

Date: 22nd December 2022

To,
The Principal,
Dr. APJ Abdul Kalam Govt. College,
Dokmardi, Silvassa.

SUBJECT: Submission of report on Industrial Visit at KLJ Plasticizer Ltd. Sili, D.&N.H.
REFERENCE: Order No. EDN/APJAKGC/Dept./Chem/2021/619/3582 Date: 16.12.2022

Respected Sir,

With respect to the subject and reference cited above, I am herewith submitting the report on Industrial Visit at KLJ Plasticizer Ltd., Sili, D.&N.H. organized on 16th and 17th December, 2022 for Final Year (TY) students of Chemistry Department. Soft copy of report is already e-mailed on official e-mail address of the college.

Thanking You

Yours Sincerely

HP Patel
22/12/22

Dr. Himanshu D. Patel

Professor In-Charge
DEPARTMENT OF CHEMISTRY
DR. APJ ABDUL KALAM GOVT. COLLEGE,
SILVASSA, DNH.

Principal, Dr. APJ Abdul Kalam Govt. College
3696
28.12.22

~~23/12/22~~
A.P.J. file
[Signature]

[Signature]
31/12/22
LOE
Dr. Himanshu D. Patel
Chemistry Dept.

Dr. A P J Abdul Kalam Govt. College, Silvassa

Department of Chemistry

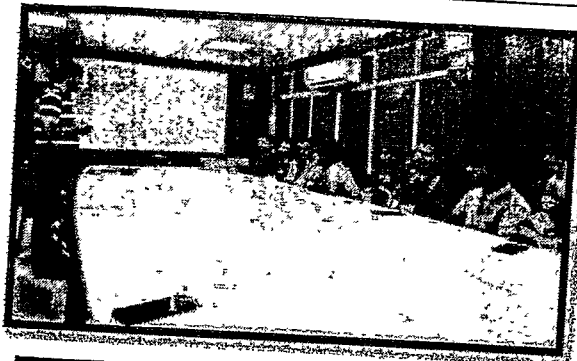
Report on Industrial Visit at KLJ Plasticizer Ltd. Sili, D.&N.H.

The Department of Chemistry organized an industrial visit for final year students of B.Sc. (Chemistry) at KLJ Plasticizer Ltd. Sili, D.&N.H. in two batches on 16th December and 17th December 2022 from 12:30 PM onwards. In these two days, a total of 36 students and four faculty members (Dr. Himanshu D. Patel, Dr. Sony Amrendra, Dr. Rama Mittal and Dr. Sureshkumar L. Chavda) of the department have taken part in the visit.

After the initial entry pass formalities at the gate of the KLJ Plasticizers unit, at Sili, faculty members and students were greeted and guided by Dr. Vrajesh Aghera, Manger, QC and R&D department. Sir guided the team to the conference hall where the students were shown a short video about KLJ group of industries. Video gives an idea about different products including plasticizers, esters and further expansion to Real Estate fields also. The video also focused on Shri Kanhaiya Lal Jain, the Founder of KLJ Industries, their team and the motto of KLJ group.

After a short video at the conference hall Dr. Vrajesh has taken students to the R&D laboratory where he shows various ongoing pilot preparation of various esters (plasticizer) from different alcohol and acids. Dr. Vrajesh explain the utility and application of all the apparatus like round bottom flask (RBF), condenser, heating mantle etc. used in pilot scale preparation. Sir, also explain how unused alcohol and water are produced during preparation in reused. Students have asked many queries regarding the preparation of plasticizers.

Afterwards, students visited the QC laboratory where Mr. Mehta give information about which kind of samples are analyzed in the laboratory and the instrumentation facility available in the laboratory. Mr. Mehta demonstrated and explain the working of Karl Fisher Moisture determination and Auto titration. Further, students were also taken to the Chromatography room, where students were demonstrated about working and application of Gas-Liquid chromatography (GLC) to assess the purity of the product. Students were nicely detailed about packed and capillary columns used in GLS. Students, also learn about Flame Ionization and Thermal Conductivity Detectors. Mr. Mehta gives a detailed explanation of carrier gas used in GLC and explain color coding used for the gas inlet. In QC laboratory students were able to understand the working and application of the Tintometer which is used for checking of transparency of the final product.



