

DEPARTMENT OF COMMUNITY MEDICINE

Proposal Letter

Date –20.12.2022.

To
The Principal
Rajkot Homoeopathic Medical College,
Parul University, Rajkot.
Gujarat.



SUBJECT – TO ARRANGE AN ACADEMIC VISIT TO ANY INDUSTRY.

Respected Sir,

As per the curriculum by the National Commission for Homoeopathy (Govt. of India) it is mandatory to arrange an academic visit for the students of 4th BHMS at any Industry to gain the knowledge about Industrial Hazards and their Preventive Measures. So, in this regard we are seeking your permission to conduct an academic visit at any Industry which will be convenient for our students, preferably 1st Week of January 2023.

Your Kind co-operation is highly solicited.

Thanking you,
Yours sincerely,

Prof (Dr) A. K. Das.

H.O.D

Department of Community Medicine.

HUD
Department of
Community Medicine



Established & Incorporated Under Gujarat Private Universities
(Second Amendment) Act, 2015 (Gu. Act No. 7 of 2015)

Parul
University

DEPARTMENT OF COMMUNITY MEDICINE

Date -20.12.2022.

To
The Managing Director,
Mr. Jayprakash Bavarva,
Siyaram Industries
Corporate Display Centre Jetpar Road , Nr. Rangpar Village,
At. Jivapar, Morbi-363642 (Gujarat) India.



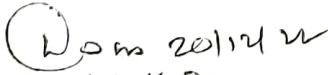
SUBJECT – TO GRANT PERMISSION FOR ACADEMIC VISIT.

Respected Sir,

As per the curriculum by the National Commission for Homoeopathy (Govt. of India) it is mandatory to arrange an academic visit for the students of 4th BHMS at any Industry to gain the knowledge about Industrial Hazards and their Preventive Measures. So, in this regard we are seeking your permission to arrange an academic visit at any date and time, convenient to you, preferably 1st Week of January 2023, if possible. Our students will follow the rules and regulations for the said academic visit as per your guidance and total 105 students will attend under the supervision of the faculty members of the Department of Community Medicine, Rajkot Homoeopathic Medical College, Parul University.

Your Kind co-operation is highly solicited.

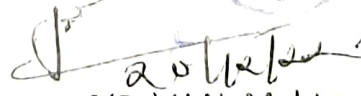
Thanking you,
Yours sincerely,


Prof (Dr) A. K. Das.
H.O.D

Department of Community Medicine.

Department of
Community Medicine

Rajkot Homoeopathic Medical College
Faculty of Homoeopathy


Prof (Dr) H.N. Mehta.
PRINCIPAL.

Rajkot Homoeopathic Medical College.

PRINCIPAL

Department of Community Medicine

PERMITTED TO VISIT ON
DATED 05.01.2023.




22/12/22

A REPORT OF

VISIT TO SIYARAM GRANITO PVT LTD



MORBI,
GUJARAT - 363641

ORGANISED BY

DEPARTMENT OF
COMMUNITY MEDICINE

RAJKOT HOMOEOPATHIC
MEDICAL COLLEGE
PARULUNIVERSITY

PREPARED BY:

CHAUHAN PARTH

Roll no. 11

4th BHMS

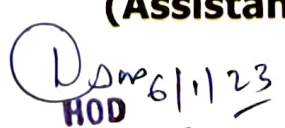
Batch:- 2022-2024

:: GUIDED BY ::

Dr. Anup Kumar Das
(HOD DEPARTMENT OF
COMMUNITY MEDICINE)

Dr. Humani Sharma
(Assistant Professor)


PRINCIPAL
RAJKOT HOMOEOPATHIC MEDICAL COLLEGE
RAJKOT.


HOD
Department of
Community Medicine

PLACE OF VISIT :-

**Siyaram Granito Pvt Ltd
Morbi, Gujarat - 363641**

DATE OF VISIT :

5TH JAN 2023



OBJECTIVES OF VISIT

- **To understand the role of different industries in prevention and control of INDUSTRIAL HAZARDS.**
- **To understand the ongoing strategies and programmes for prevention and control of INDUSTRIAL HAZARDS.**
- **To understand the epidemiology of the INDUSTRIAL HAZARDS.**
- **To understand the impact of hazard created by industries in community.**



CLASSIFICATION OF OCCUPATIONAL DISEASES:

1. Diseases due to physical agents

- (1) Heat : Heat hyperpyrexia, heat exhaustion, heat syncope, heat cramps, burns and local effects such as prickly heat.
- (2) Cold : Trench foot, frost bite, chilblains
- (3) Light : Occupational cataract, miner's nystagmus
- (4) Pressure : Caisson disease, air embolism, blast (explosion)
- (5) Noise : Occupational deafness
- (6) Radiation : Cancer, leukaemia, aplastic anaemia, pancytopenia
- (7) Mechanical : Injuries, accidents factors
- (8) Electricity : Burns.

