



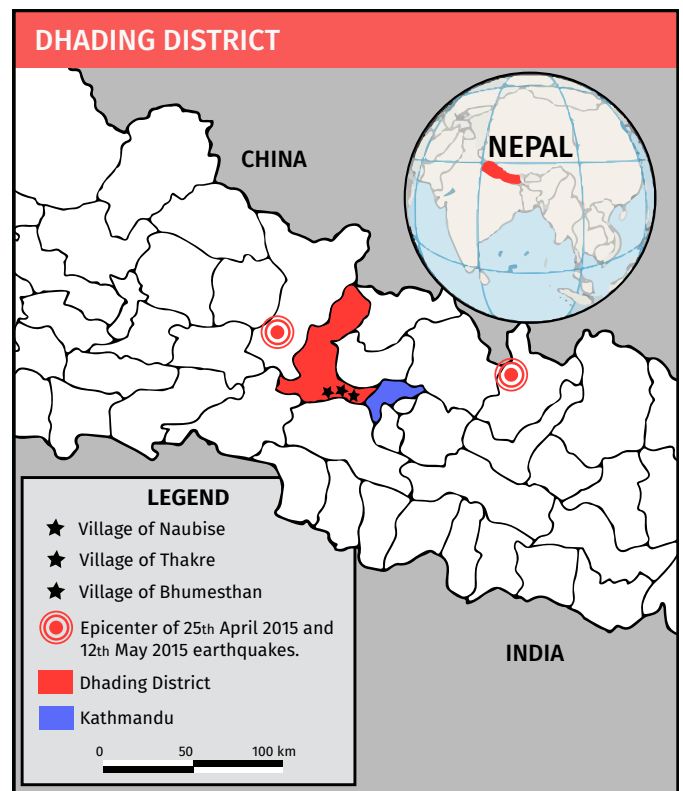
# PROJECT PROPOSAL INFRASTRUCTURAL DEVELOPMENT & QUALITY OF TEACHING-LEARNING IN SHREE ADARSHA SECONDARY SCHOOL

## RATIONALE

It is estimated that almost 80% of Nepali children belonging to the lower economic strata attend community schools<sup>1</sup>. These community schools are inadequately resourced and lack proper teaching materials, basic classroom infrastructure such as desks and benches, libraries, quality reading and educational materials, and other essentials. Separate hygienic toilets for girls and boys are not common place and the lack of washing facilities (WASH) force female students to remain absent during menstruation.

The sum effect of these have a profound impact on the quality of how children are taught. The lack of essentials has taken a toll on the children's academic achievement, as well as attendance. Though the government has prioritized the education sector, in terms of financial investment through donor organizations and itself, the National Assessment Students' Achievement (NASA) performed every year by the government indicates that the quality of primary education has been on a downward spiral trend. Government statistics in the Flash Report 2015<sup>2</sup> indicates that 98% of the teachers have been trained to deliver child-centered progressive education. However, research indicates that teachers are not able to implement the skills learned. Hence, trainings received by teachers have been questioned for its quality and effectiveness.

Furthermore, the already dilapidated conditions of the schools were worsened by the 2015 earthquake. As per UNICEF, more than 35,000 classrooms were destroyed and rendered unsafe for educational use.



Association Ek Pahila has been tirelessly working with community schools in Nepal since 2011. Currently, Ek Pahila aims to collaborate with three community schools in Dhading, which is among the most earthquake affected districts in Nepal. The collaboration aims to improve existing physical infrastructure and build the capacity of teachers to teach students in a child-friendly manner. The theme of this collaboration is also to help schools achieve the Minimum Enabling Conditions mandated by the Department of Education.

<sup>1</sup> Performance Of Community Schools In Nepal: A Macro Level Analysis, Deepak Raj Parajuli, Tapash Das

<sup>2</sup> 4 Flash Report, 2015-2016, DoE, P8

# ABOUT EK PAHILA FOUNDATION

Association Ek Pahila is a non-profit organization established in 2011 in France (W353009607) and is also registered in Nepal with District Administration Office (3414/068) and Social Welfare Council (33817) as Ek Pahila Foundation. Its goal is to help government funded community schools in rural areas of Nepal by improving their existing infrastructure, organizing leadership training and establishing income generating projects.



