



ಶ್ರೀ ವೀರಪುಲಿಕೇಶಿ ವಿದ್ಯಾವರ್ಧಕ ಸಂಸ್ಥೆಯ
ಶ್ರೀ ಎಸ್.ಬಿ. ಮಮದಾಪುರ ಕಲಾ, ವಾಣಿಜ್ಯ ಹಾಗೂ
ಬಿಜ್ಜಾನ ಮಹಾವಿದ್ಯಾಲಯ, ಬಾದಾಮಿ



S.V.P.V.V.Samstha's
Shri Veer Pulikeshi Vidya Vardhak Samstha's
Shri Sidramappa Basappa Mamadapur
Arts, Commerce & Science College, Badami - 587201

Dis: Bagalkot) Estd-1956

Estd-1982 (State: Karnataka)

Shri. R.S.Mulimani M.Sc
Principal

www.veerpulikeshidegreecollege.in

ssbmbdm10@gmail.com

, iqacssbmbdm@gmail.com,

College:08357-220116

Mobil: 9241419752(Principal)

Date-17-7-2023

To
The Managing Director
MRN CANE POWER (INDIA) LIMITED
Kallapur Tq Badami

Sub -Permit Our College BSc VI SEM Students

Sir

With reference to above cited subject of our college,As per RCU Belagavi BSc VI
Sem Students are supposed to visit an industrial firm, on eve of this I request
You to permit our college students to your firm as soon as you intimate us the date of
Visit.

I hope you will permit our students to gain the knowledge

Thanking you

Your's faithfully

Principal

S.S.B.M. Arts, Commerce
& Science College, Badami

CPR(Gonda)

HA
R. S. M.
S. S. B. M.
Kallapur & S

17/07/2023

MRN CANE POWER (INDIA)

Factory; Kallapur (S.K).Hanapur (SK) Tq; Badami Dist.Bagalkot-587155

Ref,MRN/ADM/HR/2022-2023

Date-21-7-2023

To
The Principal,
S.S.B.M.Arts, Arts Commerce & Science
College Badami-587201
Dist: Bagalkot

Dear Sir,

Sub: Permission for you Industrial Visit your College student to our Unit


Ref; Your letter dated;17-7-2023

With reference to the above, we are to inform you that, we are please to permit your college 91 students proposing to visit our plant on 21-7-2023. We give warm welcome to your college students who will visit our Unit

We will provide the necessary guidance and support in this regard

Thanking you

For MRN Care Power (I)Ltd.Kallapur S.K


Managing Director
Chief General Manager
MRN CANE POWER INDIA LTD,
KALLAPUR, S.K.-587155,
KALLAPUR, S.K.-587155,
For, MRN CANE POWER INDIA LTD,
Kallapur S.K.-587155.





Principal
S.S.B.M. Arts, Commerce
& Science College, Badami.

**MRN CANE POWER (I) LIMITED .KALLAPUR (S.K)
INDUSTRIAL VISIT**

DATE : 21-7-2023
SECTION : BSc Final Year Students, 2022-2023 Batch
EVENT : Industrial Tour

Faculty Coordinators:

S.S.Aland, Associate.Prof.

Kum-S.B Lokapur Guest faculty

H.B. Talawar Lab attender

EVENT DESCRIPTION:

An industrial visit has been organized by department of Chemistry for VI students on 21 July 2022. The main objective of the visit was to provide a technical exposure to the students about the manufacturing process and technology.

Totally 60 students of Final year SSBM ARTS, COMM, & SCIENCE COLLEGE

.

SESSION ACTIVITIES:

The students were accompanied by 2 faculty members. The Temp with students have started from our college at 9.30 AM on 21 July 2023 and reached the MRN CANE POWER (I) LIMITED .KALLAPUR (S.K) by 10:30 AM.

Cane Carrier

This is used to transport cane to the milling tandem and consists of chains and slats. Its width is normally equal to the mill size. Mill cane-crushing unit having normally consisting rollers in a heavy steel housing. Cane first passes between the top and front rollers, then between the top and back rollers, to extract the juice. Cane Crushing unit, preceding the first mill to crush the cane prior to extraction of juice, for the purpose of improving the quantity of juice extracted. Normally consists of two rollers. Shredder has the same purpose as the crusher, but a different principle. Consists of a drum, with a concentric shaft, on which hammers are mounted on arms.

Mill Tandem

A complete mill is complex, consisting of crusher (or shredder) and all mills, together with drives and reducing gears.

