

**STUDY OF RECYCLED AGGREGATE IN CONCRETE BY USING
MINERAL ADMIXTURE (GGBS) & MANUFACTURED SAND.**

¹NIRAV B SHUKLA , ² JAYDEEP VASNI, ³ ANIL KANNAUZIA

¹M.TECH STUDENT,(STRUCTURAL ENGINEERING)

CIVIL ENGINEERING DEPARTMENT, PARUL UNIVERSITY INDIA.

²PROF.CIVIL ENGINEERING DEPARTMENT, S.N.P.T, BARDOLI INDIA.

³PROF.CIVIL ENGINEERING DEPARTMENT, PARUL UNIVERSITY INDIA.

ABSTRACT:

Reuse of concrete waste concrete grade M:30 use of manufactured sand in replacement of natural sand in concrete, GGBS, ground granulated blast furnace slag (GGBS) m:30 to study the difference properties like work ability compressive strength and flexural strength test. Fresh and hardened concrete and also compare above properties with normal concrete.

- 1. In construction materials are making the idea of sustainable construction more believable everyday. In this paper GGBS & 5%, 10% weight cement and manufactured sand in concrete. 7 days and 28 days are has been done M:30 grade of concrete.*
- 2. This research is carried 25% RCA 5% GGBS M.S 20%.*

This research is carried out in the phase. In M:30 grade concrete out to determine the 25% RCA 5% GGBS 20% M.S are optimum percentage of replacement at which maximum compressive strength is achieved.

KEYWORDS:

Cement ground granulated blast furnace slag (GGBS) R.C.A recycled coarse aggregates, natural stands, aggregates, manufactured sand.

[For Full Article Click here](#)