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## ANILKUMAR BARAI

### Mechanical Engineer | Maintenance Operations

A focused professional with **nearly 18 years** of rich experience in **Plant & Maintenance Operations, Safety Management, Manpower Planning, Plant Layout & GA Drawings and Project Execution**; scaling new heights of success with hard work & dedication



## Career Timeline

<b>Aug'07-Jul'09</b>  FLSmidth Private Limited, Mumbai as Engineer – Plant Layout	<b>Oct'11-Jun'14</b>  Indiana Conveyors Pvt. Ltd., Mumbai as Design Engineer	<b>Aug'20 - Jan'23</b>  JK White Cement UAE as Mechanical Engineer	
	<b>Jul'09-Oct'11</b>  Binani Industries Limited, Mumbai as Asst. Engineer-Projects	<b>Jul'14 – Aug'20</b>  National Cement Company, PSC, Dubai as Mechanical Engineer	<b>Since Apr'23</b>  Kiln Services Pvt.Ltd, Mumbai as Manager



## Key Impact Areas

Plant Operations/Machinery & Equipment Maintenance

Predictive/Preventive Maintenance

Resource Planning & Optimization

Start-up/Shutdown Operations

Reporting & Documentation

Safety Management

Manpower Management

Production Planning

Team Building & Leadership

Cross-functional Coordination



## Key Skills



## Executive Profile

Currently associated with **Kiln Services Pvt. Ltd as Manager** for Services like Hold & Cold Alignment of Rotary Equipments, Supporting Roller & Tyre Grinding, Turnkey Repair jobs for Cement Ball Mill and Kiln etc.

Worked in **Cement Plant** managing maintenance operations for the plant aimed at **reducing downtime and enhancing operational effectiveness** of the plant. Effective in managing diverse range of site activities, supervising capacity utilization, conducting inspections and adherence with quality parameters. Exhibited excellence in **resource planning and ensuring workplace safety**. Managed safe start-up and shutdown operations of the plant.

Competent in maintenance of a wide range of machinery & equipment; implementing process and safety enhancement & quality control techniques. Gained exposure in the maintenance of **Crusher, Raw Mill (Ball mill & Roller Press), Kiln, Preheater, Cooler, ESP of Kiln, Coal Mill, Cement Mill, Packing plant Section**.

Proficient in **assessing & exploring the areas of obstruction /breakdowns** and taking steps to rectify the same. Proven track record of **governing processes, work instructions & SOPs, streamlining workflow and creating environment to enhance productivity**.

Reviewed **tenders & finalized contracts with vendors** and created **technical specification documents** for procurement of bought out items.



## Education

❖ **PGDM-HB** in Operation Management from Welingkar Institute, Mumbai in 2017

❖ **B.Tech.** in Mechanical Engineering from Yashwantrao Chavan Maharashtra Open University, Nashik in 2013

❖ **Diploma in Mechanical Engineering** from Bharati Vidyapeeth Institute of technology (MSBTE), Kharghar Navi Mumbai in May 2007



## IT Skills

❖ MS Office, AutoCAD 2D



## Professional Experience

**Kiln Services Pvt. Ltd, Mumbai**  
**As Manager – Plant Services Maintenance**

**April '23 to till date**

### Key Result Areas:

- ❖ Carry out Hot Kiln alignment of Rotary kiln
- ❖ Carry out Cold Alignment of Rotary Dryer, Cooler, Coating drum
- ❖ In-situ Grinding of Supporting Roller and tyre.
- ❖ Turnkey Repair jobs like kiln & Ball mill shell replacement, Kiln tyre and roller replacement, kiln inlet & outlet seal replacement, kiln chairpad, retainer ring (wear ring) replacement, Thrust Roller Replacement, Girth gear replacement of various industries like cement, steel, fertilizer etc.
- ❖ Co-ordinate with the customer for the equipment availability for maintenance and plan accordingly for dispatch of tools to the site.

