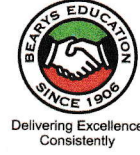


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Affiliated to Visveswaraya Technological University Belagavi, Karnataka.
Lands End, Innoli, Boliyar Village, Post Pavor, Near Mangalore University,
Mangalore-574199, T: +91 824 2235000/2235100/2235200, F: +91 824 2235775
E-mail: principal@bitmangalore.edu.in, Website: www.bitmangalore.edu.in



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"Jnana Sangama", Belagavi – 590 018, Karnataka, India

Prof. A.S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone No: (0831)2498100

Fax: (0831)2405467

Ref: VTU/Prasaranga/BGM/2022-23/ 2676

Date: 13 AUG 2022

Sub: Review of VTU's English-Kannada Engineering Dictionary (Mechanical Engineering)

Ref: E-mail dated 1st October, 2021 and subsequent communications from the Director, VTU Prasaranga

Sir/Madam,

VTU Prasaranga has initiated the work of preparing Engineering Dictionary in Kannada language to strengthen Engineering education in Kannada, as per the aspirations of NEP 2020. In this regard, information was circulated through VTU inviting registration from interested persons. In response, few persons had shown interest in preparation of this dictionary. Following members have contributed some work in the VTU's English-Kannada Engineering Dictionary (Mechanical Engineering)

1. Dr.Veeranna D.K, IEMS, Hubli - Coordinator
2. Prof. Tharanatha H, PES Institute of Technology & Management, Shivamogga
3. Dr.Girisha L, PES Institute of Technology & Management, Shivamogga
4. Prof. Karthik N, Jain University, Bengaluru
5. Dr. G.B.Krishnappa, Vidyavardhaka College of Engineering, Mysuru
6. Mr. Somashekar V, Acharya H, Bengaluru
7. Dr.Vasantha Kumar, Bearys Institute of Technology, Mangalore
8. Dr. Adimurthy M, BLDEA'S V.P.Dr.P.G.Halakatti College of Engineering and Technology, Vijayapura
9. Dr.Basavaraj Kawadi, BKIT, Bhalki
10. Prof. Lawrence Joseph Fernandes, Sahyadri College of Engg & Mgt, Mangalore

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Ibrahim

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11. Mr. Ramesh Bujari, SLA College of Engineering and Technology, Bengaluru
12. Dr. Ashok Banagar, PES Institute of Technology & Management, Shivamogga
13. Dr. K. Sadashivappa, BIET, Davanagere
14. Dr. Venugopal, Acharya IT, Bengaluru
15. Prof. Arunkumar D.T, Jain University, Bengaluru
16. Prof. P S Raghavendra Rao, Jain University, Bengaluru

A certificate of appreciation will be issued to all contributors/reviewers, once the review work is completed and consolidated dictionary is submitted to VTU Prasaraanga. In view of this, we request you to review the contents meticulously and submit the corrected final version on or before 22-08-2022. You are further informed to use Nudi 6.0 or above version for Kannada typing


REGISTRAR
ML

To,

- 1) All the contributors of VTU Engineering Dictionary (Mechanical Engineering)

Copy to (for kind information)

- 1) The Hon'ble Vice Chancellor, through the Secretary to VC, VTU, Belagavi
- 2) The Registrar Office, VTU, Belagavi
- 3) The Finance Officer, VTU, Belagavi
- 4) Dr. M. S. Birje, Director Prasaraanga, VTU, Belagavi for further action
- 5) Prasaraanga Office copy

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Production of honge oil methyl ester (HOME) and its performance test on four stroke single cylinder VCR engine

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Manufactured Sand as Fine Aggregate in Concrete

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During the past few decades common river sand has become expensive due to excessive cost of transport from natural sources. Large scale depletions of these sources have led to many environmental impacts. In order to overcome these impacts an alternative has to be found in order to replace river sand. The manufactured sand (M-sand) has found to be economical alternative to the river sand. M-sand is obtained as a crushing of granite stones in required grading to be used for construction purposes as a replacement for river sand. M-sand has been used in large scale in highways as surface finishing materials and also used in the manufacture of hollow blocks and in light weight concrete prefabricated elements. In this, investigations were carried out to study the compressive strength and split tensile strength, flexural strength and impact strength of concrete by partial and fully replacement of M-sand by river sand. And compare the results obtained from both the river sand and the M-sand. The present investigations mainly focused on the M-sand properties and the strength obtained from both the river sand and M sand. This investigation is also based on the comparison of the compressive strength and split tensile strength, flexural Strength and impact strength achieved by the cubes, beams and cylinders in normal sand and M-sand.

Altamashuddinkhan Nadimalla, 34 years, completed his post graduation in M. Tech (Computer Aided Design of Structures), Worked as Assistant Professor in AITM Bhatkal, RJIT Bangalore, and BIT Mangalore, India. Currently pursuing Ph.D at IIUM, Malaysia. He has Published two Books, six International Journals Papers and presented four papers at International conferences.

Co-authors: Siti Aliyyah Masjuki, Siti Asmahani Saad, Maisarah Ali, Naseer Ulla, Mohammed Safwan, Mohammed Musthafa, and Kadeejabi.

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TABLE OF CONTENTS

Table of Contents	1
Chapter One: Introduction	3
1.1 General.....	3
1.2 River Sand	4
1.3 Manufactured Sand (M Sand)	5
1.3.1 Issues and General Requirements of Manufactured Sand	6
1.3.2 Manufactured Sand Quality	7
1.3.3 Technical Specifications for Sand as per BIS	8
1.4 Need of the Study	9
1.5 Objective of the Study	10
1.6 Scope of Present Work	10
1.7 Organization of Thesis	11
Chapter Two: Review of Literature	12
2.1 General.....	12
2.2 Effect of Replacement of Natural Sand by M-Sand.....	12
2.3 Summary.....	17
Chapter Three: Material Properties	18
3.1 Introduction	18
3.2 Cement.....	18
3.3 Fine Aggregates.....	19
3.3.1 River Sand Properties	19
3.3.2 Sieve Analysis of River Sand	20
3.3.3 M- Sand.....	20
3.3.4 Sieve Analysis of M- Sand	21
3.4 Coarse Aggregates.....	22
3.5 Water	23
Chapter Four: Experimental Program	24
4.1 Introduction	24
4.1.1 Batching of Materials	24
4.1.2 Blending of materials and casting of specimen.....	24
4.1.3 Curing of specimen.....	27
4.2 Test Methodology.....	28
4.2.1 Details of specimen.....	28
4.2.2 Compressive Strength.....	29
4.2.3 Split Tensile Strength	30
4.2.4 Flexural strength test.....	31

4.2.5 Impact test.....	32
Chapter Five: Result and Discussion	35
5.1 General.....	35
5.2 Mix Design	35
5.3 Slump Cone Test	35
5.4 Compressive Strength Results.....	37
5.5 Split Tensile Strength Results	40
5.6 Flexural Strength Results	41
5.7 Impact Test Results	42
Chapter Six: Conclusion and Future Scope of the Work.....	46
6.1 Conclusion	46
6.2 Future Scope of the Work	47
REFERENCE	48