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# **AVIRANJANKUMAR**

**Objective:** To secure a position in a dynamic environment that involves professional challenges and provides opportunity for growth.

**Date of Birth :** 15thFeb 1982

**Nationality :** Indian

**Professional Qualification :** M. Tech (Polymer) – 2007

B. Tech (Chemical) – 2005

**Passport No. :** Z4085632

Date of issue **:**  11 April 2017

Date of expiry **:**  10 April 2027

Place of Issue **:**  Ghaziabad (India)

**Employment History :** Dangote Refinery Project**, (**Dec’15 –Till date)

Position: Asst. Process Manager

Saipem India Projects Limited (July’12 – Nov’2015)

Position: Process Engineer

Project & Development India Ltd. (Octuber’07 – June’12)

Position: Process Engineer

##### Career Summary

* Industry experience of approx. 10.7 years in Process Engineering Design.
* Experience in Basic & Detail Engineering
* Experience in ASPEN HYSYS, Flare Net ,HTRI, Pipenet
* Well Conversant with refinery process
* Co-ordination and exchange of information/ comments on documents, drawings of other departments.
* Co-ordination with DEC for engineering issues.
* Participation in 3D Model review
* Participation in HAZOP and SIL analysis

**Professional Experience**

**Dangote Refinery Project – Gurgaon**

##### Project : Dangote Refinery Project (Cap: 500,000 BPSD)

**Client :** Dangote Group

**Project Summary**

PMC Job for new refinery complex for Dangote Group, Lagos, Nigeria.

**Responsibilities**

* PMC services for RFCC Gasoline Desulphurization unit.
* Preparation of RFQ for Revamp unit.
* Review and comments on Process deliverables like PFD, P&IDs, pump hydraulics, line sizing, control valve sizing, exchanger adequacy checking.
* Review of Vendor document, Technical Bid Analysis.
* Participation In HAZOP Study
* Participation In Model Review
* Flare header adequacy check on Flare net.
* Updatiion of utility summary.
* Cooling Water Network analysis

**Saipem India Projects Limited – New Delhi Process Center**

##### Project : Jazan Gasification Project

**Client :** Saudi Aramco

**Project Summary**

Detail engineering for Gasification Process, Sour water stripper unit, Hydrogen Recovery unit.

**Responsibilities**

* Preparation of Process deliverables like PFD,P&IDs, equipment datasheets, pump hydraulics ,line sizing, control valve sizing, instrument data sheet, PSV sizing, Process control narrative, vessel size verification.

**Project :** Detail engineering for Ammonia Plant

**Client :** Dangote fertilizer, Nigeria

**Project Summary**

Detail engineering for Ammonia Plant

**Responsibilities**

* PFD, Process Description, P&ID’s,Equipment Datasheets, Equipment List , Line Sizing verification, Pump Hydraulics and Pump data sheet, control valve sizing, PSV sizing,instrument data sheet.

**Project :** Proposal work for Ras Laffan refinery

**Project Summary**

Early EPC Phase

**Responsibilities**

* Endorsement of FEED documentation.Feed document verification.

##### Project : Feed for 2200 MTPD ammonia plant based on HTAS Technology.

**Client :** CHS, Spirit wood, North Dakota, USA

**Project Summary**

Feed for 2200 MTPD Ammonia Plant and early EPC work.

**Responsibilities**

* P&ID’s, PFD, Process Description, Equipment Datasheets, Equipment List check, Line Sizing verification, Vessel &Pump Calculations

**Project & Development of India Ltd.(PDIL)**

**Project :** PMC job for Sulphur Recovery Unit

**Client :** IOCL, Mathura

**Project Summary**

PMC job for sulphur recovery unit.

**Responsibilities**

* Preparation of tender document, Bid evaluation, hook-up point finalization & preparation utility P&ID, Review of PFD, P&ID, Equipment data sheet. Participation in start-up and PGTR activity.

**Project :** PMC services for 2000 BPD Mini Refinery-II at ONGC Tatipaka**.**

**Client :** ONGC Tatipaka.

**Project Summary**

PMC services for 2000 BPD Mini Refinery having atmospheric distillation unit, vacuum distillation unit, Naphtha stabilizer unit.

**Responsibilities**

* Simulation of Atmospheric distillation unit on aspen plus and Review of PFD, P&ID, Equipment data sheet, vendor document of Vessel, Exchanger, Control valve, PSV, flare header.

**Project :** Consultancy Services for R-LNG receipt and distribution within IOCL Panipat refinery

**Client :** IOCL, Panipat Refinery.

**Project Summary**

R-LNG receipt and distribution within IOCL Panipat refinery.

**Responsibilities**

* Adequacy check report of existing network as per fuel & pressure requirement, Preparation of PFD,P&ID, Heat Exchanger design, Control Valve data sheet, PSV data sheet.

**Project :** Active participation in the Hazop Study of IOCL, Mathura**.**

**Role :** Team Member

**Responsibilities**

* Node marking on P&ID
* Participation in Hazop study
* Implementation of Hazop recommendation.
* Final Hazop report preparation.

## Qualification Details

M.Tech – Polymer (IIT, Delhi) 2005-2007 CGPA 7.16/10

B. Tech – Chemical(IET, Kanpur) 2001-2005 CGPA 8.2/10 (82%)

Intermediate – PCM(BIEC, Patna) 1998 62%

10thClass -(BSEB, Patna) 1996 69%

**(Aviranjan Kumar) Date: 11**- July-18

**Place:** Ghaziabad