

Date: 28/08/2018

From

Mr. Satyajeet Parida,
Head of the Department,
Department of Mining Engineering,
Aditya Engineering College (A)

To

The Principal,
Aditya Engineering College (A)

Sub: Request to grant permission for organizing a Value Added Course on "Modern drilling and Blasting Techniques in Surface and Underground Mines"

Respected Sir,

Drilling and Blasting is one of the major processes that has been practiced in Mining Engineering. Recently a lot modern tools has been implemented in the drilling blasting process. Students should must aware of these modern tools. So to enhance the technical abilities of students pursuing B.Tech VII and V Semester, the Department of Mining Engineering is proposing to organize a Value Added Course entitled "Modern drilling and Blasting Techniques in Surface and Underground Mines", during the period of 10th – 15th September 2018.

Hence, I request you to grant permission to organize the program with the necessary arrangements.

Thanking you,

Permitted
Sul

S. Parida
Yours truly

Head of the Department,

Department of MIN.E.

Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE (A)



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem • 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Mining Engineering

Date: 02/09/2018

CIRCULAR

All the students of IV & III B.Tech are hereby informed that the department is offering value added course on “**Modern Drilling and Blasting Techniques in Surface and Underground Mines**” is scheduled from 10-09-2018 to 15-09-2018, Timings from 10:00 am to 5:00 pm. The interested students can enroll their names to the Co-Ordinator Dr A.K Tripathi on or before 08-09-2018. Certificate will be provided to all participants after the successful completion of the course. Classes will be held in mining class room KLB Room no 401.

Head of the Department

Head of the Department

DEPARTMENT OF MINING ENGINEERING

ADITYA ENGINEERING COLLEGE (A9)

COURSE CONTENT

The following topics will be covered

Topic	Hours
Basic Principle of Modern drilling method, its different parts	4
Different types drilling methods	6
Basic manufacturing, handling and storage of blasting Accessories	6
Blasting practice in Surface mining	6
Blasting practice in U/G Metal Mines	4
Blasting Practice in Underground metal mines	6
Total hours	32

COURSE OUTCOMES

At the end of the course student will be able to

- Understand the modern drilling methods in Mining Fields
- Know the different blasting techniques in Surface Mining
- Know the different blasting techniques in Underground Mining method

RESOURCE PERSON

Ms. GDN Santoshi

Assistant Professor

Department of Mining Engineering, AEC

Email: santhoshi.sk@aec.edu.in

Value Added Course

on

Modern Drilling and Blasting Techniques in Surface and Underground Mines

10th to 15th September 2018



Organized by

Department of Mining Engineering



ADITYA ENGINEERING COLLEGE (A)

CO-ORDINATOR

Dr. A.K Tripathi

Assistant Professor

Email: hod_mine@aec.edu.in

Head of the Department
DEPARTMENT OF MINING ENGINEERING
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Department of Mining Engineering

Value Added Course Report

Name of the Course	Modern drilling and Blasting Techniques in Surface and Underground Mines	
Introduction to Event	Students will impart the knowledge of Modern drilling method and its use in Mining Engineering. Students are also able to make the student understand different surface and Underground Blasting techniques.	
Event date	10-09-2018 to 15-09-2018	
Number of days	6	
Coordinator(s)	Dr. A.K Tripathi	
Agenda/Event Flow	Topic	Hours
	Basic Principle of Modern drilling method, its different parts	4
	Different types drilling methods	6
	Basic manufacturing, handling and storage of blasting Accessories	6
	Blasting practice in Surface mining	6
	Blasting practice in U/G Metal Mines	4
	Blasting Practice in Underground metal mines	6
	Total hours	32
No of Students participated and list	95 and the participant list is Enclosed	
Target participants	B.Tech V and VII Semester	
Participants list	Enclosed	
Participants Attendance Sheet(enclosure)	Enclosed	
Resource person(s)	Mrs. GDN Santoshi Assistant Professor, AEC Contact No-7075742263 Email id-santhoshi.sk@aec.edu.in	
Profile of resource person(s) in brief	Enclosed	

Location and venue	KL B-401, Aditya Engineering College
Outcomes	At the end of the course student will be able to ➤ Understand the modern drilling methods in Mining Fields. ➤ Know the different blasting techniques in Surface Mining. ➤ Know the different blasting techniques in Underground Mining method.