Helping community  
schools



Improving Education  
in Nepal



Self-sustainable  
projects



Collaborative  
environment

## BACKGROUND

Nepal has three categories of schools: Community, privately run and religious schools. Under the government policy, secondary education in community schools is free up to grade twelve. Nepal is a least developed country where a majority of its citizens live in rural areas and one out of every four persons live under the poverty line<sup>3</sup>. Under such circumstances, most parents and guardians have no other choice and are compelled to send their children to local community schools. The private schools mostly cater to the lower and upper middle class, which represents approximately 20% of the entire population<sup>4</sup>.

In this context, community schools in Nepal have a very important role in contributing to the socio-economic development of the country. The Government annually allocates an average of 15%<sup>5</sup> of its national budget for the education sector and nearly three fourth of it is expended on salaries and perks of the teachers, while the rest is utilized for construction/maintenance of school buildings, management expenses, and scholarships for girl students as well as text books. In addition, the budget for the education sector has been decreasing for the past seven years and the funds received by the schools is so inadequate that they are compelled to look for external assistance. Many national and international organizations have been either working directly with the Government or individual schools in order to bridge the funding gap.



<sup>3</sup> <http://data.worldbank.org/country/nepal> (World Bank)

<sup>4</sup> <http://southasiamonitor.org/detail.php?type=eco&nid=3250> (South Asia Monitor)

<sup>5</sup> Nepal Government, Ministry of Education



# PROJECT DETAIL

The project will be implemented in three schools in Dhading district. The following interventions will be made in each of the schools.

## SCIENCE LABORATORY

A well-equipped science lab will be setup in all three schools. The designated classroom for the science lab will be painted and refurbished. Needless to say, a science lab allows students to have a practical first-hand experience and can effectively overcome the limitations of a conventional classroom. Hence, a fully equipped science lab would greatly help the students acquire practical scientific knowledge and learn through experimentation and experiential learning.



## EARLY CHILDHOOD CLASSROOM

Acknowledging the fact that Early Childhood Education is crucial to students' proper adjustment in elementary school as well as their success in later years, Association Ek Pahila will help the schools to set up a classroom for Early Childhood Education. The Early Childhood Classroom will also receive a fresh coat of paint along with new well insulated carpets and needed educational and learning materials for students and teachers. This will help the facilitators to teach in a child friendly manner and also encourage children to come and enjoy their time in school. In addition, this will be a useful learning experience for the students which will effectively help them to progressively grow acquiring necessary skills for their further studies.

## LIBRARY RESTOCKING

A library is an important part of the school education system. A well-stocked library can help teachers and children to gain additional knowledge. The library can also cater the needs of children when they have to do research of their interest or have to do an assignment that requires reading content beyond their textbooks.

These schools have libraries but most of the books are old, torn and many have gone missing over the years. No new books have been added since a fairly long time. Restocking the library with nearly 3000 new titles ranging from teacher's guides to student handbooks will provide them with opportunities to explore more for added knowledge and information.

## SCHOOL LEADERS TRAINING

The low performance of the schools and its pupils can be attributed to the fact that School Leaders don't get periodic trainings that they need for better management of schools and proper facilitation of teaching-learning processes in classrooms. This has prompted Association Ek Pahila to develop a training module on School Leaders' training spanning three days. This training awakens and enables school leaders to create a structure that demands goal setting and implementation, accountability and trust. The same module would be implemented in the three schools with an aim to build capacity of the school leaders.

# OBJECTIVES OF THE PROJECT

The general objective of the project is to improve the existing physical infrastructure of the schools and to enhance the competencies of the teachers and principals.

