

**B.K.L WALAWALKAR HOSPITAL  
DIAGNOSTIC AND RESEARCH  
CENTRE**

**PROJECT PROPOSAL FOR SCHOOL  
HEALTH CHECK – UP AND  
TREATMENT**

## **INTRODUCTION:**

School going children constitute an important fraction of the total population. School children are also having tremendous latent potential as future human resource of any country.

The health issues associated with school children are unique and need special interventions. Oral hygiene is often poor which leads to dental caries and a host of other oral and dental problems. Many children have Ear, Nose and Throat infections, which can be treated with antibiotics and ensuring clean environmental conditions.

Nutritional status in school children also needs attention and many of them require nutritional supplementation.

Keeping in mind the above challenges B.K.L Walawalkar Hospital proposes to hold a School Health Check-up cum treatment camp with special emphasis on oral and dental hygiene. This camp would be held on periodic basis for school children so that adequate follow-up and monitoring can be maintained.

It is a fact that school health children are periodically screened by government health machinery i.e. by Primary Health Centre Medical Officers, but our project would be unique in the following ways:

1. The approach used would be both preventive and curative. The children would not just be screened but also treated for any abnormalities that might be found.
2. The activity would be on a periodic basis that would include sequential follow-up. This would ensure that the children's health status would indeed be improved.
3. Special emphasis would be on oral and dental hygiene. Basic Information Education and Communication activities on things like regular brushing of teeth etc would be provided to children. This would increase their awareness regarding dental hygiene and also make them aware of ill-effects of substances like gutka.
4. Referral services would be provided for children needing tertiary care. Children would be referred to BKL Walawalkar Hospital if the need arises and basic medical care would be provided free of cost. Special investigations and treatment would however be charged as per the institutions policies.

The project implementation plan (PIP) would be as follows:

**Aim:**

To promote healthy living in school children with special emphasis on preventive measures.

**Objectives:**

1. Screen school children for health and dental problems in Chiplun taluka and suggesting preventive measures for the same.
2. Promoting healthy living and oral health concept by ACSM activities (i.e. Advocacy, Communication and Social Mobilization)
3. Treatment of simple problems like mild dental caries, nutritional deficiencies and other issues that can be dealt at field level.
4. Referring children which need tertiary case to BKL Walawalkar Hospital for further management.
5. Sequential follow-up of children for keeping a track on their health progress.
6. Developing a public- private partnership (PPP) model between governments' educational, health department and BKL Walawalkar Hospital in order to make the programme sustainable.
7. Replicating this PPP model in other talukas of Ratnagiri District.

**Target:**

1. Cover 125 Zilla Parishad Primary Schools (1<sup>st</sup> standard to 7<sup>th</sup> standard) of Chiplun Taluka beginning from 1<sup>st</sup> November 2009 till 30<sup>th</sup> June 2010.
2. Follow-up of all children in these 125 schools from 1<sup>st</sup> July 2010 till 31<sup>st</sup> December 2010.
3. If the model becomes a success then include other taluka and repeat the same process from 1<sup>st</sup> January 2011 to 31<sup>st</sup> December 2011.
4. Evaluation of the project, conducting research and recommending policy protocols from 1<sup>st</sup> January 2012 to 31<sup>st</sup> December 2012.

**Indicators:**

1. Percentage of Schools covered in a particular area.

2. Percentage of school children screened.
3. Percentage of school children with dental caries.
4. Percentage of school children treated for dental caries at field level.
5. Percentage of children having some health morbidity.
6. Percentage of children treated for morbidities other than dental at field level.
7. Percentage of children treated for morbidities at BKL Walawalkar Hospital.

