

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 04/2022
ISSUE NO. 04/2022

शुक्रवार
FRIDAY

दिनांक: 28/01/2022
DATE: 28/01/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : CONCRETE WITH PARTIAL REPLACEMENT WITH ALCCOFINE AND COPPER SLAG

(51) International classification	:C22B0007040000, C04B0028020000, C04B0014060000, C04B0020020000, B24C0011000000
(86) International Application No	:PCT//
Filing Date	:01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)Dr. K. MOHAN DAS
 Address of Applicant :PROFESSOR DEPARTMENT OF CIVIL ENGINEERING CMR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) KANDLAKOYA, MEDCHAL ROAD, HYDERABAD – 501 401. TELANGANA. INDIA. -----

2)Dr. T. AYYAPPAN
3)Mrs..E.RANI
4)Dr. A.HEMALATHA
5)Dr. K.RADHIKA
6)Ms. R. SINDHU
7)Mr. KANDI RAVI THEJA
8)Mrs. R.ABIRAAMI
9)Mr. SRINIVAS VADDI
10)Mr. K.R.S.MARUTHI RAJ
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Dr. K. MOHAN DAS
 Address of Applicant :PROFESSOR DEPARTMENT OF CIVIL ENGINEERING CMR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) KANDLAKOYA, MEDCHAL ROAD, HYDERABAD – 501 401. TELANGANA. INDIA. -----

2)Dr. T. AYYAPPAN
 Address of Applicant :ASSOCIATE PROFESSOR DEPARTMENT OF CIVIL ENGINEERING KODHADA INSTITUTE OF SCIENCE AND TECHNOLOGY FOR WOMEN NEAR RANGANIGUDI, ANANTHAGIRI ROAD, KODAD, KODAD, SURYAPET , TELANGANA 508206 -----

3)Mrs..E.RANI
 Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING DR. M.G.R EDUCATIONAL AND RESEARCH INSTITUTE PERIYAR E.V.R. HIGH ROAD, VISHWAS NAGAR, MADURAVOYAL, CHENNAI, TAMIL NADU 600095 -----

4)Dr. A.HEMALATHA
 Address of Applicant :PROFESSOR & HEAD DEPARTMENT OF CIVIL ENGINEERING NPR COLLEGE OF ENGINEERING AND TECHNOLOGY NPR NAGAR, NATHAM, DINDIGUL, TAMIL NADU 624401 -----

5)Dr. K.RADHIKA
 Address of Applicant :ASSOCIATE PROFESSOR DEPARTMENT OF CIVIL ENGINEERING ST.PETER'S ENGINEERING COLLEGE ST PETERS COLLEGE RD, OPPOSITE TS FOREST ACADEMY DULLAPALLY, MAISAMMAGUDA, MEDCHAL, HYDERABAD, TELANGANA 500100 -----

6)Ms. R. SINDHU
 Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING KARPAGAM ACADEMY OF HIGHER EDUCATION (DEEMED TO BE UNIVERSITY) POLLACHI MAIN ROAD, EACHANARI POST, COIMBATORE - 641 021, TAMIL NADU, INDIA. -----

7)Mr. KANDI RAVI THEJA
 Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING ST.PETER'S ENGINEERING COLLEGE ST PETERS COLLEGE RD, OPPOSITE TS FOREST ACADEMY DULLAPALLY, MAISAMMAGUDA, MEDCHAL, HYDERABAD, TELANGANA 500100 -----

8)Mrs. R.ABIRAAMI
 Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING CHRISTIAN COLLEGE OF ENGINEERING AND TECHNOLOGY, PALANI- DINDIGUL MAIN ROAD, ODDANCHATRAM, DINDIGUL DISTRICT-624619 -----

9)Mr. SRINIVAS VADDI
 Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING CMR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) KANDLAKOYA, MEDCHAL ROAD, HYDERABAD – 501 401. TELANGANA. INDIA. -----

10)Mr. K.R.S.MARUTHI RAJ
 Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING CMR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) KANDLAKOYA, MEDCHAL ROAD, HYDERABAD – 501 401. TELANGANA. INDIA. -----

(57) Abstract :
 ABSTRACT CONCRETE WITH PARTIAL REPLACEMENT WITH ALCCOFINE AND COPPER SLAG Concrete has employed as a significant spot in manufacture sector in the preceding few eras and it was utilized extensively in all types of buildings extending from minor buildings to big infrastructural reservoirs or dams. It is the supreme extensively used manufactured construction material in the construction society. The substitution of regular assets in the production of concrete and sand is the current issue in the current development situation. Among, suitable substitute, Alccofine is a considered as a new generation, ultra-fine agent of particle size far better than other hydraulic resources including silica, cement, and fly ash etc. commercially industrialized in India. Correspondingly, Copper slag is a modern result material delivered from the method involved with assembling copper. Utilization of Copper slag does not just lessen the expense of development yet in addition assists with diminishing the effect on climate by burning-through the material for the most part considered as a waste material. Consequently, in the current research, an endeavor has been made to limit the expense of concrete and sand with substantial blend grade M25 by concentrating on the mechanical conduct of these substantial blends by fractional supplanting with cutting edge mineral admixture with the blend of Alccofine and Copper slag in concrete blends as incomplete substitution of concrete and sand.