAK.**

REACTION OF CHEMICAL HANDLED

Desulphurization, Denitrification, Chlorination, brominating, sulphonation, oxidation, reduction, hydrogenation,

KNOWLEDGE & SKILLS & ACHIEVEMENTS:-

- Individual taking charge in Field. HYDROCRACKER & Hydrotreater plant
- Knowledge of Permit to Work system. Standard Operating Procedures.
- Knowledge of Process & Instrumentation Diagram (P&ID), Isometric Drawings and General Arrangement (GA) drawing.
- Knowledge of safely Start up, Shutdown and Emergency shutdown of Unit.
- Knowledge of Pre-Commissioning & commissioning activities of new Unit.
- Knowledge of Fire and Gas system. Fire fighting equipments
- Knowledge of use of Personal Protective Equipments.
- Knowledge of DCS Panel of Foxboro series-50/51.
- I had found five near missed in the plant to avoid major accident as well as Breakdown of the plant. (HYDROCARBON LEAK & HYDROGEN LEAK in RECIPROCATING COMPRESSOR RELATED.)
- I have got 5 Appreciation letter from the RELIANCE SAFETY DAY for best operation management system poster award 2014 & 2015 & 2016 & 2017 & 2018 and , I have got third prize for SCBA (SELF CONTAIN BREATHING APARTS

TRAINING TAKEN:-

- Process Modules containing Basic operations of Refinery, Unit Operation & Unit Process, Minor maintenance work.
- Fire & Gas Detection system, Live fire fighting & Use of personal protective equipments.
- Pre Incident Planning Assessment (PIPA), Major Emergency Management Plant (MEMP)
- Handling of Hazardous chemicals, Control of Substance Hazardous to Health (COSHH), Change Agent for Safety and Health (CASH)
- Permit to Work Procedures, Hazard Identification and Risk Assessment (HIRA).
- Basic First Aid, Health Safety and Fire.
- Saved the running unit from shut down by finding out problem in emergency and handled that emergency in only tow min. that was the historical emergency in our RIL & RPL complex which I have safely handled.
- ISO 2000-2002 (Quality), ISO-14001 (Environment) and ISO 18001 (Occupational Health and Safety Assessment Series) awareness.
- Safe start up and Shutdown of Unit. Standard Operating Procedures.

EQUIPMENT HANDLED:-

- Process Modules containing Basic operations of Refinery, Unit Operation & Unit Process, Minor maintenance work.
- Fire & Gas Detection system, Live fire fighting & Use of personal protective equipments.
- Pre Incident Planning Assessment (PIPA), Major Emergency Management Plant(MEMP)
- Handling of Hazardous chemicals, Control of Substance Hazardous to Health (COSHH), Change Agent for Safety and Health (CASH)
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- Safe start up and Shutdown of Unit. Standard Operating Procedures.

TRAINING TO BE GIVEN TO ALL FIELD OPERATOR FOR PROCESS & WORK PERMIT SYSTEM, PLANT EMERGENCY& ALL SITUATION, LIKE FIRE , TOXIC GAS LEAK, HYDROCARBON LEAK, STEAM LEAK, SCBA WEARING IN TOXIC GAS LEAK SITUATION, ESCAPE SET WEARING IM EMERGENCY, ALUMINIUM SUIT WEARING ON FIRE CASE,

- **Safety winner in reliance JAMNAGAR**
- **I had found Three Near Misses in the plant to avoid major accident as well As Breakdown of the plant. (HYDROCARBON LEAK & HYDROGEN LEAK in RECIPROCATING COMPRESSOR RELATED)**
- **I have got 5 Appreciation letter from the RELIANCE SAFETY DAY for best operation management system poster award 2014 & 2015 & 2016 & 2017 & 2018 and, I have got third prise for SCBA(SELF CONTAIN BREATHING APARTS).**

SALARY: 7.46 lakhs P.A
EXPECTED SALARY: **COMPANY NORMS**
CURRENT LOCATION: **GUJARAT, INDIA.**

NOTICE PERIOD: **1 Month**

Thanks & regards,

NILESHPATEL,

MOBILE NO- INDIA +91 9638286891 (Whatsapp)