II. Diseases due to chemical agents

(1) Gases: CO₂, CO, HCN, CS₂, NH₃, N₂, H₂S, HCl,

(2) Dusts (Pneumoconiosis)

(i) Inorganic dusts :

(a) Coal dust: Anthracosis

(b) Silica: Silicosis

(c) Asbestos: Asbestosis, cancer lung

(d) Iron: Siderosis

(ii) Organic (vegetable) dusts:

(a) Cane fiber: Bagassosis

(b) Cotton dust: Byssinosis

(c) Tobacco: Tobacosis

(d) Hay or grain dust: Farmers' lung

(3) Metals and their compounds: Toxic hazards from lead, mercury, cadmium, manganese, beryllium, arsenic, chromium etc.

(4) Chemicals : Acids, alkalies, pesticides

(5) Solvents : Carbon bisulphide, benzene, trichloroethylene, chloroform, etc.

III. Diseases due to biological agents Brucellosis, leptospirosis, anthrax, actinomycosis, hydatidosis, tetanus, encephalitis, fungal infections, etc.

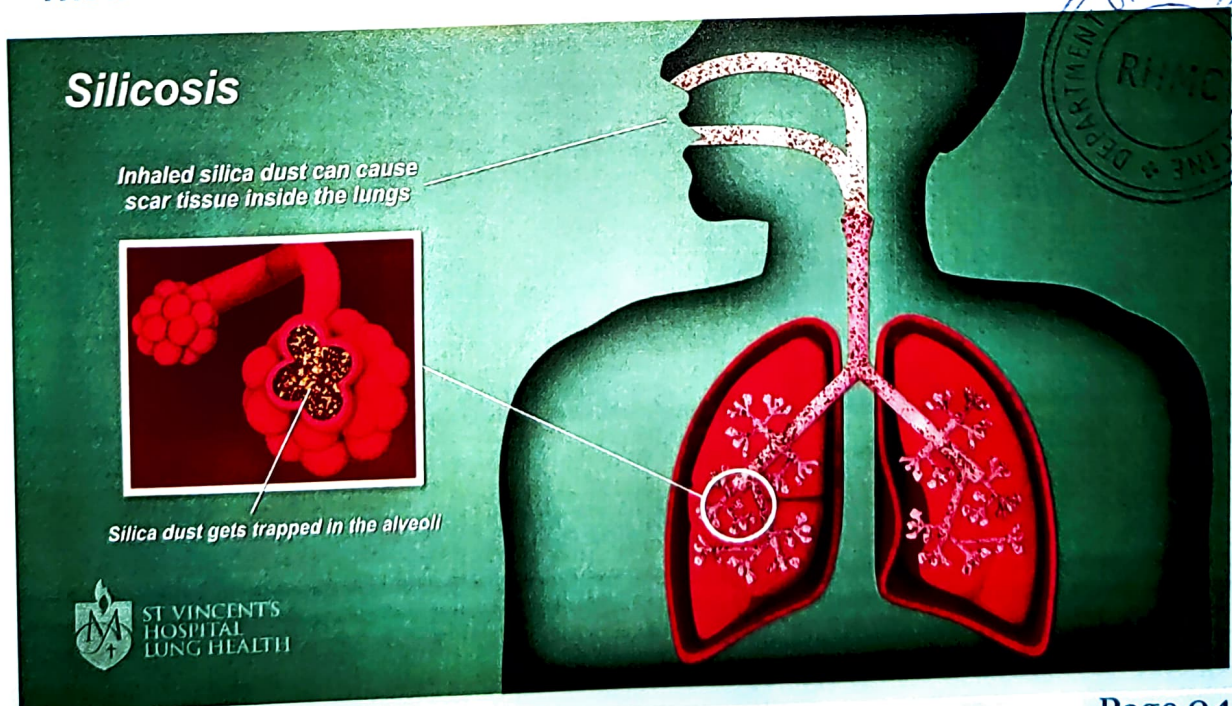
IV. Occupational cancers Cancer of skin, lungs, bladder. **V.** Occupational dermatosis Dermatitis, eczema.

VI. Diseases of psychological origin Industrial neurosis, hypertension, peptic ulcer, etc.



WHAT IS SILICOSIS?

