Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2006-U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2007)

15.05.2019

From
Head of the Department
Department of Civil Engineering
Bharath Institute of Higher Education and Research
Chennai

To
The Dean Engineering
Bharath Institute of Higher Education and Research
Chennai

Respected Sir

Sub: Requesting for Industrial Visit – Reg.

I am writing to you to request for Industrial Visit for our Third year Civil Engineering Students. Herewith, Ihave enclosed the Student Name List.

We request you to approve the Industrial Visit at Ruby RMC Plant., Chennai. Further request you to provide necessary Transportation facility for the students and staffs.

Thanking you sir,

Head of the Department

(Dr.A.Mani)

RUBY

No. 116, Agaramthen, Yeshwanth Nagar Main St, Selaiyur, Chennai, Tamil Nadu 600126

30th May 2019

From,
Mr.M.Prabhu.
Plant Head – RMC Unit 1,
Agaramthen, Yeshwanth Nagar,
Selaiyur,
Chennai - 600126.

To,
Dr A Mani,
Professor & Head - Department of Civil Engineering,
Bharath Institute of Higher Education and Research,
Chennai - 600073.

Dear Sir,

This is with reference to your request letter received regarding permission for Industrial Visit to our RMC Plant. We are pleased to inform you that your request has been accepted and the Ruby RMC hereby given permission for your students and faculties to visit our Plant on **04th June 2019(Thursday)** for the purpose of learning an handful knowledge about the Materials used for concrete, proportioning and mixing in our plant. During your visit we are supposed to teach your students regarding the Plant Operations and other department operations of our Plant.

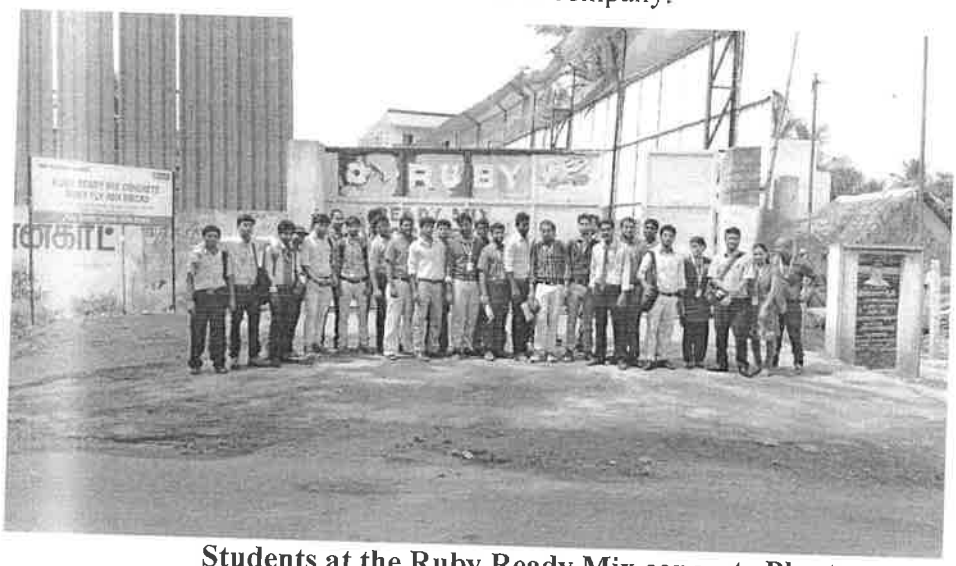
We look forward to meet you on 04th June 2019 along with your Faculty Members and Students of your department.

Best Regards,

Mr.M.Prabhu.
Plant Head of RMC Unit 1,
Chennai

An Industrial Visit Report

The final years students of Civil Department visited Ruby Ready Mix Concrete Industry on 4th June, 2019. The main objective behind the visit was to make student aware about how various activities related to mix design of concrete, advanced techniques used in ready mix concrete and manufacture process of fly ash bricks are carried out in company.



