

The logo of Galgotias University is a stylized 'G' composed of three overlapping, curved bands in shades of yellow, blue, and red, set against a light pink circular background.

## Building Materials Lecture 2 Fire Clay

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# Stone Ware

It Is The Named Given To The Articles Used For Sanitary Purpose Such As

- Wash Basin Sewer Pipes
- Glazed Tiles
- Water Closets
- Gully traps
- Acids Jars



4 inch dia SW pipes

# Stone Ware

These articles do not suffer from any corrosion for under ground sewer, stone ware pipes, cast iron pipes or cement concrete pipes are generally used because of their high strength and ability to with stand external pressure.



6 inch dia SW PIPES

# Stone Ware

A small percentage of iron oxide is also added in the clay to impart color and also to cause easy fusion.

They are strong, durable corrosion resistant and easily capable to with stand the effect of atmospheric agencies .They are also used to hold the chemicals.



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# Stone Ware

Stone ware pipes also known as vitrified clay pipes are prepared from various clays and shale.

They are manufactured in sizes 80 to 6000mm in diameter



# Laying Of Stone Ware Pipes

All pipes laid on a bed of 15cm cement or lime concrete, the sewers with their crown level at 1.2mm depth and less from ground are covered with 15cm the concrete all around the pipes.



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# Advantages of Stone Ware

Stone ware pipes are strong enough to take the load of back filling and trafic.

The interior surface being smooth and carrying capacity of sewage is good.

Stone ware pipes are cheap and easily available.



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# Disadvantages of Stone Ware

These sewers being brittle in nature are likely to be damaged during transport or handling operations

These sewers are bulky and heavy in weight.

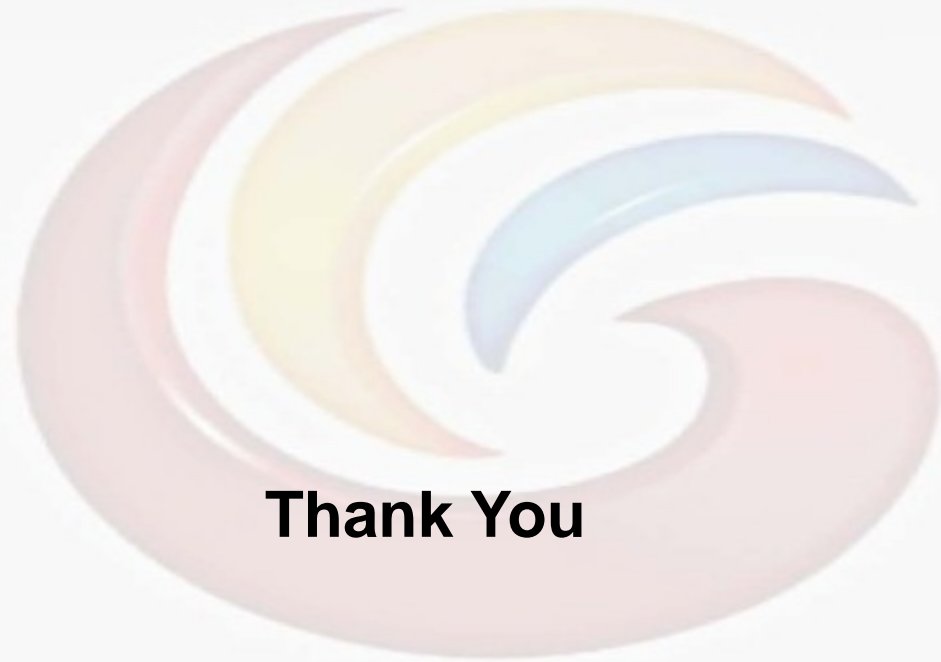
The stone ware pipe are manufactured in short length and diameter and are used for house drainage connection and latera.





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**Thank You**

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