

PROPOSAL ON SCHOOL SCIENCE LAB (SLaB)
SHREE ADARSH SECONDARY SCHOOL AADARSHNAGAR,
BIRGUNJ – 10, PARSA, NEPAL



School premises

PROJECT NAME: Installation of Science Equipment in the Science Lab (S Lab)

PROJECT SUMMARY: Arrangement of Science Equipment in the Science Lab

APPROXIMATE PROJECT DATES: 25th April 2026 – 26th July 2026

ABOUT THE COMMUNITY:

Adarshanagar, Birgunj is a vibrant and culturally rich community located in the Birgunj Metropolitan City of Nepal. It is renowned for its deep-rooted traditions, skilled artisans, and strong sense of local identity. This ancient city, situated near the border of India, is especially famous for its beauty, colorful festivals, and its role as an economic hub of Nepal, while preserving Madheshi culture.

The residents of Birgunj are predominantly Madheshi, an indigenous group known for their artistic heritage, unique cuisine, and community-based lifestyle. Festivals such as Holi, Chhath, Dashain,

Jitiya, and Tihar highlight the town's spirit, attracting crowds with chariot processions, traditional music, and vibrant rituals that reflect the harmonious blend of Hindu and Madheshi practices.

Despite urban development, the community remains closely knit, with a strong emphasis on preserving cultural values and promoting local craftsmanship.

ABOUT THE SCHOOL:

Shree Adarsha Secondary School, located in Adarshanagar, Birgunj-10, Parsa, Nepal was established in 1979 A.D. (2036 B.S.). The principal is Ram Binod Pandey. The school has a total of 603 students, including 240 girls and 363 boys.

There are 30 teachers providing quality education and 15 non-teaching staff supporting the school. The school offers a dynamic learning environment for students from playgroup to Grade 10. It is an English-medium co-educational school known for its strong academic environment and proven quality education.

The school is situated in a spacious area with a pleasant and stimulating atmosphere. It combines spiritual education with modern technology to develop refined human resources.

We believe that knowledge is created, shared, and applied effectively. Therefore, we strive to sow the seeds of knowledge in the minds of our students, helping them grow into responsible and capable individuals. The ultimate goal of education is to cultivate a spirit of service toward humanity. Hence, Shree Adarsha Secondary School is committed to addressing the core issues in education.

ABOUT THE PROJECT:



Present Situation of the Science Lab

The science lab of the school currently has only a few pieces of equipment, which are insufficient for students to carry out practical work. There are only a few racks, and there is no sink or access to water. Additionally, there is no proper slab or workspace for students to perform practical activities.



Students in Science Lab

ANTICIPATED BENEFITS: The project is expected to bring several educational and developmental benefits:

- Improved team works and communication.
- Improved academic performance.
- Students practice practical technical skills that are useful in their lives.

- Hands on learning and increased engagement.
- Development of critical thinking and problem solving skills.

PRIMARY BENEFICIARIES: The main beneficiaries of this project include:

- Students (Grades 1–10 or higher): Gain practical exposure and improved learning outcomes
- Science Teachers: Get better resources to teach effectively and creatively
- School Community: Enhances the overall quality and reputation of the school
- Future Students: Continue to benefit from improved infrastructure and learning environment

DETAILED BUDGET:

A. From LSF/E4E

1. Physics

SN	Item	Unit	Qty	Rate (NPR)	Total (NPR)
1	Pipette Borest	70 m	2 pc	550	1100
2	Burette Borest	250 m	2 pc	550	1100
3	Spirit Lamp	-	2 pc	225	450
4	Clinical Flask	250 m	6 pc	450	2700
5	Beaker	250 m	8 pc	450	3600
6	Measuring Cylinder	1000 ml	5 pc	995	4975
7	Woulf's Bottle	250 ml	5 pc	475	2375
8	Woulf's Cork	-	10 pc	35	350
9	Cort Borer	-	8 pc	850	6800
10	Traingular File	-	6 pc	225	1350
11	Glass Prism	-	5 pc	400	2000
12	Glass Slab	-	5 pc	300	1500
13	Pan Balance	-	1 pc	1600	1600
14	Beam Balance	-	1 pc	7500	7500
15	Conical Flask	-	8 pc	750	6000
16	Water Bottles	-	5 pc	500	2500
17	Measuring Cylinder	-	8 pc	300	2400
18	Hand Lens	-	1pc	100	100
19	China Dish	-	2 pc	500	1000
20	Burners	-	2 pc	800	1600
21	Glass Pipes	-	25 pc	350	8750
22	Test tube	-	1 pc	350	350

