

Model School
Parivartan Project, P0221

HRDP, Abohar



Sponsored by HDFC



In HRDP Abohar, conceptualising the model school helped to make at par the schools in rural areas first with required facilities and adding IT facilities along with modern learning aid. A lot of villages deal with infrastructural lacunae, apart from unavailable fundamental health and hygiene requirements. The poor conditions of schools and lack of proper infrastructure in these rural schools is also a big concern. These are the main reasons to drive away students from attending schools.

The Model School Program aims in creating an atmosphere conducive to learning by providing well laid out infrastructure with all the necessary supplies and materials as well as the addressing of necessities like food and water which are all crucial. In HRDP Abohar, till date, two such model school facilities have been provided to Government Senior Secondary Schools. They are in village Pakki Tibbi and Johar Khera. The model schools in these villages comprise of the following facilities provided in project Parivartan:

TOILETS FOR GIRLS AND BOYS

A toilet for girls and boys is necessary, as lack of sanitation facility is one of the reasons schools face dropout particularly for the girl students. The lack of separate toilets for girls and boys is among the top barriers to girls' education. When a girl reaches puberty, access to a separate toilet can be the decisive factor of whether she continues with her education. When girls are menstruating, they need access to a water point and a place to dispose of their pads. Without this, girls may miss up to 5 days of school every month or worse, drop out of school altogether. Girls may also be harassed or attacked when they are looking for a private place if their school doesn't have toilets. Faced with these concerns, girls might choose to limit their consumption of drinks and foods, which can lead to malnourishment and eventually prompt them to drop out. A lack of access to proper sanitation facilities poses a massive barrier to education as children frequently miss school due to hygiene-related diseases.

Acknowledging these concerns, CARD Abohar proposed for a toilet for girls and boys in village Pakki Tibbi. The construction of the toilet over 306 sq ft area, consists of four latrines in the girl's section and two latrines and four urinals in the boy's section. Tiles flooring cover the entire toilet area for easy cleaning.



INTERLOCKING TILE PATH TO TOILETS

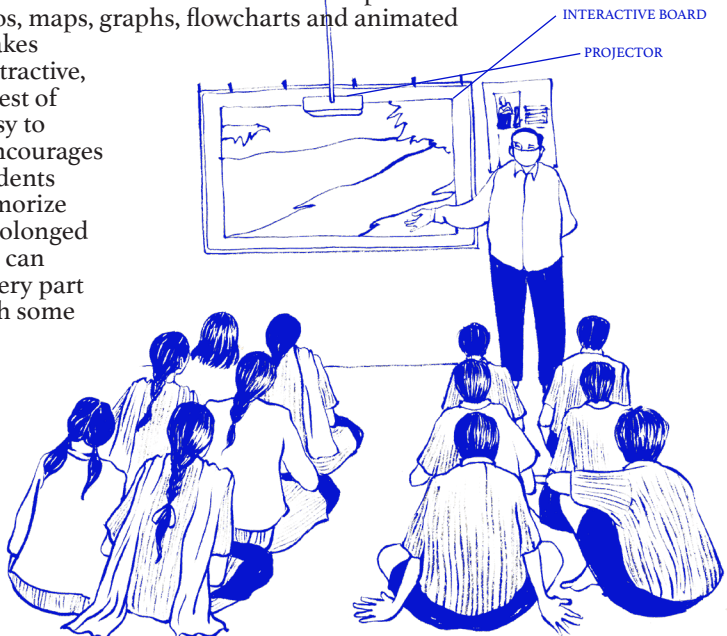


Interlocking tiles path are laid, from the main building to toilets in Senior Secondary School, Pakki Tibbi. As the surrounding area generally becomes muddy, this path has made toilets accessible even when it rains.

SMART CLASS

In HRDP Abohar, Smart class is installed in Senior Secondary Schools of Pakki Tibbi and Johar Khera. It consists of an overhead projector, interactive board, computer system and speaker. Further, there is a green board for noting down points during a lecture.

