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Use of Waste Plastic Bottles (PET) as a Construction Material

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Abstract : Concrete masonry units can be of conventional brick, fly ash bricks, solid and hollow concrete blocks which are made of raw materials available which are obtained from natural resources. Over exploitation of these natural resource leads to environmental problems. On the other hand use of plastic bottles (PET) is quite increasing. Plastic bottles are difficult to reuse, recycle and non-biodegrade and hence creates an environment issue¹. To overcome the above problems of over exploitation of natural resources and environmental issue due to the use of non bio-degradeable plastic bottles, attempt has been made to use plastic bottles in concrete masonry units and such innovative concrete masonry blocks are called as Plastic Bottle Blocks.

Keywords : plastic wastes; plastic bottle blocks; PET.

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