### Project Handled :-

#### **Hot Kiln Alignment, In-situ Grinding, Supervision, Repair and Replacement**

- Dalmia Cement Ltd (Chandrapur Cement Works) – Hot kiln Alignment
- Dalmia Cement Ltd (Chandrapur Cement Works) – Grinding of Support roller and tyre
- Saurashtra Cement Ltd, Hathi Cement, Ranavav – Hot kiln Alignment
- Ambuja Cement Ltd, Marwar Mundwa – Hot kiln Alignment
- Ambuja Cement Ltd, Maratha Cement Works – Hot kiln Alignment
- Paradeep Phosphate Ltd, Goa – Grinding of tyre of Granulator
- Bajrang Ispat & Power Ltd, Raipur – Hot kiln Alignment
- Vandana Global Ltd, Raipur – Hot kiln Alignment
- Saurashtra Cement Ltd, Siddhi Cement Works, Veraval – Hot kiln Alignment
- ACC Chanda, Chandrapur - Ball mill Shell, liner, Diaphragm & Girth gear Replacement
- Paradeep Phosphate Ltd, Orissa- Cold alignment of rotary dryer, granulator, cooler
- Saurashtra Cement Ltd, Hathi Cement – Kiln Shell with tyre and IKN cooler supervision
- Ambuja Cement Ltd, Marwar Mundwa – Replacement of Kiln retainer ring
- Ambuja Cement Ltd, Rabariyawas – Replacement of kiln shell and girth gear
- Ultratech Cement Ltd, bagheri – Replacement of Ball mill shell, liner and diaphragm
- Paradeep Phosphate Ltd, Goa- Grinding of tyre of Granulator
- Saurashtra Chemical Ltd, Porbander – Cold Alignment of Calciner
- Saurashtra Chemical Ltd, Porbander – Grinding of Tyre and support roller for Calciner
- Krishana Phoschem, Meghnagar – Cold Alignment of Granulator, Dryer, Cooler
- Dalmia Cement Ltd, kadappa – Replacement of Cowl shell, chairpad and retainer ring
- Sarda Energy and Mineral Limited - Hot kiln Alignment
- Tata Steel, Jamshedpur – Cold Alignment of MND and Girth Gear Replacement
- ACC Cement Ltd (Chanda Cement Works) – Supervision of Replacement of Kiln Hyd Thrust Roller & Tyre Retainer ring
- JK Cement Works, Mangrol – Insitu Grinding of Tyre and thrust roller with thrust face
- Penna Cement, Boyareddypali – Repair work like tyre alignment, retainer ring replacement, outlet seal replacement
- Tata Steel Meramandali – Hot Kiln Alignment of Rotary Kiln
- Penna Cement, talaricheruvu – Insitu Grinding of Tyre and roller of Rotary Kiln
- Dalmia Cement Ltd, Kadappa – Hot Kiln Alignment of Rotary kiln

**JK White Cement UAE,**  
**As Mechanical Engineer – Mechanical Maintenance**

**Aug'20 to Jan'23**

### Key Result Areas:

- ❖ Schedule plant maintenance operations as per master maintenance plan to reduce plant downtime
- ❖ Crafted department maintenance policies and disciplines maintenance procedures; ensured timely execution of maintenance work orders
- ❖ Collaborated with Supply Chain Department to maintain optimum inventory levels and availability of spare part.
- ❖ Review / Check the bought out items as per Purchase Requisition and verify fitment for use.
- ❖ Implemented predictive maintenance schedules to minimize breakdown, decrease downtime & increase efficiency
- ❖ Monitored maintenance of Raw Material Handling System, Raw mill, Cement mill, Packing Plant, Compressors, Water plant, Putty Plant Section and conducted periodic checks for the condition of machinery & equipment
- ❖ Devised plans for plant shutdown as per the criticality of equipment; created daily job reports on machine & equipment working condition and sent them to Mechanical Head
- ❖ Daily prepare plan of work for the worker as per the priority and criticality of the condition
- ❖ Scrutinized individual performance and organized need based training sessions
- ❖ Supervised workers during general shifts and created mechanical maintenance activities during the shifts in SAP