ಶ್ರೀ. ಎಸ್. ಎಸ್. ಆಳಂದ

ರಾಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗದ ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು
ಎಸ್.ಎಸ್.ಬಿ.ಎಮ್ ಕಲಾ, ವಾಣಿಜ್ಯ ಹಾಗೂ
ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ,
ಬಾದಾಮಿ-587 201

ಗೆ,

ಪ್ರಾಚಾರ್ಯರು,

ಎಸ್.ಎಸ್.ಬಿ.ಎಮ್ ಕಲಾ, ವಾಣಿಜ್ಯ ಹಾಗೂ

ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ,

ಬಾದಾಮಿ-587 201

ವಿಷಯ: ಪಠ್ಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಕೈಗಾರಿಕೋದ್ಯಮದ ಬಗ್ಗೆ

ತಿಳಿದುಕೊಳ್ಳಲು ಎಮ್. ಆರ್. ಎನ್ ಪಾವರ್ ಲಿಮಿಟೆಡ್

ಕಲ್ಲಾಪೂರಕ್ಕೆ ಹೋಗಲು ಅನುಮತಿ ನೀಡುವ ಕುರಿತು.

ಮೇಲ್ಕಾಣಿಸಿದ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ತಮಗೆ

ತಿಳಿಯಪಡಿಸುವುದೇನೆಂದರೆ, ಸನ್ 2022-23ನೇ ಸಾಲಿನ ವಿಜ್ಞಾನ ವಿಭಾಗದ ಬಿ.ಎಸ್ಸಿ
ಆರನೇಯ ಸೆಮಿಸ್ಟರ್ ನ ವಿದ್ಯಾರ್ಥಿ/ವಿದ್ಯಾರ್ಥಿನಿಯರಿಗೆ ವಿಜ್ಞಾನ ವಿಷಯದ ಪಠ್ಯಕ್ಕೆ
ಅನುಗುಣವಾಗಿ ಕೈಗಾರಿಕೋದ್ಯಮದ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳಲು ಎಮ್. ಆರ್. ಎನ್ ಪಾವರ್
ಲಿಮಿಟೆಡ್ ಕಲ್ಲಾಪೂರಕ್ಕೆ ದಿನಾಂಕ:21-07-2023 ರ ಬೆಳಿಗ್ಗೆ:09:30ಕ್ಕೆ ಒಂದು ದಿನ
ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ಸುರಕ್ಷತೆಯಿಂದ, ಸಂಪೂರ್ಣ ಜವಾಬ್ದಾರಿಯುತವಾಗಿ ಕರೆದುಕೊಂಡು
ಹೋಗಿ ಬರಲು ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿಗಳ ಜೊತೆಗೆ ಕುಮಾರಿ:ಎಸ್.ಬಿ.ಲೋಕಾಪೂರ ಅತಿಥಿ
ಉಪನ್ಯಾಸಕರು, ಮತ್ತು ಶ್ರೀ.ಎಚ್.ಬಿ.ತಳವಾರ ಪರಿಚಾರಕರು ಇವರನ್ನು ಕರೆದುಕೊಂಡು
ಹೋಗಲು ಅನುಮತಿ ನೀಡಬೇಕಾಗಿ ವಿನಂತಿ.

ಸ್ಥಳ:ಬಾದಾಮಿ

ದಿನಾಂಕ:20-07-2023

ತಮ್ಮ ವಿಶ್ವಾಸಿ



Principal

S.S.B.M. Arts, Commerce
& Science College, Badami

MRN CANE POWER (I) LIMITED. KALLAPUR (S.K)

DATE OF VISIT: 21/7/2023

By

DEPARTMENT OF CHEMISTRY
SSBM ARTS, COMM, & SCIENCE COLLEGE
BADAMI-587201



Crystallizer

A strike receiver in which the charge from the vacuum pan is stored before going to the centrifugals. Its purpose is cooling, to increase grain size and reduce sucrose left in molasses.

Centrifugal

A machine with a fast spinning drum and a screen, inside, through which the molasses can pass while the crystals are retained. Separation is based on the difference in specific gravity, amplified by centrifugal force.

Dryer

A long drum- like rotating cylinder, where sugar is brought in contact with heated air, to reduce its moisture content.

Cooler

Same as a dryer, but air is dry and cooled to reduce temperature of sugar, heated by the dryer. This is to prevent caking during storage. The combination of dryer and cooler into one body is often called a Granulator.

The below picture had been taken during the visit. All over India MRNhas manufacturing and marketing of Rectified Spirit, Extra Neutral Alcohol, Ethanol, Incidental Cogeneration of Power, Organic Manure Calcium Lactate and CO₂. Company has 11 sugar factories inKarnataka



Cane Knives

These are mounted on cane carriers prior to entrance to mills, for preventing entire cane stalks from entering the mills, straightening and precutting the cane, for the purpose of improving juice extraction and saving driving power at the same time.