By using smart classroom technology and interactive whiteboards, the illustration of information takes place with the help of photos, maps, graphs, flowcharts and animated videos which makes learning more attractive, gaining the interest of students, and easy to understand. It encourages the ability of students to learn and memorize the topic for a prolonged period. Teachers can easily explain every part of the lesson with some



special effects and graphic presentations. It helps to create a quick FAQ session between teachers and students that makes a beneficial learning environment in the classroom.

Smartboard technology makes learning experience more fun among the students. It can turn a boring lecture into an interesting and interactive session. Instead of just talking about the topic, digital boards engage students by displaying content in the form of animations, visuals and previews.



COMPUTER LAB

The computer lab serves as the centre for teaching computer use to the whole class, usually by a specialist computer teacher. Classroom teachers also use the lab with their class students for research, or for creating technology-based projects. Technology specialists use the computer lab for teachers in services where they instruct teachers on various aspects of using computers in educational settings. The traditional computer lab often serves as the location for networked printers and scanners that are used by the whole school.

Computer Lab was set up in Government Senior Secondary School, Johar Khara. Under this, 12 computer sets were provided for a computer lab. The school required this lab to provide computer knowledge and make the students' Tech savvy and be competitive in academics. The entire lab will be able to serve around 500 students.

SCIENCE LAB WITH EQUIPMENT

Effective teaching and learning of science involves a perpetual state of show and tell. Good schools combine classroom teaching with laboratory experiments to ensure that their students grasp every concept thoroughly. We can believe that laboratory teaching and experiments conducted there help encourage deep understanding in children.

In the project year 2019 -20, the senior secondary school of Johar Khera has been supported with the infrastructure of a science lab with a dimension of 700 sq ft. The lab consists of slabs provided along the walls and four washbasins to conduct science experiments. Similarly, construction of another lab earlier took place at Government Senior Secondary School, Pakki Tibbi in the project year 2018-19.

Equipment for Science Laboratories from three branches of science viz Physics, Chemistry and Biology has been provided in these labs. A variety of equipment was provided to this school, to study and understand various concepts in science such as motion, force, the reflection of light, oxidation, reduction, measurement, sound, image, and models for studying human organs. It makes scientific concepts available to students in a realistic sense.



BALA PAINTING

BALA is a short form of Building as Learning Aid, where we use the building for different learning purposes.

Building as Learning Aid uses the school environment through developing child-friendly learning and fun-based, physical school infrastructure. BALA uses a variety of interventions like developing the spaces

to create varied teaching-learning situations and develop the built elements in these spaces as teaching-learning aids. BALA paintings covered different building elements like floor, walls, gallery and corridors. Generally, we can find different types of uses of walls for painting, writing the quotes, drawing the maps etc. Up to 4000 sq ft of BALA painting covered the wall of the school building in the project year 2019 – 20. It consisted of matters majorly from science subject such as mathematical formulas, the periodic table, solar system on the ceiling, body parts, map of the world, etc.





MID-DAY MEAL SHED

The mid-day meal shed under project Parivartan has been constructed in Government Senior Secondary, Johar Khera. The school expressed its need for a mid-day meal shed in its compound as it is difficult for them to accommodate its large number of students. The mid-day meal scheme benefits around 200 students studying in class sixth to eighth.

It was strenuous to provide mid-day meal to all the students at a short time as there was a lack of a large structure. The school requested the CARD team in its School Management Committee for a mid-day meal shed. Based on the request CARD team took measurements of the spot, where school proposed for a mid-day meal shed. The measurements gave the estimate for a mid-day meal shed of 2400 sq ft area with a kitchen inside. The kitchen has a slab and refrigerator for storage of food items to be cooked and a washbasin for cleaning the utensils.

About the Organisation

Centre for Advanced Research & Development (CARD) has been established to promote action research and to apply its findings for the protection and development of society and its environment. We primarily promote Rural Livelihoods through sustainable human and natural resource management. CARD believes in Mainstream Development and Community-based Natural Resource Management approach to reduce rural poverty. The sustainability of this approach depends upon the extent of empowering the communities at all levels by educating them on cost and benefits sharing, and judicious use of their entitlements available to them through various means.

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