

Ref No.:- BECO/ INTRO /08/2021

Date:- 01/09/2021

Introductory letter

Dear Sir,

We are leading Engineering consultant and also provide Design Engineering contract manufacturing services in the Field of cement, power, Steel, sugar & fertilizer units, with material handling and plant Up-Gradation systems, retrofitting jobs.

We have sufficient design engineering staff to carry out any types of design & detail engineering works related Mechanical, Civil & Electrical to the above fields.

We request to you enlist the **Bheema Engineering company** in your vendor list and send us regular enquiries to your requirements for these natures of jobs-

1.0 Mechanical Engineering

- Design & Detailing Engineering of Raw/Coal material Crushing Storage and Handling Systems, also Gypsum and Fly ash Handling System.
- Design & Detailing Engineering of Hoppers/Bin and Storage Silo's.
- Design & Detailing Engineering of Raw Mill, Preheater, Cooler, Cement Mill, Coal Mill and Fly ash Handling System.
- Design & Detailing Engineering of Belt Conveyors, Screw Conveyors, Chain Conveyors, Slat Conveyors, Bucket Elevators and Air Slides etc.
- Design & Detailing engineering of All Types of Dampers (Multi Louver, Butterfly, Guillotine) and all Types of Control Gates/Valves, Proportioning gates, Diverting Gates, Expansion Joints.
- Design & Detailing engineering of All Types of Ducting /Venting for Hot air gases and Bag Filter/Bag House Venting with BOQ/BOM.

2.0 Civil/Architectural Engineering

2.1 Civil/ Structural

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- Design & Detailing engineering of Plant/Administrative office, commercial and institutional infrastructures, Hospitalities and Multistoried Buildings / Residential Apartments.
- Design & Detailing engineering of platforms, Storage Sheds, Hoppers, Silos and various types of Bridges & Culverts.
- Design & Detailing engineering of Structural Sheds, Belt Conveyors Gallery, Trestle and Transfer Tower, truss of any kinds.
- Design of Special bridge like Bow String Girder Bridge, Box-Girder Bridge,
- Pre-stressed Concrete Girder Bridge, Suspension or Cable Stayed Bridge etc.
- Design & Detailing engineering of Excavation, footing plan and elevations.
- Design & Detailing engineering of columns and reinforcement.
- Design & Detailing engineering of Beam/Slab and reinforcement.
- Estimating and costing , BOQ/ BOM, BBS

2.2 Architectural

Architectural plans and elevations, three dimensional views (3D, Rendered, isometric) etc.

3.0 Electrical Engineering

- Switchyard, Single Line diagram, MV Board, LT Board MV and LV Capacitor, Battery and chargers, Auxiliary power, Lighting, power schedules
- Basic engineering: System design, equipment selection, tender preparation and evaluation.
- Detail engineering: Cable routing & cable schedule, earthing and lightning protection, relay coordination, transient studies, drum schedule, electrical room designing.
- Review engineering: Review of vendor drawings, inspection and testing, erection and commissioning assistance

4.1 Site super vision and Up-gradation study.

4.2 Site visits: Before, during and after the construction.

4.3 Co- ordination with client, vendor/ contractor, suppliers and site engineers.

4.4 Monitoring the timely and safe execution as per the relevant codes and drawings.

4.5 Other Innovative Services for Cement & WHRS.

4.6 Portable kiln coating monitoring system.

4.7 PTech system for monitoring online heat loss through Preheater.

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- 4.8 Heat input display for WHRS.
- 4.9 Low cost online heat balance system for pyro processing.
- 4.10 Low cost scanner for monitoring raw mill material size.
- 4.11 Ball mill grinding media assessment machine.
- 4.12 Process condition monitoring of process fans.

Please feel free to contact undersigned in case of any query.

Thanking you,

Yours faithfully,

Rajnish Kumar Singh

Bheema Engineering Company

List of our Clients

1. Technocem India Pvt. Ltd. New Delhi
2. Jyoti Buildtech Pvt. Ltd. Lucknow (U.P.)
3. Birla Corban India, Sonbhadra (U.P.)
4. NCBM, Bullabgarh, Haryana
5. Hindustan Unilever Ltd, Baddi
6. Holtec Consulting Pvt. Ltd.
7. Jindal Steel & Power Ltd.
8. Firetech Industries.