**Major Research Project (UGC-MRP) on**

**“CHALK DUST RELATED OCCUPATIONAL HEALTH HAZARDS IN TEACHING COMMUNITY”**

Date: 01-03-2014

**QUESTIONNAIRE (20 - 20 )**

For Head Masters/Class Teachers only: ___________________________________________

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of the school</td>
<td></td>
</tr>
<tr>
<td>Location and address</td>
<td></td>
</tr>
<tr>
<td>Contact number</td>
<td></td>
</tr>
<tr>
<td>History of the school</td>
<td></td>
</tr>
<tr>
<td>Establishment particulars</td>
<td></td>
</tr>
<tr>
<td>School timings</td>
<td></td>
</tr>
</tbody>
</table>

**School Particulars**

1. Status of School
   a. Primary
   b. Secondary
   c. Higher sec
   d. Others

2. Type of School
   a. Government
   b. Corporate
   c. Non-Government
   d. Others

3. Category of School
   a. Urban
   b. Semi-Urban
   c. Rural
   d. Others

4. Total classes & sections in the school
   Classes:
   Sections:
   a. 10
   b. 20
   c. 30
   d. More than 40

5. Total student strength in the school
   a. 50
   b. 100
   c. 150
   d. above 200/ ………
   exact number:

**Teaching Particulars**

6. Mode of teaching in the school
   a. Oral only
   b. Audio-Visual
   c. Electromagnetic screens
   d. all the above
   Audio-visual: LCD projectors / …………. 

7. Type of black boards available in your school
   a. Smooth
   b. Rough
   c. both of the above
   d. others
   
   a. Color of black Board:
   a. Black
   b. Green
   c. White plastic boards with markers
   d. electromagnetic board
   b. Total Number of Black boards: _____________________ (Number)

8. Type of chalk pieces using Dusted / Non-dusted /both:
   a. Colored
   b. White
   c. both of the above
   d. others
9. Brands of chalk pieces that you are using

For colour Chalk pieces:

For White Chalk pieces:

For Dusted chalkpieces:

For Nondusted chalkpieces:

10. Number of boxes consumed per a day

   a. 5  
   b. 10
   c. 15
   d. above 20

   Exact Number …………………

11. Number of boxes consumed per month

   a. 100  
   b. 50
   c. 150
   d. above 200

   Exact number …………

12. Number of boxes consumed per year

   a. 500  
   b. 700
   c. 300
   d. above 700

   Exact number

13. Type of chalk pieces used more in number

   a. dusted  
   b. Non dusted
   c. Others.

14. Number of subjects taken up by a teacher (per year)

   a. 2  
   b. 3
   c. 4
   d. 5

15. Duration of the class period

   a. 40 mins  
   b. 45 mins
   c. 50 mins
   d. 60 mins

16. Total number of teaching hours for each teacher per day

   a. 4  
   b. 5
   c. 7
   d. 8

Socio-demographic features:

17. Number of teachers in the school:

   Male:
   Female:
18. Age wise distribution of Teachers in the School:

<table>
<thead>
<tr>
<th>Age</th>
<th>Number of Teachers in the School</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-30 yrs</td>
<td></td>
</tr>
<tr>
<td>31-40 yrs</td>
<td></td>
</tr>
<tr>
<td>41-50 yrs</td>
<td></td>
</tr>
<tr>
<td>51-60 yrs</td>
<td></td>
</tr>
</tbody>
</table>

19. Age wise distribution of Male teachers in the School:

<table>
<thead>
<tr>
<th>Age</th>
<th>Number of Teachers in the School</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-30 yrs</td>
<td></td>
</tr>
<tr>
<td>31-40 yrs</td>
<td></td>
</tr>
<tr>
<td>41-50 yrs</td>
<td></td>
</tr>
<tr>
<td>51-60 yrs</td>
<td></td>
</tr>
</tbody>
</table>