23	Nicolbans Hydrometer	-	2 pc	600	1200
24	Plane Mirror	-	1 pc	250	250
25	Max Min Thermometer	-	2 pc	400	800
26	Compass Magnetic	-	2 pc	350	700
27	Pulley	-	2 pc	250	500
28	Electric Bell	-	1 pc	1225	1225
29	Telescope	-	1 pc	11000	11000
30	Barometer	-	2 pc	1450	2900
31	Hydrometer	-	2 pc	750	1500
32	Lactometer	-	2 pc	300	600
33	Clinical Thermometer	-	2 pc	250	500
34	Lab Thermometer	-	2 pc	400	800
35	Digital Thermometer	-	2 pc	200	400
36	Thermal Gun	-	2 pc	2200	4400
37	Concave Mirror	-	2 pc	100	200
38	Convex Mirror	-	2 pc	110	220
39	Plane Mirror	-	2 pc	250	500
40	Hand Lens	-	2 pc	350	700
41	Ammeter	-	2 pc	750	1500
42	Voltmeter	-	2 pc	750	1500
43	Galvanometer	-	2 pc	750	1500
44	Dynamo	-	2 pc	1000	2000
45	Copper Coil	-	2 pc	900	1800
46	Newtoric Color Disc	-	2 pc	800	1600
47	Spring Balance	-	2 pc	350	700
48	Eureka Can	-	2 pc	85	170
49	U Shaped Magnet	-	2 pc	400	800
50	Bar Magnet	-	2 pc	350	700
51	Solar System Chart	-	2 pc	650	1300
	Total				1,02,065.00

2. Chemistry

SN	Item	Unit	Qty	Rate (NPR)	Total (NPR)
1	Calcium Oxide	500gm	1 pc	550	550
2	Sodium Carbonate	500gm	1 pc	650	650
3	Potassium Hydroxide	500gm	-	1100	1100
4	Cork boares and cork	25/50		450	450
5	PH Meter	-	2 pc	2600	5200
6	Phenolphathelein	-	1 pc	400	400
7	Ammonium Chloride	500	-	650	650
8	Atomic Model	-	2 pc	1500	3000

9	Litmus Paper (Red)	-	5 pc	150	750
10	Litmus Paper (Blue)	-	5 pc	150	750
11	Hard Glass Tube	-	100 pc	65	6500
12	Stand	-	5 pc	100	500
13	Gas Jars	-	2 pc	300	600
14	Beaker	-	3 pc	500	1500
15	Round Bottomed Flask	-	3 pc	350	1050
16	Thistle Fannel	-	3 pc	150	450
17	Calcium Carbonate	500 gm		600	600
18	Calcium Hydroxide	500 gm	-	600	600
19	Sprit Lamp	-	5 pc	300	1500
20	Modern Periodic Table Chart	-	1 pc	700	700
21	Tripod Stand	-	3 pc	400	1200
	Total				28,700.00

3. Biology

SN	Item	Unit	Qty	Rate	Total
1	Earthworm	-	1	550	550
2	Pila	-	1	550	550
3	Jelly Fish	-	1	650	650
4	Scotdin	-	1	550	550
5	Ascars	-	1	650	650
6	Sea Urchin	-	1	650	650
7	Digestive System Chart	-	1	400	400
8	Life Cycle – Silk Worm Chart	-	1	400	400
9	Life Cycle – Honey Bee Chart	-	1	400	400
10	Human Skeleton Chart	-	1	400	400
11	Human Eye Chart	-	1	400	400
12	Human Ear Chart	-	1	400	400
13	Blood Circulation	-	1	4600	4600
14	Human Heart	-	1	400	400
15	Reproductive System	-	1	400	400
16	Microscope	-	1	9500	9500
	Total				20,900.00

Total

Category	Subtotal (NPR)
Physics	1,02,065.00
Chemistry	28,700.00

Biology	20,900.00
Grand Subtotal (before VAT)	1,51,665.00

Note# extra 13 per cent VAT will be applied to the quoted rates while invoicing

B. From School Management

S.N.	Item	Unit	Qty	Rate	Total
1	Practical Table	-	2	15000	30000
2	Rack		3	20000	60000
3	White Board		1	5000	5000
4	Microscope		1	9500	9500
5	Thermal Gun		1	2200	2200
6	Specimen	-	1	100	100
7	Sparrow	-	1	500	500
8	Turtle	-	1	450	450
9	Frog	-	1	500	500
10	Snake	-	1	650	650
11	Lizard	-	1	700	700
12	Starfish	-	1	700	700
13	Gas	-	2	4500	9000
14	Communication	-	-	3000	3000
15	Transportation	-	-	10000	10000
16	Lunch	-	-	5000	5000
17	Miscellaneous	-	-	15000	15000
	Total				1,52,300.00

Grand Total A + B

$$= 1,51,665.00 (49.8\%) + 1,52,300.00 (50.1\%) = 3,03,965.00$$

COMMITTEE MEMBERS:

- 1.Aashmaya Kumari Raut (CM) - Leader
- 2.Ram Binod Panday (Principal) - Leader
- 3.Ram Amod Panday (Teacher) - Member
- 4.Shristi Chaudhary (LSF/E4E) - Member
- 5.Mahi Chaudhary (LSF/E4E) - Member