Intermediate Carriers

These transport the milled cane (bagasse) from one mill to the next. Baggage Carrier, this carries the bagasse from the last mill to the boilers, and its excess to storage

Power Plant

This produces electricity by means of non-condensing steam turbines, which drive generators. For the off-season diesel-driven generators are mainly used, to produce a limited quantity of electricity.

Juice Heater

A heat exchanger in which juice is heated by using steam as a medium, normally a multi-pass system. Juice flows through tubes, while steam passes along the outside of the tubes, in the cylindrical body. They can be used horizontally as well as vertically.

Clarifier

It is a large vertical cylindrical tank, where juice is given time for decantation, to separate the clear juice from the turbid, which still contains the mud. Juice flow is discontinuous.

Filter

A device to separate the mud from the turbid juice; normally of the rotary vacuum type. Can also be any kind of pressure filter, provided with filter cloth, to let the juice pass and retain the mud on its surface.

Evaporator

A series of vessels, in which excess water from the juice is evaporated to form a more concentrated liquid, now called syrup. The vessels work in series under increasing vacuum conditions, to reduce the boiling temperature gradually as the concentration increases step-wise. This prevents overheating of juice and loss of sucrose. The vessels together form a triple-, quadruple- or quintuple-effect evaporator.

Vacuum Pan

Like an evaporator vessel, a continuation of the evaporating process, but carried so far that crystallization occurs. Also boils under vacuum for reduced boiling temperature. The syrup is now transformed into massecuite (fill mass-strike-skipping), which is a mixture of grain (crystals) and mother liquor (molasses).

Date-21-7-2023

S.NO	EXAM NO	STUDENTS NAME	OPT	Signature
1	S2038631	ASHWINI BASAYYA KUGALI	PCM	A. B. Kugali
2	S2039601	ABHISHEK . NAMDEV MIRAJAKAR	PCM	
3	S2039602	ABHISHEK . YOGAPPANAVAR	PCM	
4	S2039603	AISHWARYA . M . CHOUKIMATH	PCM	
5	S2039604	AKSHATA . IDDALAGI	CBZ	
6	S2039606	ANJALI . T . MENASAGI	PCM	A.M. Menasagi
7	S2039607	ARATI . V . JADHAV	PCM	
8	S2039608	ARCHANA . ANGADI	CBZ	
9	S2039609	ARPITA . MENASAGI	CBZ	
10	S2039610	ASHOK . S . BHAJANTRI	CBZ	
11	S2039611	ASHWINI . B . TEERTHAPPANAVAR.	PCM	
12	S2039612	BANASHREE . N . PATIL	PCM	B. Patil
13	S2039614	BHARAT . V . ILAGER	PCM	
14	S2039617	BHEEMARAJ . H . KOPPANAVAR	PCM	
15	S2039619	BHUVANESHWARI . K . PATIL	CBZ	B. Patil
16	S2039620	CHITRA . HIREHOLI	PCM	CH
17	S2039621	CHANNABASU . B SARAGANACHARI.	PCM	CS
18	S2039622	CHIDANAND . HIREMATH.	CBZ	
19	S2039623	DANAYYA . T . HIREMATH	PCM	
20	S2039624	DARIYAPPA . UMACHAGI	PCM	
21	S2039625	DEEPA . B NEELAGAR	CBZ	D. B. Neelagar
22	S2039626	GIRIJA . B . HANCHATE	PCM	
23	S2039627	GULZAR , M NAIK	CBZ	G. M. Naik
24	S2039629	HANAMAPPA , F . NANDIKESHWAR	PCM	H. F. Nandikeshwar
25	S2039632	ISMAILSAB . H , MUDAGAL	PCM	I. Smail
26	S2039633	JYOTI . S . KURI.	CBZ	J. S. Kuri
27	S2039636	KAVITA . P . SULLAD	PCM	KPS
28	S2039638	KUMARESH . NAGALINGAPPA . KATARAKI	CBZ	K. N. Kataraki
29	S2039640	LOKESH . M . KATTIKAL.	CBZ	Lokeshkari
30	S2039643	MOHAMMADYASHIN . M KOPPAL	PCM	M. M. Koppal
31	S2039646	MANIKANTH . S . TEGGINAMANI	PCM	Manikant
32	S2039648	MANJUNATH . MUSHTIGERI	CBZ	
33	S2039649	MANJUNATH . NIDAGUNDI.	PCM	Manjunath
34	S2039650	MANJUNATH . N . BADAMI	PCM	
35	S2039651	MANJUNATH . R . DESHANAVAR	PCM	M.R.
36	S2039653	MANJUNATH . S CHINTAKAL	PCM	
37	S2039657	MEGHA . BONAGER.	CBZ	
38	S2039660	MOHAMMADSAJEED . I . MULLA	PCM	Sajeed
39	S2039661	MRUTUNJAYA . A . HIREMATH	CBZ	
40	S2039662	NIKHITA . M . HADAPAD	PCM	
41	S2039663	PADIYAPPA . KODATAGERI	CBZ	
42	S2039664	PAVITRA . B . GURASHANTANAVAR	PCM	
43	S2039665	PAVITRA . P . SARANGAMATH.	CBZ	P. P. Sarangamath