- ❖ Prepared Work Orders, Preventive Maintenance Orders, Purchase Requisition for spare parts & made entries for spare part consumption in SAP

**National Cement Company, PSC, Dubai**  
**Mechanical Engineer – Mechanical Maintenance**

**Jul'14 – Aug'20**

**Key Result Areas:**

- ❖ Directed plant maintenance operations as per master maintenance plan to reduce plant downtime
- ❖ Crafted department maintenance policies and disciplines maintenance procedures; ensured timely execution of maintenance work orders
- ❖ Collaborated with Supply Chain Department to maintain optimum inventory levels and availability of spare part
- ❖ Implemented predictive maintenance schedules to minimize breakdown, decrease downtime & increase efficiency
- ❖ Monitored maintenance of Kiln, Preheater, Cooler, ESP of Kiln, Coal Mill Section and conducted periodic checks for the condition of machinery & equipment
- ❖ Devised plans for plant shutdown; created daily reports on machine & equipment working condition and sent them to Chief Mechanical Engineer
- ❖ Worked in coordination with draftsman for the preparation of equipment drawings and collaborated with workshop for the fabrication of spare parts
- ❖ Scrutinized individual performance and organized need based training sessions
- ❖ Supervised workers during general shifts and created mechanical maintenance activities during the shifts in SAP
- ❖ Prepared BOMs, Work Orders, Preventive Maintenance Orders, Purchase Requisition for spare parts & made entries for spare part consumption & labour cost in SAP

**Indiana Conveyors Pvt. Ltd., Mumbai As Design Engineer**

**Oct'11-Jun'14**

**Key Result Areas:**

- ❖ Reviewed tenders & contract specifications; calculated bulk material equipment requirement basis contract
- ❖ Assessed vendor documents and approved drawings; created technical specification documents for procurement of bought out items
- ❖ Selected motors, couplings & gear boxes; prepared BOQ, reviewed GA Drawings prepared by draughtsman and supervised the execution of designs
- ❖ Assigned work to draughtsman and coordinated with clients to obtain approvals on drawings
- ❖ Worked in coordination with Purchase Department for proper placement of bought out items used in project
- ❖ Steered the successful completion various cement plant & steel plant projects

**Binani Industries Limited, Mumbai as Asst. Engineer – Projects**

**Jul'09-Oct'11**

**Key Result Areas:**

- ❖ Preparing specification of belt conveyors, bagfilters, machinery list, flowsheet, GA Legend, proposal drawing of plant layout and GA Drawing.
- ❖ Reviewing/ Checking of drawing received from client and documentation of drawing received from vendor.
- ❖ Meeting with clients for discussion and co-ordination with the vendor for drawing approval.

**FLSmith Private Limited, Mumbai as Engineer – Plant Layout**

**Aug'07-Jul'09**

**Key Result Areas:**

- ❖ Preparing GA Drawings, OL Drawings, Flowsheets and GA Legends
- ❖ Checking and Reviewing GA Drawings.

**Personal Details**

**Date of Birth:** 26<sup>th</sup> December 1987  
**Languages Known:** English, Hindi and Marathi  
**Current Address:** Flat No. 204, B-1 Wing, Gauri Estate, Varad, Patil Vithbhatti Road, Near Deepali Park, Manjarli, Badlapur (West), Mumbai- 421503, Maharashtra  
**Marital Status:** Married  
**Passport No.:** V9100937 (Valid till 22<sup>nd</sup> August 2032)  
**Nationality:** Indian

Declaration: I hereby declare that the statement made in the curriculum vitae is true to the best of my knowledge.

Place: Mumbai  
 Date: 31.10.2025

Anilkumar Barai