

**NEERAJ KUMAR**  
**Senior Instrumentation Engineer (Project & Design)**  
**Experiences – 5 Years**

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### Personal Profile:

### Present address:-

Karaikal , Puducherry

### Residential

B-55

DDA Flat, Bindapur  
 Uttamnagar , New Delhi  
 110059

&

Village- Chandauli ,  
 Post-Chainpur ,P.S-  
 Goreakothi,

Dist-Siwan,Bihar,

Pin-841439

### Personal Data:

Date of Birth :10/07/1993

Gender : Male

Marital Status : Single

Nationality : Indian

### Languages Known:

Hindi

English

### PASSPORT NO:

M3309571

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EXPIRY-

12/11/2024

### **Position wanted** – Senior Engineer Instrumentation/ Project & design/Commissioning

✓ Type of Employment wanted: Full Time

✓ Ready to relocate: Nationally / Internationally

**Area of Interest**- Power Plant, Oil & Gas, Chemical Plant, Construction, EPC & Consultancy, Manufacturing, Project engineering and Designing Companies.

### **CARRIER OBJECTIVE & SUMMARY:**

✓ Competent & diligent Instrumentation and control engineer having total 5+ years experiences of EPC project engineering in Power plant & Petroleum and Intend to build a carrier in instrumentation and its technologies to work in an environment where I can put my abilities.

✓ Now actively seeking a challenging position in Instrumentation to share my knowledge and ability. I am keen to achieve the goal for the organization in any challenging situation and willing to work as a key player in creative environment.

**Current Employer- Nuberg Engineering Limited , Noida**

**Designation- Senior Instrumentation Engineer ( Project and design)**

**From 2<sup>nd</sup> February-2019 to present**

Presently assigned project

Automation of ONGC Cauvery Asset, Karaikal (Puducherry)

Responsibility: - Project Management, Engineering, Designing ,Erection, Installation, Pre-commissioning, maintenance, commissioning and co-ordination with Vendor and Client.

### **Organizational Experience**

### **Petroleum Project**

Project Name - Terminal Automation, HPCL( Jammu,Jalandhar,Baitalpur)

Employee – Projects and developments India Limited ,Noida

Designation- Instrumentation Engineer/Project Engineer

Automation vendor –Honeywell automation India limited

Duration- May 2017 to Feb 2019

### **RESPONSIBILITY( Engineering , Designing and Commissioning)**

✓ Project Engineering, implementation procedure and preparation of instrument Index, Data Sheet, Cable Tray route, JB's, Cable & Gland schedule, Hook up, Ferruling termination, IOs list, Loop Diagram, valve and orifice sizing commissioning procedure.

✓ Proceed instrument technical data sheet and specification as per requirement and Controls the Vendor discipline & engineering.

✓ Project execution and attending weekly progress meeting with client, participating in vendor/Contractor teleconferences for queries evaluate the daily progress at site to expedite the project and direct report to AGM PDIL.

✓ Coordination with system engineer to configuration, integration & commissioning of Honeywell PLC-ML 200R, SCADA-EPKS, logic & Graphic modification, LRC, Terminal server, BCU, RADAR through CIU, Installation of industrial network, , network communications – Modbus TCP/IP, Modbus RTU as per project need and check different interface, interlock, Plant operation, ESD and reports.

✓ Support site team for Installation, loop check and Commissioning of Process PLC , Marshalling and network cabinet, UPS, RADAR, RTD, Tank side indicator, , PT,RTD, Multi & single spots Temp Sensor, Barrier gate, Traffic light, electric and hydraulic actuators, DCV, Flow metering instruments, Calibration of batch controller & other instrument, MFM, mobile Prover tanks and resolving the site queries.

✓ Control the project Quality and acceptance.

- ✓ Project execution and Commissioning of terminal as per work order, FDS, Approved Drawing , HDM
- ✓ Accomplish of the IRN and IR activities of instrument, Inspection by TPI and check the Suitability of instrument as per client requirement.
- ✓ Functional analysis of installed field Instrument, operation and terminal automation process as per Function design specification.
- ✓ Completion of Pre/Post SAT activities as well as conducting tests & inspections to ensure operational effectiveness of utilities.
- ✓ Project management services and site supervision services.
- ✓ Verification of Procured material quality as per ASTM, ANSI, API, Degree of protection as per IS 2147 and IEC 60529, earthing scheme -IS 3043, Electrical apparatus for explosive atmosphere – IEC 60079/IS 2148 and review the issued certificate by PESO/CCOE/ATEX. Stay update with industry standard and code. Suitability of instrument for Zone 0/1/2 of group II A/B/C
- ✓ Work closely with field personnel on all aspects of engineering, Installation and commissioning.
- ✓ Verification of site measurement and certification of RA bills and BOM.