**Calculation of indicators:**

1. Percentage of Schools covered in a particular area  
= Number of Schools Screened/ Total no of schools X 100
2. Percentage of school children screened  
= Number of school children screened/ Total no of children enrolled in school X100
3. Percentage of school children with dental caries  
= No of children having dental caries/No of children screened X100
4. Percentage of school children treated for dental caries at field level  
= No of children treated for dental caries/ No of children having dental caries X100
5. Percentage of children having health morbidity other than dental caries  
= (Total Children having morbidity – Children having dental caries)/ Total Children screened X 100
6. Percentage of children treated for morbidities other than dental at field level  
= Total children treated for morbidities other than dental at field level/ (Total Children having morbidity – Children having dental caries) X 100
7. Percentage of children treated for morbidities at BKL Walawalkar Hospital  
= Total Children treated at Walawalkar Hospital/ Total children having morbidity X 100

**Performance Indicators:**

1. Percentage of Schools covered in a particular area = 100%
2. Percentage of school children screened = 90 %
3. Percentage of school children with dental caries = As per the findings
4. Percentage of school children treated for dental caries at field level = 80%
5. Percentage of children having some health morbidity = As per the findings
6. Percentage of children treated for morbidities other than dental at field level = 80%
7. Percentage of children treated for morbidities at BKL Walawalkar Hospital = 20%

**Methodology:**

Step 1:

Permission would be obtained from C.O Zilla Parishad, District Educational Officer, District Health Officer and Civil Surgeon.

Step 2: Once permission is obtained Block Educational Officer of Chiplun would be contacted and map of Chiplun Taluka, number and location of schools and number of school children would be obtained. Based on the data operational planning for the project would be done which would include the following:

- a. Time table for screening of school children of different schools.
- b. Logistics required for carrying out field activities.
- c. Planning of human resources including doctors, nurses and other staff.
- d. Setting up of referral mechanism to BKL Walawalkar Hospital for tertiary care.
- e. Monitoring and Evaluation methodology.

Step 3: Actual Screening of school children would include the following:

- a. Anthropometric measurements including age, weight, height, Head Circumference, Chest Circumference and Mid-arm circumference.

- b. General examination for Pallor, Icterus, Lymphadenopathy and any other obvious deformities/ malformation.
- c. Oral examination for dental hygiene and dental caries assessment including grading of caries tooth.
- d. Ear Nose and Throat (ENT) check up.
- e. Systemic examination for CVS, CNS, RS and Abdominal System.

#### Step 4: Treatment

- a. Oral dental caries which can be treated at field level would be addressed.
- b. Other morbidities like nutritional deficiencies, minor problems like wax in ears would be treated at school level itself.
- c. Children needing referral services would be referred to BKL Walawalkar Hospital by giving a health note to them which the children would have to give to their parents. The health note will mention the problem found out, which department to visit and when at BKL Walawalkar Hospital.

#### Step 5: Preventive measures

- a. Health education would be provided to children regarding oral dental hygiene and ill-effects of tobacco chewing/ meshri etc.
- b. A kit containing tooth brush and tooth paste would be given to children with actual demonstration of brushing of teeth.
- c. IEC (Information, Education and Communication) would be given regarding various health morbidities and how effectively to prevent them.

#### Step 6: Follow-up:

- a. Sequential follow-up would be done every 3 months till 1 year to assess the progress of these children.

#### Step 7: Research

- a. Data collected would be systematically analyzed to generate useful information which would then be forwarded to respective schools and government machinery.

**Human Resource Planning:**

The following doctors would be included in school health check-up

Sr No	Name of the Doctor	Department
1.	Dr. Wasnik	Community Health Department
2.	Dr. Wadke	Community Health Department
3.	Dr. Konduskar	Dental Department
4.	Dr. Mankame	ENT Department
5.	Dr. Bhopale	ENT Department
6.	Dr. Khedekar	Paediatric Department
7.	Sister In Charge and Nursing Staff	Community Health Department

**Logistic and Financial Planning:**

1. All the logistics required including dental equipments, materials and stationary for arranging screening and treatment camp would be provide by BKL Walawalkar Hospital.
2. Basic treatment and would be provided by hospital free of cost.
3. Tertiary treatment at hospital would be charged according to hospital policy. This would be prior informed to the parents and if parents are ready then advanced treatment would be given.
4. If approved then institution can be recognized under Sarva- Shiksha Abhiyan and cost of advanced treatment can be paid by government through this scheme for needy children.
5. Collaboration would be established with companies manufacturing tooth-paste etc so as to ensure sustainability of the project.