44	S2039665	PRATHIMA S. VEDURU	PCM	<i>Prathima</i>
45	S2039667	POOJA M. VAJJAL	PCM	<i>Pm vajjal</i>
46	S2039669	POORNIMA. AJJODI	CBZ	<i>P.A.</i>
47	S2039670	PRADEEP. S. BADIGER	PCM	
48	S2039671	PRATIBHA. M CHANNAPPAGODAR	PCM	<i>P.R.</i>
49	S2039672	PRAVEEN KUMARA. DYAMPUR	PCM	
50	S2039673	PRUTHVI B KANTHI	CBZ	<i>P.B. Kanthi</i>
51	S2039674	PRUTHVI. HAMPIHOLI	CBZ	<i>Pruthvi</i>
52	S2039675	PUNDALIK B SOMAPUR	PCM	<i>P.B.-S</i>
53	S2039676	PUTTARAJ R KORAWAR	PCM	
54	S2039677	RAJESHWARI B. MALAGITTI.	CBZ	
55	S2039683	ROHAN .S KOTI.	CBZ	<i>Rohani</i>
56	S2039684	RUBINA .I JAMADAR	PCM	<i>R.I. Jamadasi</i>
57	S2039685	RUKKAYA .D. MULLA.	CBZ	<i>R.D. Mulla</i>
58	S2039686	SADHANA. V. PATIL	PCM	<i>Sadana</i>
59	S2039687	SAGAR. S. MOKHASHI.	CBZ	<i>Sagar</i>
60	S2039688	SAKIRAN .S TEGGINA MANI	PCM	<i>Sakirani</i>
61	S2039689	SAKKUBAI .I BADIGER.	CBZ	<i>Sakkubai</i>
62	S2039692	SANGEETA .U .GANGAVATI	PCM	
63	S2039693	SANJAY.S . CHINTAKAL	PCM	<i>S.</i>
64	S2039694	SAVITA.S .AMBIGER	PCM	
65	S2039697	SHANKAR.K.GONDHALE	PCM	
66	S2039698	SHARADA .N .BANDIVADDAR	PCM	<i>Sharada</i>
67	S2039700	SHASHIKUMAR.N.WARI.	PCM	
68	S2039701	SHIVAPPA .B .INGALADAL	PCM	
69	S2039702	SHREEDEVI.C. JALLI	PCM	<i>Shree</i>
70	S2039703	SHRUSTI. B. BALAKUNDI.	CBZ	
71	S2039704	SHRUTI. S. HADIMANI	PCM	
72	S2039705	SHWETA.B.RAMANAGODAR.	CBZ	
73	S2039710	SIDDU.VEERANAGOUDA.PATIL	CBZ	<i>Siddu</i>
74	S2039711	SOUMYA. S . KALAHAL	CBZ	
75	S2039712	SOUMYA. YANDIGERI	CBZ	<i>Soumya</i>
76	S2039713	SPOOR THI.P. MAHALINGAPUR	PCM	<i>Spoorthi</i>
77	S2039714	SUDEEP.SHRIKANT .BASARI.	CBZ	<i>Sudeep</i>
78	S2039716	SUDYNANI . HOSAPADI.	CBZ	<i>S.B. Hosapadi</i>
79	S2039717	SUMA MALAWALLI.	PCM	
80	S2039718	SUNIDHI. P. CHAVAN	CBZ	
81	S2039720	SUREKHA.M.TOTAGER	CBZ	<i>Surekha</i>
82	S2039721	SURESH.WADDAR	PCM	<i>Suresh</i>
83	S2039724	VAISHNAVI.U.ALUR	CBZ	
84	S2039725	VEDAVATI. SULIKERI	PCM	<i>V.S. Sulikeri</i>
85	S2039727	VIDYA . JAKKALI.	CBZ	<i>Vidya</i>
86	S2039729	VIJAYALAXMI. HIREMATH	CBZ	
87	S2039730	VIJAYAKUMAR.S.JOTHENNAVAR	CBZ	<i>Vijaya</i>
88	S2039731	VINAYAK.M MULIMANI.	CBZ	<i>Vinayak</i>
89	S2039732	VEERESH .S. KARANANDI.	CBZ	<i>Veeresh</i>
90	S2039733	YALLAVVA.M HULLIKERI.	PCM	<i>Yallavva</i>
91	S2040216	AKSHATA .S.HEGGUR	CBZ	<i>Akshata</i>