

Technical Evaluation by Characterization and Comparative Study on Manufacturing of Fly Ash Block using AAC Technology with Other Similar Products (SSP0664)

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Sponsored by: M/S Aswani Industries Private Limited Plant, Surat, Gujarat

Objective

- I. Understand & technically/ scientifically define Fly Ash Blocks and its manufacturing process.
- II. Visit of plant manufacturing fly ash block using AAC technology, technical discussion and collection of fly ash AAC block samples.
- III. Physical, chemical and instrumental (XRD/SEM/XRF) Characterization of collected samples as per standard methods to know the quantitative elemental composition (in percentage) and qualitative analysis of fly ash, sand, Cement, Quick lime, Gypsum/POP and Aluminium Powder.
- IV. Detailed study on process of manufacturing of fly ash blocks using AAC technology by the industry.
- V. Comparison of fly ash blocks (AAC technology) with fly ash bricks in terms of composition, manufacturing process and properties.
- VI. Comparison of fly ash blocks (AAC technology) with sand lime bricks in terms of composition, manufacturing process and properties.
- VII. Comparison of fly ash blocks (AAC technology) with concrete/cement blocks in terms of composition, manufacturing process and properties
- VIII. Submission of report.