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MAHESWAR BEHERA, AGE – 62 YEARS, CONSULTANT – ALUMINIUM INDUSTRIES, TOTAL EXPERIENCE – 40 YEARS, EXPERIENCE IN ALUMINUM INDUSTRIES – 20 YEARS.

OBJECTIVE To impart and share the experiences of the Aluminium Industries across the globe, to train the Aluminium Industries persons, to educate the technical staff across all level of the industry.

Particular to the Aluminium Industries Equipment and process. To develop innovative ideas for the industry process and technology.

SKILLS & ABILITIES

- Project Execution – Aluminium smelters and Alumina refineries.
- Operation and Maintenance of Aluminum Smelters
- Training to all level staff in both Alumina Refineries and Aluminium smelters.
- Development and improvement of existing processes.
- Problem solving in the operation and maintenance of the carbon area in aluminium smelters.

EXPERIENCE **CONSULTANT – BALCO VEDANTA LIMITED, KORBA, CHATISGARH.**

2018 to 2019

Development of the operation and process of the Carbon Area, improving the availability of the two green anode plants.

CONSULTANT VEDANTA LIMITED, JHARSUGUDA, ODISHA, INDIA.

2017 - 2018

Development of the operation and process of the Carbon Area, improving the availability of the two green anode plants, bath treatment plants, Rod shop of two smelters, Plant – 1 and Plant – 2..

CONSULTANT - ADITYA ALUMINIUM LTD, HINDALCO INDUSTRIES LIMITED, LAPANGA, ODISHA, INDIA.

2015 - 2017

Training, Commissioning and Development of the operation and process of the Carbon Area, improving the availability of Carbon Area. Erection of pot room Alumina handling...

CONSULTANT – UTKAL ALUMINA INTERNATIONAL LTD. HINDALCO INDUSTRIES LIMITED, DORAGUDA, ODISHA, INDIA.

2013 - 2015

Training, commissioning and Development of the operation and process of the Alumina refinery, improving the availability of Bauxite Handling and Crushing section. Erection and execution of project activities of mud pond, mining, on land belt conveyor, water supply system and ash pond.

SENIOR ENGINEER – BECHTEL INCORPORATION, USA. – CENTER OF EXCELLENCE IN ALUMINIUM, MONTREAL, CANADA

2008 TO 2014

- Associated with development for the technology of Aluminium smelters with major technology suppliers and with equipment suppliers at Montreal, Canada.
- Execution green Aluminium smelter project Ma'aden at Ras Al Khair, United Kingdom of Saudi Arabia.
- Execution brownfield Aluminium smelter project – Kitimat Modernization Project at British Columbia, Canada.
- Development of project deliverables for copper concentrators.

SENIOR PLANNER – ALUMINIUM BAHRAIN, BAHRAIN.

1991 TO 1995

- Associated with commissioning of ALBA Line – 2 Aluminium smelter. Development for the CMMS for ALBA Carbon plant and training to the executives for the operation and maintenance.

ASSISTANT MANAGER – NATIONAL ALUMINIUM COMPANY, ANUGUL, ODISHA, INDIA.

1987 TO 1991

Operation and maintenance of carbon area of Nalco.

GENERAL MANAGER – VAMMAN ENGINEERS, VEDANTA SITES AT LANGIGARH, KORBA, VAPI, POONA AND AT MUMBAI.

2003 to 2005

Associated with project execution of above sites, training to the operation and maintenance team of the firm related to Aluminium smelters and alumina refineries.

SENIOR ENGINEER - MINING AND METAL HEAVY INDUSTRIES – M/S INDIAN RARE EARTHS LTD, BARC, MUMBAI,

1981 to 1987.

Project execution, commissioning, improvement of the beach minerals process development at OSCOM, Chatrapur, Odisha.

GENERAL MANAGER AT SALT REFINERIES – DCW HP LTD, GHCL,
1995 to 2005.

Project execution, operation of the solar pan salt manufacturing units, salt refineries at Mumbai, Gandhidham, and at Vedaranyam.

EDUCATION

- A. **UNIVERSITY COLLEGE OF ENGINEERING, PRESENT VSSUT, BURLA, ODISHA. – B.SC ENGINNERING DEGREE IN MECHANICAL ENGINEERING IN 1981.**
- B. **PGDM – INDIAN INSTITUTE OF MANAGEENT, AHMEDABAD (DISCONTINUED)**

BOOKS AND
PUBLICATIONS
IN ALUMINIUM
FIELD.

- 1. ALUMINIUM INDUSTRIES LESSON LEARNT- CARBON AREA – EDUCREATION PUBLICATIONS NEW DELHI – 2018.
- 2. ROD SHOP MADE SIMPLER – INTERNATIONAL ALUMINIUM – 2012.
- 3. LAYOUT OF SLAB CASTING FACILITIES IN CASTHOUSE OF ALUMINIUM SMELTERS – ALUMINIUM ASSOCIATION OF INDIA – 2017.
- 4. PERFORMANCE OF AIR SWEPT AUTOGENOUS MILLS IN BATH TREATMENT PLANT OF ALUMINIUM SMELTERS – ALUMINIUM ASSOCIATION OF INDIA – 2017
- 5. OPTIMIZATION OF ROD SHOP OPERATION OF ALUMINIUM SMELTERS – ALUMINIUM ASSOCIATION OF INDIA – 2018
- 6. TREATEMT OF DIFFERENT FUMES OF ALUMINIUM SMELTER – PARTICULAR FOCUS TO PITCH FUMES IN GREEN ANODE PLANTS OF ALUMINIUM SMELTERS – ALUMINIUM ASSOCIATION OF INDIA – 2018
- 7. DEVELOPMENT OF BATH RECCYCLING CRUSHING CIRCUITS FOR ANODE COVER MATERIAL OF ALUMINIUM SMELTERS 2020
- 8. REVIEW OF FOURTEEN BATH TREATMENT PLANTS AROUND WORLD.= 2018
- 9. TECHNICAL FEEDBACK TO ADITYA ALUMINIUM, VEDANTA JHARSUGUDA AND BALCO FOR PLANT OPERATION. 2017-2019.

10. EQUIPMENT – ALUMINIUM INDUSTRIES (UNDER PREPARATION)
11. REFRactory AND INSULATING MATERIALS FOR ALUMINIUM SMELTERS (UNDER PREPARATION)
12. TRAINING MODULES FOR CARBON AREA DIFFERENT PROCESS AND MAINTENANCE.