Students at the Ruby Ready Mix concrete Plant

The ready mix plant is located in Agarathen, near Selaiyur. Mr Rajasekhar, Plant Manager, Ruby Ready Mix concrete gave details about the company. Ruby Builders and Promoters were established in the year 1997. The portfolio of activities consists of building artistic homes, apartments, and commercial complexes. The company conforms to ISO 9001-2008 standards. Over a decade, the company is armed with metaphors that describe the robust relationship with its clients, sustainable quality standards, reliability, safety standards. The wave of newer technology, modern machinery, innovation and the quest for growth are the inimitable hallmarks of the company.

Fifty students of final year along with faculty members visited the plant. The students are exposed to various processes such as computerized Mix Design, mixing of concrete ingredients, loading of concrete to the transit mixers etc. Faculty members along with the technical personnel of the plant explained the various processes and procedure involved in batching, mixing and loading in transit mixers. The following are the observations and inferences recorded by the students.

Mr Rajasekhar, Plant Manager, Ruby Ready Mix concrete detailing RMC

Advantages of Ready Mixed Concrete:

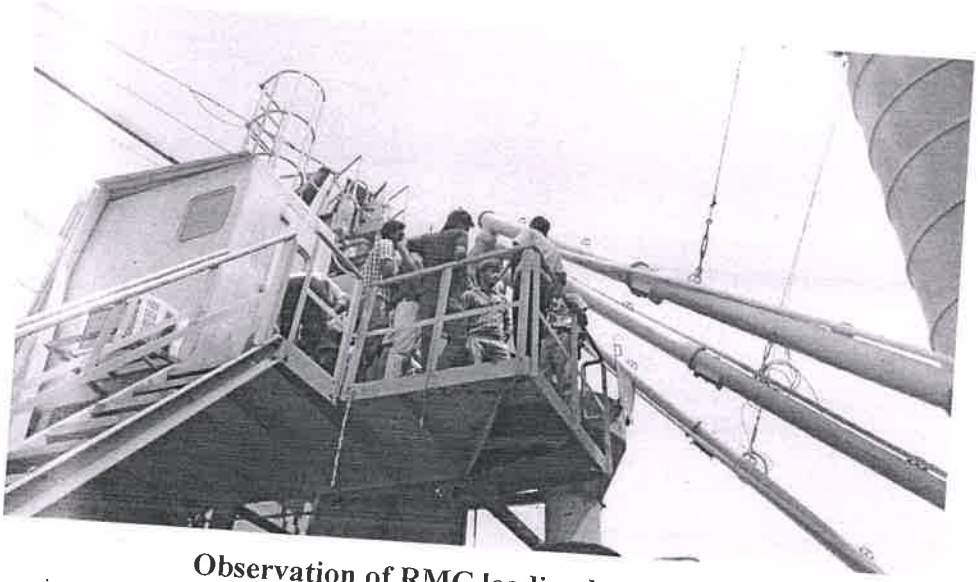
- Reduction in cement consumption by 10 – 12 % due to better handling and proper mixing. Further reduction is possible if mineral admixtures or cementitious materials are used.
- Since ready mixed concrete (RMC) uses bulk cement instead of bagged cement, dust pollution will be reduced and cement will be saved.
- Conservation of energy and resources because of saving of cement.
- Environment pollution is reduced due to less production of cement.
- With better durability of structure, their overall service life increase and there is saving in life-cycle cost.
- Quality assurance due to mechanical handling and uniformity of processes.
- Eliminating or minimizing human error and reduction in dependency on labour.
- General benefits like speedy work, stability of structures etc.

Batching Plant

Limitations

- As the Ready Mixed Concrete is not available for placement immediately after preparation of concrete mix, loss of workability occurs. In addition, there are chances of setting of concrete if transit time involved is more. Therefore, generally admixture like plasticizers/ super plasticizers and retarders are used. Addition of retarders may delay the setting time substantially which may cause placement problems. In addition, it may also affect the strength of concrete. Therefore, it is necessary that the admixtures i.e. Plasticizers and super plasticizers/ retarders used in Ready Mixed Concrete are properly tested for their suitability with the concrete. In case loss of strength is observed, the characteristic strength may have to be enhanced so that after loss of strength, required characteristic strength is available.
- Because of large quantity of concrete available in short span, special placing and form work arrangement are required

RMC loading in Transit Mixer



Observation of RMC loading by Students

After seeing the ready mix concrete plant the students are exposed to the manufacturing unit of fly ash bricks which is located in the same plant. Technical persons of the plant explained the procedure involved in making of fly ash bricks. The students had shown immense response in knowing the process and procedure of manufacturing fly ash bricks. They inferred the following.