**Institutions involved:**

B.KL Walawalkar Hospital would implement the project in collaboration with educational and health department of government. Corporate companies would support it.

Annexures 1:

Shri Vithalrao Joshi Charities Trust's  
B.K.L WALAWALKAR HOSITAL, DIAGNOSTIC & RESEARCH CENTRE  
Child Diagnostic Form

Name of School:

Class:

Date:

Principal Name:

Principals' Contact No:

Name of Student:

Date of Birth:

Age:

Sex:

Weight:

kgs

Height:

cms

Head Circumference:

cms

Chest Circumference:

cms

Midarm Circumference:

cms

Grade:

KAP:

Q1. What do you use for brushing of teeth?

Q2. How many times per day do you brush your teeth?

Q3. Do you wash your mouth after every meal?

Q3. What are your most preferred snacks?

1. Hygiene:

2. Skin:

3. Eyes:

4. ENT:

5. RS:

6. CNS:

7. CVS:

8. P/A:

9. Oral and Dental Hygiene:

10. Genitals:

11. I/Q:

Diagnosis:

Treatment:

Annexure 2: Child Health Card

Name of Student:

School:

Grade:

Diagnosis:

Investigations:

Treatment:

Referred to Department:

Name of Doctor:

Contact No:

Date of Appointment:

Time of Appointment:

Signature of Referring Doctor:

Signature of Medical Director:

Table No 1: Schools Covered (Till 1<sup>st</sup> January 2010)

Sr No	Name of School	Children Screened
1.	Khandotri School	150
2.	Ratnagiri Pethkilla	159
3.	Makzan School	329
4.	Savarda No 1	51
5.	Savarda Urdu	14
6.	Savarda Kasarvadi School	141
7.	Savarda Bhuvadwadi	47
8.	Savarda Kasasewadi	40
9.	Savarda Colony No 1	44
		Total: 975

Table No 2: Referrals

Sr No	Name of School	Children Screened	Dental	ENT	Paed	Total Referred
1.	Khandotri School	150	102	5	-	107
2.	Ratnagiri Pethkilla	159	67	4	4	75
3.	Makzan School	329	87	64	20	171
4.	Savarda No 1	51	31	-	-	31
5.	Savarda Urdu	14	10	-	-	10
6.	Savarda Kasarvadi School	141	61	10	2	73
7.	Savarda Bhuvadwadi	47	26	7	-	33
8.	Savarda Kasasewadi	40	26	1	-	27
9.	Savarda Colony No 1	44	31	-	1	32
		Total: 975	Total: 441	Total: 91	Total: 27	Total: 559

Table No 3: Dental Treatment Given

Sr No	Name of School	Children Screened	Referred Dental	Dental Treatment Given
1.	Khandotri School	150	102	43
2.	Ratnagiri Pethkilla	159	67	17 + Awaited
3.	Makzan School	329	87	19 + Awaited
4.	Savarda No 1	51	31	21
5.	Savarda Urdu	14	10	6
6.	Savarda Kasarvadi School	141	61	31
7.	Savarda Bhuvadwadi	47	26	Awaited
8.	Savarda Kasasewadi	40	26	Awaited
9.	Savarda Colony No 1	44	31	Awaited
		Total: 975	Total: 441	Total: 137

Table No 4: Dental Treatment Details

Sr No	Name of School	Referred Dental	Dental Treatment Given	CF	SPF	PF	Ext	X ray
1.	Khandotri School	102	43	14	0	10	6	5
2.	Ratnagiri Pethkilla	67	17 + Awaited	11	7	2	0	0
3.	Makzan School	87	19 + Awaited	14	1	12	3	0
4.	Savarda No 1	31	21	8	0	4	1	1
5.	Savarda Urdu	10	6	2	0	2	0	1
6.	Savarda Kasarvadi School	61	31	20	2	3	1	5
7.	Savarda Bhuvadwadi	26	Awaited					
8.	Savarda Kasasewadi	26	Awaited					
9.	Savarda Colony No 1	31	Awaited					
		Total: 441	Total: 137	69	10	33	11	12