Specific of Objectives of the project includes:

1. Establishing three science labs in three schools;
2. Restocking children literature and teachers' reference books in existing libraries in three school;
3. Set up three Early Childhood Development classrooms with necessary amenities;
4. Organize a school leadership training for the principal and School Management Committee (SMC), pedagogical training for teachers.

## GEOGRAPHICAL LOCATION AND BENEFICIARIES

### ***Shree Adarsha Secondary School***

The school is located in Tasarpu Village Development Committee (VDC) in Dhading district, 46 kilometer south-west from Kathmandu alongside the Tribhuvan Highway, the oldest highway linking Nepal with India. The VDC has 1500 households with approximately 7000 inhabitants. The demographic distribution of the area has predominantly ethnic Tamangs<sup>6</sup> constituting nearly 95% of the total population. The remaining 5% consists of Magars, Brahmin-Chettri belonging to so called upper caste and Dalit and Chepangs, belonging to lowest rung of the caste system.

The catchment area of the school consists of a population of about 2592 in total of which 98% of the population are Tamangs with children having one of the lowest academic achievement. The school presently has 374 Tamang students of which 203 are girls. The school caters up to grade 10 and also includes an early child development class. The school has a headmaster and 11 teachers.

The school was established in 1990 as a primary school and by 2012 it had upgraded to secondary level. Both buildings belonging to the school suffered severe damage during the earthquake in April 2015. While the building utilized by the students of lower secondary and secondary level have now been repaired and considered safe for conducting classes, the classes for the primary grades are conducted in temporary learning centers built after the earthquake. Maintenance and repair work on both buildings is still in progress two years after the earthquake.



<sup>6</sup> <https://tamangsamaj.wordpress.com/about-tamang/>

# PROJECT MANAGEMENT

Association Ek Pahila takes responsibility for overall fundraising, implementation of the above mentioned activities and also conduct monitoring and evaluation for this project. A steering committee will be formed which will consist of four members from the School Management Committee (SMC-1, Member-2) and the Project Director from Association Ek Pahila. The Project Director of Association Ek Pahila or its delegated staff will be responsible for providing financial support, coordination, and overseeing activities regarding the project. The budget for the project is mentioned in Annex 2.

## TIMELINE

#	Task	Estimated duration	Year 2017					
			Jan	Feb	March	April	May	June
1.	Selection of Schools	1 month						
2.	Memorandum of Understanding with District Education Office	1 day						
3.	Sciences lab set up	1 month						
4.	Early Childhood Classroom up gradation	2 months						
5.	Library Restocking`	2 months						
6.	School Leaders Training	1 week						



# MONITORING AND EVALUATION STRATEGY

Association Ek Pahila's monitoring and evaluation strategy for its projects will be constructed around a logical framework model that defines the overarching project goal and which contains an unambiguous project purpose, and includes component objectives, outputs, and specific activities. Association Ek Pahila will use the SMART criteria system, whereby project indicators are validated according to whether they are 'specific,' 'measurable,' 'attainable,' 'realistic,' and 'time bound'. A stakeholder analysis will also be conducted in the project design phase.

Association Ek Pahila will conduct baseline and end line surveys and the analysis and evaluation of all data collected at the completion of the project will determine the extent to which project objectives have been achieved, and whether there are any areas for improvement. In longer term projects, interim evaluations will be conducted. Association Ek Pahila will report on the progress and impact of its projects as per donor instructions.

## BUDGET

S.n	Description	Estimated budget in euros	Estimated budget in USD
1	Early Childhood Classroom up gradation	1500	1621
2	Sciences lab set up	2600	2809
3	Library Restocking	1200	1297
4	School Leaders Training	900	972,5
	Sub total	6200	6699
5	Coordination cost	2125	2296
	Total	8325	8995

Exchange rate on 25/03/2017: 1€ = 1.0805 US\$



# APPENDIX

## Appendix 1. List of students

Class			
	Boys	Girls	Total
Early Childhood Development classroom	5	16	21
Grade 1	3	7	10
Grade 2	13	9	22
Grade 3	14	11	25
Grade 4	11	10	21
Grade 5	18	17	35
Grade 6	22	29	51
Grade 7	30	19	49
Grade 8	25	24	49
Grade 9	17	28	45
Grade 10	9	28	37
Total	171	203	374