Head of the Department

(Dr.A.Mani)

Photos

Attendance Sheet

S.NO	REGISTER NO	STUDENT NAME
1	U17CE002	VIKASH M
2	U17CE003	AISHWARYA C
3	U17CE005	KALLAM VENKATA REDDY
4	U17CE006	ROSHAN NILLING GUHA
5	U17CE008	LARRY LALNUNZIRA
6	U17CE009	PRAVEEN KUMAR S
7	U17CE010	MATHAVAN S
8	U17CE011	DEEPAK KUMAR N
9	U17CE012	MULLAIVENDHAN D
10	U17CE013	RAGHAVKUMAR MUTHUKUMAR
11	U17CE014	TAJAMMUL AFROZ
12	U17CE015	KESHAVA RANGANATH
13	U17CE017	KISHOR G
14	U17CE018	RUBESH V
15	U17CE019	JAIKISHEN S
16	U17CE021	TALASU PAVAN MANEESH
17	U17CE022	SAYAPUNENI PRASANNAKUMAR
18	U17CE023	KUNDETI PAVAN SAI GOPAL
19	U17CE024	KONJENGBAM SHYAM SINGH
20	U17CE025	CHINTALAAKHIL KRISHNA
21	U17CE026	MUTHURU ASHOK KUMAR REDDY
22	U17CE027	VARIKUTI AYYAPPA
23	U17CE028	GADE TEJA SAI REDDY
24	U17CE029	CHINTALAPUDI NAGA MURALI KRISHNA
25	U17CE030	NISHANTH RAJ K
26	U17CE031	GADEWAR SAI PRANAY
27	U17CE032	RAGHAVAREDDY PRASANTH REDDY
28	U17CE033	CHILAKA SATHISH REDDY
29	U17CE035	JAYANT CHOUDHARY
30	U17CE037	SRI RAM P A
31	U17CE038	KOMMURU ANIL REDDY
32	U17CE039	VIKRAM KUMAR A
33	U17CE040	SHAIK ILIYAS
34	U17CE041	MOHAMMED EHTESHYAMUDDIN
35	U17CE042	KAKARLA RAMANAIDU
36	U17CE043	ILLURI JAYA VENKATA SIVA SAI KUMAR
37	U17CE045	PALAVELLI SASI KUMAR REDDY
38	U17CE046	MOOLA HANUMANTHA REDDY
39	U17CE047	YEMIREDDY RAGHAVENDRA REDDY
40	U17CE049	MARLAPATINAVEEN
41	U17CE050	PALAPARTHI NAGARAJU
42	U17CE051	GOLLA DINESH
43	U17CE052	PERIVEMULA CHARITHA
44	U17CE053	VENKATA SAI SABAREESH M
45	U17CE054	CHUNCHU SRUJAN
46	U17CE055	KIENSON KSHIAR
47	U17CE056	BOLAMALA MAHESWARI DEVI
48	U17CE057	KOMALI RAVI
49	U17CE058	PAGADALA VENKATA SIVA SANKAR REDDY
50	U17CE059	LAMDAME SUMER
51	U17CE060	MEKYRSHANKI DHAR
52	U17CE062	KARTHIKEYAN K B
53	U17CE063	KURUKURU KIRAN KUMAR REDDY
54	U17CE064	POREDDY SURYA PRAKASH REDDY
55	U17CE065	SOROKHAIBAM POIREINGANBA MEITEI
56	U17CE066	BICHALA SAIRAM
57	U17CE067	KUMMARA CHINNA ABBULU
58	U17CE068	KUNCHALA PRAVEEN
59	U17CE069	KAVALI TEJASWINI
60	U17CE071	MOGILI SRIKANTH
61	U17CE072	BHUKYA VENKAT NARASIMHA
62	U17CE074	DHARSAN K
63	U17CE075	NIMMAKAYALA SURYAVAMSI REDDY
64	U17CE076	KARRA ANAND RAVI TEJA
65	U17CE077	KATTERAPALLI RAM MOHAN REDDY
66	U17CE079	FAMOUSSTAR MANIK SYIEMLIEH