## **Power Project**

**Employer- Telecon systems (I) Ltd, Noida ( BGR Energy Pvt Ltd )**

**Duration- 5<sup>TH</sup> May 2014 to 10<sup>th</sup> March 2017.**

**Project-TRN ENERGY PVT LTD , Raigarh, Chhattisgarh  
( 2X300 MW Thermal power plant )**

**Designation- Instrumentation and control engineer / Project engineer**

**Automation Vendor - ABB**

## **Responsibility (Engineering and Commissioning)**

- ✓ Assist system engineer to commission ABB symphony plus DCS, Controller BRC 400 and s+ operation with rack IO based symphony, Harmony Hardware. FBD Logic development, commissioning, software and hardware trouble shooting, Power communication controller redundancy.
- ✓ Commissioning of Project as per prepared of P&I diagram, control loop, wiring diagram, cable schedule, Tray, JB & Gland schedule, and Hook up Drawing.
- ✓ Laying C & I Cable from field to DCS in Boiler, loop check, Termination and ferruling of DCS Panel, Junction Box & instruments, MOV, Control valve according to schedule. Loop and main cable loop Testing. C & I cable termination in LT and HT MCC panel.
- ✓ Project Designing (Auto Cad) and details project engineering.
- ✓ Installation and commissioning of field instrument ( PT, TT, FT, LT, CV , MOV, switch & other )
- ✓ Assist in Operation ,Commissioning and analyze process of ID fan ,ID fan lube oil, FD fan , FD fan lube oil, LDO & HFO station, Gun ,SADC, Ignition ,flame scanner and oil station of each elevation of boiler , drum level Temperature , flow ,Main Steam line , Spray line and wall blower & long Soot blower.
- ✓ All main and loop Cable laying and commissioning of coal Mills (Feeder, losing device, lube oil, MDV, Transmitter ,RTD ,Thermocouple, MOV and control valves)
- ✓ Check the command and feedback signal from DCS and find trouble shooting.
- ✓ Managing installation and Pre commissioning as well as conducting tests & inspections to ensure operational effectiveness of utilities.
- ✓ Installation of Equipments as per established Procedure.
- ✓ Erection and fabrication of tubing.
- ✓ Calibration , Commissioning and view the functionality of below Instrument:-  
Pressure Transmitter, Flow Transmitter (DP Type), Temperature Transmitter, Level Transmitter, RTD, Thermocouple, Pressure Gauges, Temperature Gauges, control valves, Pneumatic Automated ON/OFF Valve, Pressure switch MOV

## **Familiar with these PLC Programming and SCADA designing**

\* SIEMENS:-Model: Simatic-S7 200/300

Software: Step7 Microwin / Simatic manager

- \* ALLEN BRADLEY:-Model: Micrologix 1200  
Software: RS Logix 500
- \* MITSUBISHI:-Model: FX  
Software: Melsoft Series GX Developer
- \* HONEYWEL:-SOFTMASTER (ML200R PLC)
- \* MESSUNG:-Model: NEXGEN 2000 PLUS  
Software: Codesys
- \* DELTA:-WPL SOFT
- \* L&T:- LX SOFT , Emerson – Control wave designer

### **SCADA: Designing**

- ✓ Ellipse : Ellipse SCADA
- ✓ Rockwell: RS View32
- ✓ Wonderware : Intouch

### **HMI : designing**

- ✓ 1. E –Terminal                      2. DELTA                      3. RENU

### **Education:-**

<b>MBA (Production &amp; operation and Marketing Management)</b>	<b>2019</b>	<b>Swami Vivekanand Subharati University, Meerut ,UP</b>	<b>69%</b>
<b>B.TECH ( ECE )</b>	<b>2014</b>	<b>Siwan Engineering and technical institute, Siwan, BIHAR.</b>	<b>81.20%</b>
<b>HSC</b>	<b>2010</b>	<b>Bihar school examination Board Patna</b>	<b>67.60%</b>
<b>SSC</b>	<b>2008</b>	<b>Bihar school examination Board Patna</b>	<b>69.20%</b>

### **Computer SKILLS:**

- ✓ Having knowledge of Designing software :- Auto Cad, Intools ,conval ,Lotus and Microsoft office
- ✓ Language- C & C ++
- ✓ Operating Systems: Windows XP ,7 , 8.1 , 10
- ✓ Installation of Computer system, applications, windows, software, Ethernet switch and industrial networking.

### **Personal SKILLS:**

- ✓ Good communication and interpersonal skills that are leveraged to develop effective customer relationship and strong industry network.
- ✓ Proactive focused and time management skill with optimistic approach.

### **Achievements:**

- ✓ Merit-based scholarship ,Top rank during B. Tech ,GATE Exam -2014 qualified
- ✓ Best Award by university for cultural program.
- ✓ Appreciation letter by client HPCL for providing better engineering services.

### **Declaration**

**I hereby declare that the above information is true and correct to the best of my knowledge.**

**NEERAJ KUMAR**