20. Age wise distribution of Female Teachers:

<table>
<thead>
<tr>
<th>Age</th>
<th>Number of Teachers in the School</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-30 yrs</td>
<td></td>
</tr>
<tr>
<td>31-40 yrs</td>
<td></td>
</tr>
<tr>
<td>41-50 yrs</td>
<td></td>
</tr>
<tr>
<td>51-60 yrs</td>
<td></td>
</tr>
</tbody>
</table>

Sanitation:

21. A. No of toilets in the Schools
   a. 4     b. 2     c. 3     d. 5     e. Exact number

21. B. No of toilets for gents(boys) in the School
   a. 4     b. 3     c. 2     d. 1     e. Exact number

21. C. No of toilets for ladies(girls) in the School
   a. 4     b. 3     c. 2     d. 1     e. Exact number

21. D. Teachers and students are using the same toilets
   a. Yes   b. No   c. Others

21. E. Sources of Drinking water in the School
   a. Municipal water   b. Treated Ground water   c. Ground water/Well
   d. Any other source

21. F. How clean the classrooms are
   a. Not clean   b. Fairly clean   c. Very clean   d. No idea
21.G. How is the ventilation in the school
   a. Good       b. Not good       c. Very good       d. No idea

21.H. Total number of benches in the classroom
   a. 20       b. 30       c. 40       d. More than 40

21.I. Number of Windows in the Classroom
   a. 2       b. 3       c. 4       d. More than 4

21.J. Number of Fans in the classroom
   a. 2       b. 3       c. 4       d. More than 4

21.K. Is classroom provided with teaching Dias: Yes / No

21.L. How many class rooms are with Dias:
   How many class rooms are without Dias:

21.M. Distance between black board and students
   From First row: __________________
   From Last row: __________________

21.N. Area of classroom
   Length in Meters: _________________
   Breadth in Meters: _________________
   Height in Meters: _________________
   Area of the Dias
   Length in Meters: _________________
   Breadth in Meters: _________________
   Height in Meters: _________________

21.O. Length of the black board:
   Width of the black board:
   Distance between the black board and students of first row (   ) & Last row:

21.P. Strength of the students per class: ________________________________

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22. Sampling particulars

Date:
Time:
Temperature: max. ___________ & min: ___________
Relative humidity:
Rain fall in cm:
Samples collected:
Codes:
### Personal and professional details of Identified subjects

<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Height</th>
<th>Weight</th>
<th>Years teaching / Service</th>
<th>Teaching hours</th>
<th>Classroom length</th>
<th>Classroom width</th>
<th>Classroom height</th>
<th>Number of students</th>
<th>Range of Students’ age</th>
</tr>
</thead>
</table>

i. Why you are decided to go into teaching?

ii. What is your expectations of teaching were?

iii. What type of work you likes most in your profession?

iv. Do you find any development in teaching profession?

v. How do you compare/judge teaching profession with other professions?

Date: 01-03-2014
vi. If any change want to made in this profession, what did you expect and why?

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vii. Please summarize your overview on teaching profession?

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viii. How do you manage with curriculum implementation during peak times?

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.................................................................................................................................................................................................

ix. How much effort generally taken to give lecture for 1hr?

For Fresher's:

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For Experienced Teachers

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x. Time for Preparation between the periods?

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xi. How will you manage time to finish the work loads like Supervision duty, Paper work, Preparation and correcting, students evaluations Etc?

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Especially for female teachers

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.................................................................................................................................................................................................

xi. Any additional duties:

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### 2. Diet and Personal habits of teacher(s)

<table>
<thead>
<tr>
<th>Type of food habit</th>
<th>Yes / No</th>
<th>If yes</th>
<th>Total number of teachers Responded Positively</th>
<th>Total number of teachers Say No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vegetarian food</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-vegetarian</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Both Veg&amp; Non-Veg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coffee/Tea (Number cups /Day)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gutka/Pan/Nutpowder (frequency of intake @day)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smoking (No. of cigarettes /day)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filter cigarettes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non Filter cigarettes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohol (frequency of consuming-day/week/month)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 3. Health history of teachers : (Years of Service)