## Appendix 2. List of science-lab materials

S.n	Description of goods	Number
1	Microscope	1
2	Woulf bottle	depending on the number students
3	Delivery tube/rod	depending on the number students
4	Conical flask 250 ml	depending on the number students
5	Beaker 250ml borosil	depending on the number students
6	Bunsen Burner with stop cock	depending on the number students
7	Water Trough	depending on the number students
8	Spatula S/S 6"	depending on the number students
9	Retort stand with clamp	depending on the number students
10	Tripod Stand 7"x4 Superior	depending on the number students
11	Cork Borrer Set	depending on the number students
12	Cork rubber	depending on the number students
13	Wire Gauge with Frame 6"x6"	depending on the number students
14	Porcelain Basin 75mm	depending on the number students
15	test tube 18x150 100pc=1box	depending on the number students
16	Test Tube Holder Brass	depending on the number students
17	Test tube rack	depending on the number students
18	Sprit lamp s,s	depending on the number students
19	Sprit 400ml	depending on the number students
20	Wash Bottle 250ml (Plastic)	depending on the number students
21	Dropping bottle 60ml	depending on the number students
22	Reagent bottle 125ml	depending on the number students
23	Gas jar 6x2 with lid	depending on the number students
24	Watch glass	depending on the number students
25	Filter paper12.5cm dai	depending on the number students
26	Thistle Funnel	depending on the number students
27	Pipette	depending on the number students

28	Lime water 500ml	depending on the number students
29	Potassium paramagnet 500gm	depending on the number students
30	Calcium carbonate 500 gm	depending on the number students
31	Sulphuric acid 500ml	depending on the number students
32	Hydrochloric acid 500ml	depending on the number students
33	Marble chips 500gm	depending on the number students
34	Copper sulphate 500gm	depending on the number students
35	Sodium hydroxide 500 gm	depending on the number students
36	Hydrogen peroxide 500ml	depending on the number students
37	Calcium hydroxide 500gm	depending on the number students
38	Methyl orange 125ml	depending on the number students
39	Phenolphthalein 125ml	depending on the number students
40	Litmus red	depending on the number students
41	Litmus blue	depending on the number students
42	Ammonium chloride 500gm	depending on the number students
43	Ammonium Solution 500 ml	depending on the number students
44	Camphor 100gm	depending on the number students
45	copper metal turning 250gm	depending on the number students
46	Glycerol 500ML	depending on the number students
47	Iodine sol 125ml	depending on the number students
48	Iron metal fillings 500gm	depending on the number students
49	Magnesia dioxide 500gm	depending on the number students
50	potassium chlorate 500gm	depending on the number students
51	safranin solution 125ml	depending on the number students
52	Sodium bicarbonate 500gm	depending on the number students
53	Sodium nitrate 500gm	depending on the number students
54	Sodium nitrite 500gm	depending on the number students
55	Zinc metal 500gm	depending on the number students
56	Flat bottom flask 250ml	depending on the number students
57	Thermometer lab	depending on the number students
58	Hydrometer	depending on the number students
59	Lactometer	depending on the number students
60	copper wire	depending on the number students
61	room thermometer	depending on the number students
62	Hand lens	depending on the number students
63	Distillation flask 250ml	depending on the number students
64	Test tube brush	depending on the number students
65	Pulley single metal	depending on the number students
66	Pulley double metal	depending on the number students
67	Bar Magnet 2"	depending on the number students
68	Bar Magnet 3"	depending on the number students
69	Drawing board	depending on the number students
70	Mirror plane	depending on the number students
71	Prism 38x38	depending on the number students
72	Glass slab 75x50x18mm	depending on the number students
73	pendulum Bob set of 6	depending on the number students