Chavda

Prepared by: Sureshkumar L. Chavda
Assistant Professor (Chemistry)

Patel

Dr. Himanshu D. Patel
Professor I/c (Chemistry)

Date: 26.11.2022

To,
The Principal,
Dr. APJ. Abdul Kalam Govt. College,
Silvassa-396230, UT of DNH & DD.

Subject: Regarding the arrangement of transportation facility for Student industrial visit at KLJ Plasticizer Ltd., Silli, DNH

Respected Sir,

With respect to the subject cited above this is for your kind information that KLJ Plasticizer Ltd., has permission for an industrial visit for a batch of approximately 20 students (we have 64 students) from 29th November to 1st December 2022. For the same, we need to arrange a transportation (bus) facility.

Kindly do the needful

Thanking You

Yours Sincerely

Chavda
26/11/22

(Sureshkumar L. Chavda)

Assistant Professor & Chemist

H. Patel

Professor In-Charge

DEPARTMENT OF CHEMISTRY

DR. APJ ABDUL KALAM GOVT. COLLEGE.

SILVASSA, DNH.

Enclose: copy of the e-mail from KLJ Plasticizer Ltd., Silli, DNH



Dr. APJ Abdul Kalam Government College
डॉ. एपीजे अब्दुल कलाम शासकीय महाविद्यालय

Dadra and Nagar Haveli Ucchha Shikshya Samiti
दादरा एवं नगर हवेली उच्च शिक्षण समिति

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NAAC Accreditation Grade "B"

संलग्न विद्यापीठान्तर्गत, अहमदाबाद ये संलग्न विद्यापीठान्तर्गत अनुदान आयोग द्वारा २ (एफ) के अंतर्गत सुचीकृत
Dokmardi, Silvassa-396230, Dist. Dadra & Nagar Haveli, (U.T. of DNH & Daman & Diu)
डोकमर्डी, शिवसा ३९६२३०- जिला दादरा नगर हवेली (केन्द्रशासकीय प्रदेश दादरा एवं नगर हवेली एवं दमन एवं दीव)

Phone No: 9429427117

website: <http://www.apjakgc.ac.in>

Email: dnh.sih12011@gmail.com

No. EDN/APIAKGC/Dept./Chem/2021/619/3562

Date:- 16/12/2022

Reference:- Letter dated 08.12.2022 received from Dr. Suresh Chavda, Asstt. Professor
(Chemistry) for Student's Industrial visit at KLJ Plasticizer Ltd., Silli, DNH

ORDER

Department of Science, Dr. APJ Abdul Kalam Govt. College has organized Industrial Visit for Students of B.Sc Sem-5 to visit KLJ Plasticizer Ltd., Silli, DNH. Following Teaching Faculties are assigned duty to escort Students during field visit as per below mentioned schedule:-

Sr.No.	Name of Teaching Faculty	Date and Time
01.	1. Dr. Aparna J Tailor, Asstt. Professor (Microbiology), 2. Shri Ugesh Mahala, Asstt. Professor (Botany) (STC faculty)	15.12.2022 from 12:00 p.m. onwards
02.	1. Dr. Himanshu D Patel, Asstt. Professor (Chemistry), 2. Dr. Rama Mittal, Visiting Faculty (Chemistry)	16.12.2022 from 12:00 p.m. onwards
03.	1. Dr. Suresh Chavda, Asstt. Professor (Chemistry), 2. Dr. Sony Amrendra, Asstt. Professor (Chemistry)	17.12.2022 from 12:00 p.m. onwards.

Necessary safety measures and strict discipline amongst the Students has to be ensured by the faculty members during visit.



(Dr. Bhagwanjee Jha)
Principal (I/c.)

Dr. APJ Abdul Kalam Govt. College
Silvassa

To:-

All concerned.

Copy to:-

1. P.A. to the Secretary (Higher & Tech. Education), DNH & DD/ Chairman (Executive Committee), DNFUSS for information please.
2. P.A. to the Director (Higher & Technical Education), DNH & DD for information.
3. Guard File.