- The term silicosis is reserved for the lung disorder caused by inhalation of free silica, which is an untreatable progressive disease and is the commonest and most widespread of all occupational diseases.
- Exposure to large amount of free silica can pass unnoticed because, silica is odorless, non-irritant and does not cause any immediate noticeable effect and hence is confused with ordinary dust.
- Pneumoconiosis is resulting from exposure to free silica may be the commonest and most extensively studied occupational disease of the lung and even today, it continues to be among the most serious occupational diseases. The problem of silicosis is confined not only to the developing nations, but is also not uncommon in industrialized nations.
- NIOSH has said, "Silica is not just dust but it is dangerous dust". Silicosis increases the risk of contracting Tuberculosis and possibility of developing lung cancer in the future. Silicosis is strongly associated with scleroderma and rheumatoid arthritis.



CLINICAL FEATURES OF SILICOSIS

- Chest pain
- Cough, typically dry & persistent & some times severe
- Cyanosis
- Difficulty in breathing
- Fatigue
- Dyspnea
- Cor pulmonale
- Tachypnoea
- Loss of appetite & Weight loss
- Gradual dark shallow rifts in nail that may eventually lead to cracks as protein fibers within nail bed are destroyed
- Fever

Chronic /Classical silicosis

Most common

20 or more years of exposure

Presence of silicotic nodules

Hallmark

Silicotic nodules develops in the hilar lymph nodes & calcify

Disease progress to fibrosis of the upper lobe

Accelerated Silicosis

Heavy exposure for 5 to 10 years

Presence of silicotic nodules

@VijayPatho



<http://dx.doi.org/10.1136/bcr-2013-200362>

Acute Silicosis

heavy exposure over a short period to high levels of silica of small particle size.

silicotic nodules poorly formed or absent

Mimic pulmonary alveolar proteinosis

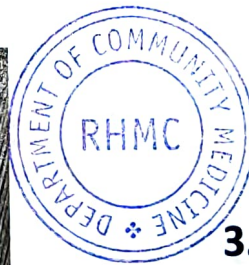


MANUFACTURING PROCESS PHASES FOR TILES



**1.RAW
MATERIAL
STORAGE**

**2.RAW
MATERIALS
WEIGHTING**



**3.RAW
MATERIAL
GRINDING**

4.SPRAY DRYING





**5.SPRAY DRIED
POWDER
PRESSING**

**6.DESIGN
PRINTING**



**7.POLISHING
LINE**



**8.SORTING AND
PACKING**



Epidemiological studies on silicosis in India

- **There are very few epidemiological studies on silicosis in India where the prevalence of silicosis varies from 3.5% in ordnance factory to 54.6% in slate pencil industry.**
- **The varying prevalence in various sectors is attributed to the silica concentration in the work environment and duration of exposure to Silica.**
- **It is probably economic compulsions that the workers choose to work in hazardous environments and are subjected to exploitation.**
- **Considering the huge population employed in mines, surface industries and unorganized sector that are at risk of silica exposure, it can be presumed on the basis of available studies that several hundred thousand workers in India suffer from silicosis.**



CONTROL AND PREVENTION OF OCCUPATIONAL HAZARDS

- The various measures for the prevention of occupational diseases may be grouped under 3 headings:

1. MEDICAL MEASURES
2. ENGINEERING MEASURES
3. STATUTORY OR LEGISLATIVE MEASURES

1. MEDICAL MEASURES:

- Pre Placement Examination
- Periodicals Examination
- Medical And Health Care Services
- Notification
- Supervision Of Working Environment
- Maintenance And Analysis Of Records
- Health Education And Counseling

2. ENGINEERING MEASURES:

- Design Of Building
- Good House-keeping
- General ventilation
- Mechanization
- Substitution
- Dusts
- Enclosure
- Isolation
- Local Exhaust Ventilation
- Protective Devices
- Environmental Monitoring
- Statistical Monitoring
- Research



3. STATUTORY OR LEGISLATIVE MEASURES

- The worker cannot be permitted to endanger his life and limb in an occupation, while the employer makes a fortune. Factory laws, therefore, have been framed in every country to govern the conditions in industry and to safeguard the health and welfare of the worker. The most important factory laws in India today are:

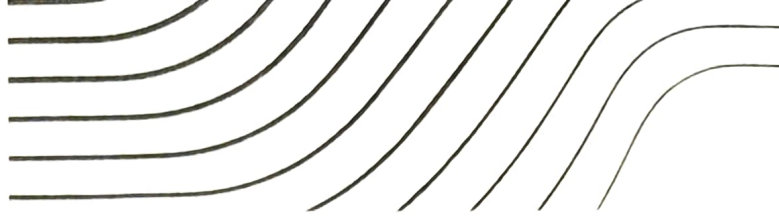
1. The Factories Act, 1948

- The Factories Act, 1948 provides safeguard for workers to protect health, provides for safety at the workplace when dealing with machinery, improves the physical conditions of the workplace, and provides welfare amenities.