Course Coordinator


Head of the Department
Head of the Department
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Department of Mining Engineering

Course Name- Modern drilling and blasting techniques in Surface and Underground mines

Scheduled Tenure- 10-09-2018 to 15-09-2018

Venue:KLB Room No 401

S.NO	Dept	Name	Roll No	Semester
1	MINING	SACHIN KUMAR SINGH	14A91A2607	VII
2	MINING	THIRIPURASUNDARI I A	14A91A2613	VII
3	MINING	ABHIJEET PATEL	15A91A2601	VII
4	MINING	AMAL V	15A91A2603	VII
5	MINING	AMIT BISWAS	15A91A2604	VII
6	MINING	ARAVINTH KUMAR S	15A91A2605	VII
7	MINING	AROMAL JAYAPRAKASH	15A91A2606	VII
8	MINING	ASHISH RANJAN	15A91A2607	VII
9	MINING	BEZAWADA SAI KRISHNA	15A91A2608	VII
10	MINING	BIPIN KUMAR	15A91A2609	VII
11	MINING	CHANDAN KUMAR	15A91A2610	VII
12	MINING	DALESHWAR KUMAR MAHTO	15A91A2611	VII
13	MINING	DENDUKURI ANIL GOWTHAM VARMA	15A91A2612	VII
14	MINING	DINESH RAJAK	15A91A2613	VII
15	MINING	GOKUL NATH V	15A91A2614	VII
16	MINING	INDRAJEET PATEL	15A91A2615	VII
17	MINING	JOSVIN JOHN	15A91A2616	VII
18	MINING	KODEESWARAN S	15A91A2617	VII
19	MINING	KONA GNANA RAJDEEP	15A91A2618	VII
20	MINING	MADASU PAVAN	15A91A2619	VII
21	MINING	MANISH KUMAR	15A91A2620	VII
22	MINING	NITESH KUMAR MAHTO	15A91A2621	VII
23	MINING	MANIKANDAN P	15A91A2623	VII
24	MINING	PRADEEP KUMAR S	15A91A2624	VII
25	MINING	ROSHIN ROY	15A91A2626	VII
26	MINING	SANJAY S	15A91A2627	VII
27	MINING	SANU HARIDAS	15A91A2628	VII
28	MINING	SUBDEV R V	15A91A2629	VII
29	MINING	TASHI DORJI	15A91A2631	VII
30	MINING	KOMMIREDDY VENKATA REDDY	16A95A2601	VII
31	MINING	MANCHALA GOVARDHAN REDDY	16A95A2602	VII
32	MINING	POREDDY GOVARDHAN REDDY	16A95A2603	VII
33	MINING	BOJJA PARAMESWARA REDDY	16A95A2604	VII
34	MINING	THALLURU NITHIN	16A95A2605	VII
35	MINING	SINGU BHARATH KUMAR	16A95A2606	VII
36	MINING	MANDHA GUNASEKHAR REDDY	16A95A2607	VII
37	MINING	AGENEL JOSE	15A91A2602	V
38	MINING	NITHIN JOSE	15A91A2622	V
39	MINING	ASHWIN RAJENDAR A C	16A91A2601	V
40	MINING	AKASH KUMAR	16A91A2602	V

41	MINING	ALBIN KR	16A91A2603	V
42	MINING	ALFRED K R	16A91A2604	V
43	MINING	AMIT KUMAR SINGH	16A91A2605	V
44	MINING	ARNAB PATRA	16A91A2606	V
45	MINING	BADRI A MEIYYAPPAN	16A91A2607	V
46	MINING	BALRAM MISHRA	16A91A2608	V
47	MINING	SURYA C	16A91A2609	V
48	MINING	ESTRA DOVE S	16A91A2611	V
49	MINING	HARIPRASATH P	16A91A2612	V
50	MINING	KUMAR UJJWAL	16A91A2613	V
51	MINING	MUHAMMED VASEEM MTK	16A91A2614	V
52	MINING	OMPRAKASH SINGH	16A91A2615	V
53	MINING	PANKAJ KUMAR	16A91A2616	V
54	MINING	PRATIK SHARMA	16A91A2617	V
55	MINING	RAJEEV RANJAN	16A91A2618	V
56	MINING	RAVI KUMAR	16A91A2619	V
57	MINING	RYNGKATLANG DKHAR	16A91A2620	V
58	MINING	ANIRUDH MUTHURAMAN S P	16A91A2621	V
59	MINING	ABHISHEK KUMAR	16A91A2622	V
60	MINING	SHEIKH RIZWAN	16A91A2623	V
61	MINING	THOMAS V CHACKO	16A91A2624	V
62	MINING	ANYANG DENG ANYANG CHAN	16A91A2625	V
63	MINING	CHANDAN KUMAR	16A91A2626	V
64	MINING	SATHI VAMSHIKRISHNA	17A95A2601	V
65	MINING	P NANDAKISHORE REDDY	17A95A2602	V
66	MINING	PAMANJI VIVEK VARDHAN	17A95A2603	V
67	MINING	GADHI DURGA NOOKARAJU	17A95A2604	V
68	MINING	KUNDRAPU CHINNA RAO	17A95A2605	V
69	MINING	KONATHAM HANIMI REDDY	17A95A2606	V
70	MINING	ASHADAPU PRASHANTH	17A95A2607	V
71	MINING	KASTURI PAVAN KALYAN	17A95A2608	V
72	MINING	MITTA MEEDI DANA PAVAN KALYAN	17A95A2609	V
73	MINING	RAPELLI ABHILASH	17A95A2610	V
74	MINING	KADALI MEGHA SHYAM	17A95A2611	V
75	MINING	MALLIMOGGALA HARISURYAVARDHAN	17A95A2612	V
76	MINING	PAMURU PAVAN	17A95A2613	V
77	MINING	KUCHI SAI KUMAR	17A95A2614	V
78	MINING	ADDAGATLA SAI KUMAR	17A95A2615	V
79	MINING	POOJARI VINAYKRISHNA	17A95A2616	V
80	MINING	BODDULA SAIPRATHAP	17A95A2617	V
81	MINING	SHAIK SAMEER	17A95A2618	V
82	MINING	BAYYAVARAPU PAVAN KUMAR	17A95A2619	V
83	MINING	ANDE RAHUL	17A95A2620	V
84	MINING	ALUGULA AKHIL	17A95A2621	V
85	MINING	NALLURI SATHISH KUMAR	17A95A2622	V
86	MINING	NOOKALA SRIKANTH	17A95A2623	V
87	MINING	BENJIMAN SHANKAR SINGH	17A95A2624	V
88	MINING	MOHAMMAD YOUSUF	17A95A2625	V
89	MINING	ALLAM SURAJ	17A95A2626	V
90	MINING	SIYYADRI SHARON KUMAR	17A95A2627	V
91	MINING	BOLLAM RAVITEJA	17A95A2628	V