<table>
<thead>
<tr>
<th>Name of the Disease</th>
<th>0-5</th>
<th>5-10</th>
<th>10-15</th>
<th>15-20</th>
<th>20-25</th>
<th>25-30</th>
<th>30-35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhynopharyngitis</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Bronchitis</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Otitis</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Eczema</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Dermatitis</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Arthritis</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Conjuctivits</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Asthma</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Urinary tract infection</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Varicose veins</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Hypertension</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Cystisis</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

- Y means yes
- N means no
- NOB means not observed
4. a. Stress indicators in Teachers

<table>
<thead>
<tr>
<th>Indicators of Stress</th>
<th>Yes / if Yes</th>
<th>No</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rarely</td>
<td>Frequently</td>
<td></td>
</tr>
<tr>
<td>Backpain</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Articularpains</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Headache</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Migraine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anxiety</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sadness</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depression</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diziness</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sleep Problems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spondylitis</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5. Symptoms of Voice Injury in Teachers:

<table>
<thead>
<tr>
<th>Type of Symptom</th>
<th>Yes / if Yes</th>
<th>No</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rarely</td>
<td>Frequently</td>
<td></td>
</tr>
<tr>
<td>Hoarseness</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tired voice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss of voice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss of voice range</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

i. Whether there is a feeling of mucus or lump in the throat?
   a. yes    b. no    c. if yes frequently    d. If yes Rarely

ii. Feeling that effort is needed for speaking?
    a. yes    b. no    c. frequently    d. rarely

iii. Tendency to lose voice frequently?
     a. yes    b. no

iv. Irritation in the throat?
    a. yes    b. no    c. frequently    d. rarely

v. Needs to clear the throat frequently?
   a. yes    b. no

vi. Has change in the quality of voice?
    a. yes    b. no

vii. Feel tired or fatigue after speaking for some time?
     a. yes    b. no

viii. Has medically confirmed voice disorder?
      a. yes    b. no
### 6. Sampling particulars

<table>
<thead>
<tr>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
</tr>
<tr>
<td>Temperature</td>
</tr>
<tr>
<td>max. &amp; min.</td>
</tr>
<tr>
<td>Relative humidity</td>
</tr>
<tr>
<td>Rain fall in cm</td>
</tr>
<tr>
<td>Samples collected</td>
</tr>
<tr>
<td>Codes</td>
</tr>
</tbody>
</table>
1. Are you Aware of Chalk Holders
   a. yes  b. no
2. If yes When did you start using them
3. Do you find any difference in your hands after using chalk holders
Questionnaire related to thermal conditions in class rooms

1. How can you define the level of control of microclimatic conditions?
   a) No control    b) Light control    c) Medium control    d) High control    e) Total control

2. How do you feel about the possibility of controlling thermal comfort?
   a) Very unsatisfied    b) Not satisfied    c) Slightly satisfied    d) Satisfied    e) Very satisfied

3. Can you open/close the window?
   a) No    b) Yes    c) There aren’t any windows

4. How often do you do this?
   a) Never    b) Rarely

5. Can you open/close the external doors?
   a) No    b) Yes    c) There aren’t any doors

6. How often do you do this?
   a) Never    b) Rarely

7. Can you open/close the inner doors?
   a) No    b) Yes    c) There aren’t any doors

8. How often do you do this?
   a) Never    b) Rarely

9. Can you regulate curtains/rolling shutters?
   a) No    b) Yes    c) There aren’t any of them

10. How often do you do this?
    a) Never    b) Rarely

11. Can you regulate fan regulators?
    a) No    b) Yes    c) There aren’t any coils

12. How often do you do this?
    a) Never    b) Rarely

13. At moment in the class room
    a) It was a lot colder    b) It was colder    c) It was a bit warmer    d) It was warmer    e) It was a lot warmer

14. At the moment do you feel Comfortable?
    a) Yes    b) No

15. Type of clothing you weared__________________

16. Mode of Clothing
    a) Half sleeves    b) Full Sleeves

17. Indicate your position in the class room map

Today’s date : __________________________
Present temperature : _________________________