74	Alcohol thermometer	depending on the number students
75	Concave/Convex Lenses	depending on the number students
76	Concave/Convex mirror	depending on the number students
77	Meter scale	depending on the number students
78	Newton color disc	depending on the number students
79	Dyanamomodel	depending on the number students
80	Magnetic compass	depending on the number students
81	Stop watch	depending on the number students
82	Ammeter	depending on the number students
83	Voltmeter	depending on the number students
84	Galvanometer	depending on the number students
85	Student microscope	depending on the number students
86	carbon rod /zinc rod	depending on the number students
87	Bell Jar 9"x6"	depending on the number students
88	Dissection set	depending on the number students
89	DNA/RNA model on Board	depending on the number students
90	Dissecting Needle	depending on the number students
91	Dissecting Tray with WAX	depending on the number students
92	Glass Slide (Temporary)100pcs	depending on the number students
93	Periodic Table Poly Art	depending on the number students
94	Gloves (disposable) normal 100pcs	depending on the number students
95	Slide Box 25 Slide	depending on the number students
96	Wash Bottle 250ml	depending on the number students
97	Glass Slide (Permanent)	depending on the number students
98	cover slip	depending on the number students
99	Universal Indicator paper 10pkt=1box	depending on the number students
100	labeo	depending on the number students
101	anemone	depending on the number students
102	prawn	depending on the number students
103	Earthworm	depending on the number students
104	scolidon fish	depending on the number students
105	naries	depending on the number students
106	gold fish	depending on the number students
107	rahu fish	depending on the number students
108	autedon	depending on the number students
109	bat	depending on the number students
110	Spider	depending on the number students
111	Crab, Unio	depending on the number students
112	Toad	depending on the number students
113	Wall Lizard	depending on the number students
114	Earthworm	depending on the number students
115	Starfish, Octopus	depending on the number students
116	Millipede, Centipede	depending on the number students
117	Histological Slide of Mammal	depending on the number students
118	Tissue (All Categories)	depending on the number students
119	Development Of Frog (Diff Stage of Cell & .....)	depending on the number students

120	Histological Slide of Frog	depending on the number students
121	Permanent Slides	depending on the number students
122	plant cell	depending on the number students
123	animal cell	depending on the number students
124	paramecium	depending on the number students
125	amoeba	depending on the number students
126	hydra	depending on the number students
127	Of Mitosis Set Of 5	depending on the number students
128	of Meiosis Cell Division set of 12	depending on the number students
129	Spirogyra Lat., Conj., intestine, Rectum, Liver	depending on the number students
130	Pinus Female Cone	depending on the number students
131	Tortoise	depending on the number students
132	Bat	depending on the number students
133	Turtle	depending on the number students
134	Frog Skeleton in Show Case	depending on the number students
135	Permanent Slides of Mitosis	depending on the number students
136	Permanent Slides of Meiosis Cell Division set of 12	depending on the number students
137	Spirogyra Lat. Conj., Salivary Form	depending on the number students
138	Heart model	depending on the number students
139	Eye model	depending on the number students
140	Brain model	depending on the number students
141	Lungs model	depending on the number students
142	Liver model	depending on the number students
143	Kidney model	depending on the number students
144	Human physiology chart	depending on the number students
145	Human skeleton	depending on the number students
146	Beehive self	depending on the number students
147	Verinier caliper	depending on the number students
148	Wall thermometer	depending on the number students
149	Water voltammeter	depending on the number students
150	Weight box	depending on the number students
151	Funnel	depending on the number students
152	Beaker 500ml	depending on the number students
153	Blotting paper	depending on the number students
154	Conical flask 500ml	depending on the number students
155	Dropper	depending on the number students
156	U Magnet	depending on the number students
157	Max min Thermometer	depending on the number students
158	Magnetic compass 50mm	depending on the number students
159	Micrometer	depending on the number students
160	Hard glass test tube	depending on the number students
161	Mortar and pestle	depending on the number students
162	Top pan Balance	depending on the number students
163	Triangular file	depending on the number students
164	Electric bell	depending on the number students
165	Electro magnet	depending on the number students