2. The Employees' State Insurance Act, 1948

- Its main aim is to provide for compensation to certain employees and their dependents for employment injuries. The ESI Corporation under this Act plays a very important role in this regard. It is responsible for regulating employers' contribution, paying compensation, ensuring compliances, etc.





Date-05-01-23

CERTIFICATE

To Whom it may concern

This is to certify that total 105 students of 4th B.H.M.S. of Rajkot Homoeopathic Medical College, Parul University Department of Community Medicine had visited Siyaram Granito Pvt Ltd, Morbi, on dated 05-01- 2023.

Prof. Dr. Anup Kumar Das (HOD, Dept. Community Medicine) & Dr.Humani Sharma (Assistant Professor, Dept. Community Medicine) accompanied & guided the students during the visit.

For, Siyaram Granito Pvt Ltd

For, Siyaram Granito Pvt Ltd

Director


Director 05-01-23

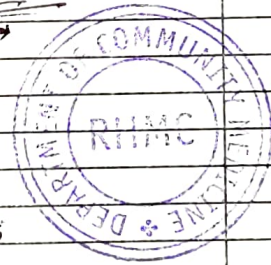
Rajkot Homoeopathic Medical College, Rajkot

COMMUNITY MEDICINE

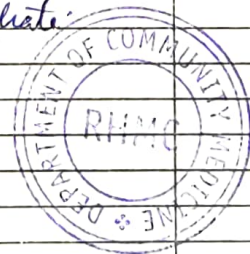
4th B.H.M.S (Batch - 2022-2024)

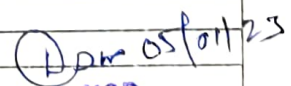
INDUSTRIAL VISIT TO SIYARAM INDUSTRIES

R.No.	E.No.	Name	Signature	Remark
1	190409101001	Adesara Kishan D.	<i>Kishan</i>	
2	190409101002	Bagathariya Vandit K.	<i>Vandit</i>	
3	190409101003	Balar Kabhi U.	<i>Balar</i>	
4	180409101101	Behruni Mohd Daniyal G.	<i>Mohd Daniyal</i>	
5	190409101005	Bhalara Mona M.	<i>Mona</i>	
6	190409101006	Bhatti Abhishek B.	<i>Abhishek</i>	
7	190409101007	Bhuva Sara Suresh	<i>Sara</i>	
8	190409101008	Busa Yash Jayeshbhai	<i>Yash</i>	
9	190409101009	Chauhan Bhagirath D.	<i>Bhagirath</i>	
10	190409101010	Chauhan Dhara H.	<i>Dhara</i>	
11	190409101011	Chauhan Parth G.	<i>Parth</i>	
12	190409101012	Chavda Disha K.	<i>Disha</i>	
13	190409101013	Chavda Krishna A.	<i>Krishna</i>	
14	190409101014	Chavda Mihir S.	<i>Mihir Chavda</i>	
15	190409101015	Chavda Vishva M.	<i>V.M. Chavda</i>	
16	190409101016	Chhayani Dhara A.	<i>Dhara</i>	
17	190409101017	Choksi Saurin Y.	<i>Saurin</i>	
18	190409101018	Chopda Mitesh V.	<i>Mitesh</i>	
19	190409101019	Dadhania Dency J.	<i>Dency</i>	
20	190409101020	Dangariya Bhadraxi B.	<i>Bhadraxi</i>	
21	190409101021	Dhakhada Bhavdip R.	<i>Bhavdip</i>	
22	190409101022	Dharaviya Rashmika J.	<i>Rashmika</i>	
23	190409101023	Dodiya Harpal V.	<i>Harpal</i>	
24	190409101024	Dodiya Shitalben K.	<i>Shitalben</i>	
25	190409101025	Domadiya Dhruvi H.	<i>Dhruvi</i>	
26	190409101026	Fachara Mitesha D.	<i>Mitesha</i>	
27	190409101027	Fefar Aarzo M.	<i>Aarzo</i>	
28	190409101028	Gadara Anjani C.	<i>Anjani</i>	
29	190409101029	Gadara Nishita J.	<i>Nishita</i>	
30	190409101030	Gajera Shruti B.	<i>Shruti</i>	
31	190409101031	Garsondiya Sujeetkumar D.	<i>Sujeetkumar</i>	
32	190409101032	Gohil Prerna R.	<i>Prerna</i>	
33	190409101033	Gol Priyanshi H.	<i>Priyanshi</i>	
34	190409101034	Gunchala Hetvi D.	<i>Hetvi</i>	
35	190409101035	Hadiyal Jyotsana P.	<i>Jyotsana</i>	
36	190409101036	Jadav Jay R.	<i>Jay</i>	
37	190409101037	Jadeja Chandniba P.	<i>Chandniba</i>	
38	190409101038	Jani Kunjan H.	<i>Kunjan</i>	
39	190409101039	Kagathara Yogita S.	<i>Yogita</i>	
40	190409101040	Kalavadia Vrinda K.	<i>Vrinda</i>	
41	190409101041	Kamani Leezaben N.	<i>Leezaben</i>	
42	190409101042	Kanzariya Mohan D.	<i>Mohan</i>	
43	190409101043	Katara Niraliben P.	<i>Niraliben</i>	
44	190409101044	Khaliyani Aiman A.	<i>Aiman</i>	
45	190409101045	Khandar Ravi C.	<i>Ravi</i>	
46	190409101046	Kotila Darshanaben N.	<i>Darshanaben</i>	
47	190409101047	Koyani Isha L.	<i>Isha</i>	
48	190409101048	Limbasiya Harsh K.	<i>Harsh</i>	
49	190409101049	Limbasiya Ruchi H.	<i>Ruchi</i>	
50	190409101050	Majithiya Jinal S.	<i>Jinal</i>	
51	190409101051	Makwana Milan R.	<i>Milan</i>	