67	U17CE080	CHINTHAM DINESH YADAV
68	U17CE081	KATARU SAI KISHORE
69	U17CE082	VEGINATI PAVAN KUMAR
70	U17CE084	JASANTA LOKTONGBAM
71	U17CE085	MOHAMMED YUSUF A
72	U17CE086	MUHAMMAD FARHAAN SHAREEFF Y S
73	U17CE087	PREMCHAND KHWAIRAKPAM
74	U17CE088	ADARSHSON MARWEIN
75	U17CE089	NIHI OO CHALLAM
76	U17CE090	SHELJIN DHAS H
77	U17CE091	KHUNDRAKPAM ISHWORLAL
78	U17CE092	RIYAS A
79	U17CE094	PAVITHRANS R
80	U17CE095	GOBBAKA SAI KIRAN
81	U17CE096	NARESH P
82	U17CE097	SANTHOSH R
83	U17CE099	KORVETHA MANIKANTA
84	U17CE100	IROM ROSHANKUMARM
85	U17CE101	BANDI SRIKANTH
86	U17CE102	ANANDHU SATHYAN
87	U17CE103	CHAMMANDI SAIJAYANTH
88	U17CE104	SASIDHARAN S
89	U17CE105	MUHAMMAD NAZRUL ISLAM
90	U17CE106	VIGNESH S
91	U17CE107	MATHEW LARA EN
92	U17CE108	JANGA AKHIL KUMAR
93	U17CE109	LAKSHMI NARAYAN GANESH PILLAY K
94	U17CE110	MOHAMED RIZWAN N
95	U17CE111	BHARATH K
96	U17CE112	CHINIGEPALLI VENKATA SUBBA RAO
97	U17CE114	VINTI UDAYA KUMAR
98	U17CE115	RAJKUMAR E
99	U17CE116	CHAWAN MAHESH SINGH
100	U17CE117	QAMAR UL ISLAM
101	U17CE118	BOJJAM SAKETH KUMAR
102	U17CE119	GURU SWAMY M
103	U17CE122	LOITONGBAM RAHUL SINGH
104	U17CE124	VEERAPATHIRAN R
105	U17CE125	VASANTHA SUDHAN S
106	U17CE127	ASHOK YADAV
107	U17CE128	JEEVA N V
108	U17CE129	KONSAM LANCHENBA MEETEI
109	U17CE130	KRISHNA MOHAN KUMAR
110	U17CE131	LIKHA GUVIN
111	U17CE132	SANKAR RAM S
112	U17CE134	KISHORE S
113	U17CE135	SUNEEL BELLUNDAGI
114	U17CE501	SAMAANTHA MANOJ
115	U17CE503	VENKATA SAI ROHITH
116	U17CE504	DINESH D
117	U17CE505	KIRUBAKARAN S
118	U17CE506	PRABHAKAR M
119	U17CE601	RAGHUL S
120	U17CE602	PRASANJIT TAKHELLAMBAM
121	U17CE603	AMARJIT SINGH ELANGBAM
122	U17CE701	SUBHADEEP MANDAL
123	U17CE702	SUMAN DAS
124	U17CE703	UDHAYAKUMAR E
125	U17CE704	SAKAE SUK SUNGOH
126	U17CE705	JUSTFORLY SOHTUN
127	U17CE706	DONALA PRAVEEN KUMAR
128	U17CE707	Ringdurlang Lyngdoh Nonglait
129	U17CE708	Rajesh Chhetri
130	U17CE709	HARISH R
131	U17CE710	TEISOZHASIE MIASALHOU
132	U17CE711	SONAM DORJEE
133	U17CE712	VIJAY BHUSHAN D