

## **BRIEF ABOUT ERCOM**

ERCOM Engineers Pvt. Ltd., New Delhi (ERCOM) are ISO-9001:2015 certified Technical and Engineering Consultancy Organization specialized in the field of Cement, Captive Power Plant, WHR, WTE, Solar, Infrastructure & Building Materials Industry and have successfully provided Technical & Engineering Consultancy Services to hundreds of reputed Clients in over 31 countries across the globe during the last 38 years approximately. ERCOM is a part of a Global Multi-national Group M/s Integrated Project Services (IPS) based in Pennsylvania, USA with their Indian Operations employing over 360 competent technical experts based in New Delhi and Mumbai.

Kindly note that we provide the entire Technical & Engineering support covering Project Management, Construction Management, Safety Audits for managing the Plant Sites including Installation Supervision, Commissioning, PG Trial Runs, Plant Optimization along with O & M Services.

We have rich experience of working with all international and Indian Cement Vendors including a number of such vendors from Europe, India and China with whom we have recently completed 4-5 projects in the Middle East and African regions.

We are also working with a large number of Banks and Financial Institutions including World Bank / IFC Washington, Afro-exim Bank, Eastern And Southern African Trade And Development Bank, etc. in Middle East and African Regions. We have done a large number of projects where we have worked as Lender's Independent Engineers (LIE) for assignment directly given to us by the Bank.

Kindly note that we provide the entire Technical and Engineering support covering all areas of the projects like;

### **Green Field Services**

- Site Selection for Integrated & Split Located Grinding Plant.
- Pre-feasibility study and evaluation of raw material deposit.  
Guide the entire geological prospecting work including core drilling, sample analysis and preparation of Computerized Deposit Evaluation Report to establish the reserve quantity and quality.
- Preparation of a Bankable Techno-Economic Feasibility Report (TEFR) or Detailed Project Report (DPR).
- Complete Basic Engineering and Procurement Assistance  
Source the plant on a turnkey basis, locally or from overseas, preparation & floating of machinery tender documents, technical evaluation of offers from machinery suppliers, discussions with all machinery suppliers and assistance in order finalization / contract documentation.
- Detailed Engineering Services for Material conveying / Docking Process, Mechanical, Piping / Ducting, Electrical, Instrumentation, HVAC and Civil & Structural Engineering
- Review of engineering drawings from the Turnkey / Semi Turnkey supplier.
- Critical drawings on 3D / Revit /STAAD & Tekla softwares
- Preparation of Quality Assurance Plan (QAP)

### **Technical Assistance**

- Transfer of know-how evaluation including assistance
- Support on O & M and also Project Management Team.
- Build up of Organization and Selection services from HR Field.
- Organization and plant operation.
- Total Due Diligence and all support services for take over & merger of Cement Plants for large Indian and Multi-national Cement Producers.

### **Brown Field Services**

- Feasibility Study for Upgradation and Modernization
- Energy and Efficiency Audits
- Structural and Safety Audits
- Automation Audits and Upgradation
- Kiln and Refractory Services
- Detailed Engineering Services for Revamp projects
- Related to Power plant & BOP activities.

### **Specialized Services**

- Raw Mix design related services including product qualities etc.
- Waste Heat Recovery (WHR) Systems including TPP & Captive Power Plants
- Solar Energy / Renewable Energy / Waste to Energy
- Design of Port, Jetty, Terminals for handling Cement, Clinker, Coal and other additives.
- Emission Abatement Systems for NO<sub>x</sub> and SO<sub>x</sub> and SNCR Related studies.
- Environmental improvement including EIA/EMP Studies
- Material Handling Systems, Captive Power Projects (TPP / CPP) including FGD Systems.
- Plant Upgrades, NO<sub>x</sub> /SO<sub>x</sub> & usage of Alternate fuels including HAZOP etc.
- Productivity Optimization, Reduction in Energy Consumption, Maintenance Audits
- Management Consultancy, Appraisal & Technical Due Diligence as well as Financial Due Diligence Studies for takeover, etc in India & Abroad.
- Valuation of assets and business valuation
- Preparation of rehabilitation & revival scheme of sick and potentially sick companies.
- Finding new opportunities for take over assistance abroad to meet the Group's Expansion and future business plan.
- Design of Smart Cities / Housing / related Architectural Studies & Work including Master Planning and Waste to Energy, etc.

### **Project Management and Field Services**

- Monitoring of the entire project and assistance in site Supervision as per the requirement of the project
- Project Management, Erection & Construction Management.
- Third Party Inspection, expediting work and vendor development work.

Working for the Financial Institutions as a Consultant and also as Lender's Independent Engineer.

In addition to the above, we also act as **Owner's Engineer** for various on-going as well as new green field projects in India and abroad.

**Further details about our activities are also available in our website at [www.ercomgroup.org](http://www.ercomgroup.org).**