92	MINING	ARKAM RAKESH	17A95A2629	V
93	MINING	GADDAM AVINASH	17A95A2630	V
94	MINING	THOTA RAJENDRA	17A95A2631	V
95	MINING	PARNANDHI THARUN	17A95A2632	V



Faculty Co-Ordinator

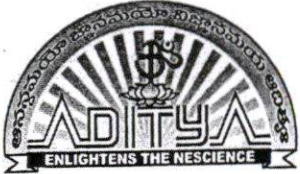


Head of the Department

Head of the Department
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Department of Mining Engineering

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms SACHIN KUMAR SINGH bearing roll no 14A91A2607 of
VII Semester has completed the Value Added Course “Modern Drilling
and Blasting practices in Surface and underground mines” during the
period 10-09-2018 to 15-09-2018.


Course Coordinator


Head of the Department
Head of the Department
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G.D.N SANTHOSHI

Address: Sivalayam street, D.No: 2-536,

Dowlaiswaram, 533125,

Ph.7075742263,9121352861

santhoshi.sk125@gmail.com

WORKING EXPERIENCE : (5 YEARS)

Working as **ASSISTANT PROFESSOR** in **ADITYA ENGINEERING COLLEGE**, Since June 2017.

RESEARCH INTRESTS:

Soil stabilization, Ground Improvement Techniques.

ACADEMIC PROFILE:

LEVEL OF EDUCATION	BOARD/UNIVERSITY	YEAR OF STUDY	PERCENTAGE
Ph.D	J.N.T.U.K	PURSUING	-
M.Tech	J.N.T.U.K(B.V.C.Engineering college),ODALAREVU	2014-2016	82.4
B.Tech(Civil)	J.N.T.U.K(Aditya engineering college),SURAMPALEM	2009-2013	78.2
Intermediate (M.P.C)	Sri Chaitanya Junior College,RAJAMHENDRAVARAM	2007-2009	83.00
SSC	Surya Deep English model School RAJAMHENDRAVARAM	2006-2007	83.33

M.Tech Project:

Stabilization of expansive soil treated with Expansive soil and Barites powder and Aluminium Chloride.

and **Barite powder** is by-product of dressing of barite ore it is **high specific gravity** and **most economic** and **Aluminium Chloride** is deliquescent liquid.I conclude that Due to this heavyweight property of barite it increases dry density of soil and **Aluminium Chloride** is **highly absorbs water** by using these two materials **dry density and angle of internal friction is increased.**

Test results shows that stabilizing Expansive Soil with Barites Powder and Aluminium Chloride increases the geotechnical properties and the optimum percentages are 20% and 1.5% respectively

SOFTWARE PROFICIENCY:

- Languages : C
- Application software : MS-OFFICE
- Designing structures : AUTO CAD

EXTRA CURRICULAR ACTIVITIES:

- Donate blood to Rotary club and Indian Red Cross society.
- Secure award from Red cross by donating blood more number of times.

HOBBIES:

- Gardening
- Drawing.
- Listening music.

PERSONNEL DETAILS:

Name : G.D.N.Santhoshi

Date of birth : 04 January 1992

Gender : Female

Marital Status : Married

PERMANENT ADDRESS:

G.D.N.Santhoshi

. D/o G.Rama krishna,

D.No: 2-536(T-1), Sri Kameswari Enclave,

Sivalayam street,

Dowlaiswaram. East Godavari District.

533125.

DECLARATION :-

I HEREBY DECLARE THAT ALL THE ABOVE INFORMATION IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE :

PLACE:

G.D.N SANTHOSHI


Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE (A4)