E.No.	Name	Signature	Remark
2	190409101052	Malaviya Grishma A.	
53	190409101053	Malaviya Krutisha P.	
54	190409101054	Mansuri Alfina Z.	
55	190409101055	Mithiya Neel P.	
56	190409101056	Momin Humaira M.	
57	190409101057	Nadpara Yashvi P.	
58	190409101058	Nagvadiya Shraddha D.	
59	180409101063	Nimavat Gayti K.	
60	190409101060	Palaliya Mehul R.	
61	190409101061	Panchasara Tulsi K.	
62	190409101062	Parmar Anjali R.	
63	190409101063	Parmar Manasvi G.	
64	190409101064	Parmar Pritiben H.	
65	190409101065	Parmar Rahul L.	
66	190409101066	Patel Dipankumar S.	
67	190409101067	Pathan Hafsabonu S.	
68	190409101068	Patiwala Vidhi J.	
69	190409101070	Rajgor Hency J.	
70	190409101071	Ramani Dhruvisha N.	
71	190409101072	Ramani Rutvik V.	
72	190409101073	Rathod Charmi V.	
73	190409101074	Rathod Mamtaben R.	
74	190409101075	Sakhiya Ishita M.	
75	190409101076	Samani Pooja B.	
76	190409101077	Sanandiyaa Charmi S.	
77	190409101078	Sanchaniya Pallavi V.	
78	190409101079	Sanghani Bansi J.	
79	190409101080	Savadiya Nirali J.	
80	190409101081	Savaliya Nancy V.	
81	190409101082	Savani Dhwani M.	
82	190409101083	Savsani Avani H.	
83	190409101084	Shiyal Hetalben D.	
84	190409101085	Shrimali Upasna G.	
85	190409101086	Shukla Arundhati R.	
86	190409101087	Sindhav Prajval N.	
87	190409101088	Singh Jyoti J.	
88	190409101089	Sorathiya Rajvi B.	
89	190409101090	Tadvi Priyanshiben U.	
90	190409101091	Tapariya Simaranbahen H.	
91	190409101092	Tarbundiya Arunbhai R.	
92	190409101093	Thummar Krupali M.	
93	190409101094	Trivedi Foram R.	
94	190409101095	Vachhani Ruchi Y.	
95	190409101096	Vaghela Nutanbahen V.	
96	190409101097	Vaja Priti Bijal	
97	190409101099	Valani Hiren G.	
98	190409101100	Vasaiya Ankitaben P.	
99	170409101032	Hadiyal Pradip Rameshbhai	
100	160409101028	Jethva Saeed Safibhai	
101	180409101041	Kakkad Priyal Jitendrabhai	
102	160409101038	Khambhala Kalpeshkumar B.	
103	170409101055	Momin Mohammad Sajid	
104	170409101056	Momin Mohammad Samir	
105	1604091001101	Zakhra Varis Kasambhai	




HOD
 Department of
 Community Medicine