166	Horseshoe magnet	depending on the number students
167	Pulley triple	depending on the number students
168	Rain gauge	depending on the number students
169	Ring and ball	depending on the number students
170	slinky spring	depending on the number students
171	Spring balance	depending on the number students
172	Wind mill	depending on the number students
173	Clinical thermometer	depending on the number students
174	copper voltmeter	depending on the number students
175	Tuning fork with rubber pad	depending on the number students
176	Zinc /copper plate	depending on the number students
177	First aid box	depending on the number students
178	Funnel 3" (polylab) 10	depending on the number students
179	Measuring Cylinder 100 ml (polylab)	depending on the number students
180	Measuring Cylinder 250 ml (polylab)	depending on the number students
181	Measuring Cylinder 50 ml (polylab)	depending on the number students
182	Measuring Cylinder 500 ml (polylab)	depending on the number students
183	Overflow can plastic	depending on the number students
184	Electric solar system model	depending on the number students
185	phases of moon set electric	depending on the number students

### **Appendix 3. List of educational materials for Early Child Development class**

<b>S.n</b>	<b>Description of goods</b>	<b>Number</b>
1	Nepali alphabet Jigsaw puzzle	depending on the number students
2	English alphabet Jigsaw puzzle	depending on the number students
3	English Numerical Jigsaw puzzle	depending on the number students
4	Nepali Numerical Jigsaw puzzle	depending on the number students
5	Wooden clock	depending on the number students
6	Shape Sorting Box	depending on the number students
7	Color Building Blocks	depending on the number students
8	Attribute set	depending on the number students
9	Wooden beads	depending on the number students
10	Geometrical Shapes	depending on the number students
11	Parquet Board	depending on the number students
12	Snake Puzzle	depending on the number students
13	Abacus	depending on the number students
14	Nepali numerical cubes	depending on the number students
15	Tower ring	depending on the number students
16	Crayons colors	depending on the number students
17	Nepali dolls	depending on the number students
18	Musical instruments set	depending on the number students
19	Animals puzzles	depending on the number students
20	Calculation self	depending on the number students
21	Varieties of plastic and rubber balls	depending on the number students
22	Varieties of posters	depending on the number students
23	Stationary items (pencils, textbook, erasers)	depending on the number students



#### Appendix 4. List of educational materials for the library

S.n	Description of goods	Number
1	English dictionary	depending on the number students
2	Nepali dictionary	depending on the number students
3	English to Nepali dictionary	depending on the number students
4	Nepali to English dictionary	depending on the number students
5	Sciences dictionary	depending on the number students
6	Maths dictionary	depending on the number students
7	Computer dictionary	depending on the number students
8	Economics dictionary	depending on the number students
9	Government teaching syllabus books for all subjects taught	depending on the number students
10	Nepali literature books for junior and senior students	depending on the number students
11	English literature books for junior and senior students	depending on the number students
12	Nepali story books for 5 to 8 years old	depending on the number students
13	English story books for 5 to 8 years old	depending on the number students
14	Geometrical and mathematical sets	depending on the number students
15	Nepali and English novels	depending on the number students
16	Stationary items	depending on the number students



# ASSOCIATION EK PAHILA

## CONTACT INFORMATION

### ORGANIZATION DETAILS

Email: [ekpahilanepal@gmail.com](mailto:ekpahilanepal@gmail.com),

### ORGANIZATION REGISTRATION NUMBER IN FRANCE

W353009607

### WEBSITE

[www.ekpahila.org](http://www.ekpahila.org)

### FOR ONLINE DONATION

<http://www.ekpahila.org/en/donations/donate-now/>

### ACCOUNT DETAILS

Bank: Societe Generale Bank code: 30003

Code guichet: 01756

Account number: 000 50 11 51 17

RIB: 83

BIC: SOGEFRPP

For Europe (SEPA): FR 76 3000 3017 5600 0501 15 11 783