RATHAN KUMAR.M.K.

No: 3, Rangan Lane,
T.Nagar, Chennai-17.

E-mail id   :rathankumarmk@gmail.com
Skype id   :rathan.kumar.mk
Contact no : 044-24313863(R), 9943050057(M),+966507498968(M)

CAREER OBJECTIVE

To secure a challenging position in an organization where I can effectively prove my technical skills and work together for the growth of the organization.

JOB EXPERIENCE

TOTAL EXPERIENCE	:	**10 YEARS IN DRY CEMENT PLANT**
1) CURRENT EMPLOYER	:	**HAIL CEMENT COMPANY,(SINOMA) HAIL, SAUDI ARABIA**
DESIGNATION	:	**INSTRUMENTATION & PLC ENGINEER**
EXPERIENCE PERIOD	:	**FROM MARCH - 2013 TO PRESENT**
2) PREVIOUS EMPLOYER	:	**THE INDIA CEMENTS LIMITED, SANKAR NAGAR, TAMIL NADU, INDIA**
DESIGNATION	:	**SENIOR ASSISTANT MANAGER (INST)**
EXPERIENCE PERIOD	:	**FROM MAY-2006 TO FEBRUARY-2013**

EDUCATIONAL QUALIFICATION

- **B.E., in Electronics and Instrumentation (2002-2006) at Raja Rajeswari Engineering College, Anna University with 73% aggregate.**

ROLES AND RESPONSIBILITIES

- **PREVENTIVE & SHUTDOWN MAINTENANCE.**
  - ➢ Scheduling all type of maintenance (i.e.) preparation of work order for kiln, raw mill, coal mill, cement mill section, CBA & X-RAY Analyzer.
  - ➢ Planning the maintenance schedules for all the Weighing systems includes Beltscale, Weigh feeders, Hopper weighing, Pfister & Poldos.
  - ➢ Maintaining Calibration Schedule & History Records for all HART device field Equipments (pressure, temperatures) which are crosschecked with standard calibrators.
  - ➢ Planning&scheduling maintenance for I/O panels,main plc,server,CAS,operator system
  - ➢ Inspection of profibus bus DP& PA cable,checking of profibus signal with Profitrac Analyser from hamonics signals.

- **DCS AUTOMATION**
  - ➢ Carrying out PLC modifications in STEP-5, SIMATIC Step 7 v5.5 (LADDER LOGIC-S7_300 plc),Siemens Micro win(S7-200),Siemens wincc flexible 2008(touch screen) &SIMATIC PCS7 v7.0 (CFC CHART).
  - ➢ Carrying out scada modification in wincc 6.2 & 7.0 like creating tags, archiving of process parameters and updating of pdl files in PCS7 server base.
  - ➢ Maintaining History record for field I/O cards and plc modification in relevant section.
  - ➢ Planning,scheluding and documentation for retrofitting of step5 plc to PCS7(400 series plc)
  - ➢ Relevant jobs are carried out in Server,CAS server,Engineering & client station (i.e.) adding on new station.
  - ➢ Maintaining the PLC back up for S7-200,300,400,HMI (Prosave)& Image files for all operator station.

- **PROJECTS**
  - ➢ Established the budget & planned for project execution and arranged the materials, manpower.
  - ➢ Preparation of project documents like clamp terminal diagrams, hook up drawing, outline of as built drawing, and assignment list for PLC.
  - ➢ Carrying out the Projects & Commissioning upgraded equipments in the relevant area.
  - ➢ Carried out project & commissioning for Hail cement company-5000 TPD for Kiln,IKN cooler,KHD cement mill in Saudi (Sinoma-CDI)

- **INVENTORY SPARES MANAGEMENT**
  - ➢ Establishing the minimum and critical spares for related section and Automation.
  - ➢ Looking after the spares follows up line item code, purchase request (PR), purchase order (PO) & good received (GR) certification.

PROJECT PROFILE

- Have worked as project member in kiln & coal mill section project for the retrofit solution at India Cements (Sankarnagar), for the existing S5 PLC to S7 400 Plc with distributed I/O's.

- Worked as Project member for complete commissioning of **Cooler ESP** with **SIEMENS PC S7 PLC**.

- Worked as Project leader for complete up gradation for **Pc Pfister Coal Feeder (Drw)** from Dpu Card Panel to latest **Csc-(Can System Controller) & Cpi-(Can Process Interface).**

- Worked as Project leader for commissioning of Newly Upgraded Transweigh Weigh feeders (Replacement of old ASEA Weigh feeders) in Raw mill Section.

- Worked as Project leader for Complete Commissioned for entire four cement mills with Transweigh feeder (TUC-06). From local to fully automation operation using **PCS7 and 414-3DP Plc** with distributed I/O's and complete scada process screen developed using Wincc (windows control centre).

- Worked as Project leader for commissioning of **EEL-Electronic Packer (Unipulse Controller)** and developed successfully the ladder logic program using **Step-7 LITE (SIEMENS) for packing area.**

- Worked as Project leader for commissioning of **kiln feed dozing valve with Rexroth Indra drive Power pack.**

- Worked as Project leader for commissioning of Newly Upgraded Transweigh (TUC-06) Weigh feeders by Replacement of old Pfister Dpu Card panel in New Cement mill section.

- Worked as project leader for commissioning of Wet fly ash system (whole unit).

- Worked as project-in-charge for commissioning (Automation) for 5000 tpd capacity Kiln, cooler, cement mill section in Hail cement company, Saudi(Sinoma-CDI) with Siemens PLC 417-H with Fiber optical communication and all ABB MCU (Motor control unit) Drive &ABB ACS drives are communicated through Profibus communication through CP-443-5 Ext card.

- Worked as project-in-charge for erection and commissioning of Auto sampling FLS Rob lab with QCX & ECS blended expert for raw mill Quality controlling and all weigh feeder ratio controlled through QCX through Ethernet (PC-PC communication).

- Worked as project member for unmanned FLS packing plant with fully automatic truck loading machine.

- Worked as Project-in-charge for Stacker&reclaimer local operation to Automatic control from ccr through Wireless communication (Phoenix contact-Omni).

- Worked as Optimization member for Increase in production from 5000 TPD to 5800 TPD by implement many PID loops.

- Worked as Project in charge & programmer for IKN cooler Fuzzy logic using Siemens S7-400 series plc.

TECHNICAL TRAINING ACTIVITIES

> ➢ Undergone DCS:Simatic PCS7 plc training program at siemens ltd , kalwa works, Mumbai
> ➢ Undergone Profitrace Profibus Analyser & Fiber optical Fusion Splicer Tools Handling training program at Hail cement company,KSA

ADDITIONAL ACTIVITIES

- TPM
- ISO 9000 related activities
- 5S activities
- Lototo
- SAP
- Siemens PCS7,S7-200,S7-300&HMI training program

COMPUTER PROFICIENCY

OPERATING SYSTEM   : Windows 9x, 2000, XP Professional,Win7.

PERSONAL PROFILE

Name	: M.K. Rathan Kumar
Date of Birth	: 24-04-1983.
Father's Name	: M.S Kuberan.
Sex	: Male.
Nationality	: Indian.
Languages Known	: Tamil, English, Telugu and Hindi.

DECLARATION:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

PLACE: HAIL (KSA)

(M.K.RATHAN KUMAR)