

Project Proposal

THE
WORLD
FEDERATION
OF KHOJA SHIA ITHNA-ASHERI MUSLIM COMMUNITIES



Project Title: Laboratory Equipment for Indus Girls College



Location: Mari Indus, 50 Km from Mianwali, Pakistan

Project Partners:

The World Federation (Charity No. 282303) and IK Trust

Beneficiaries:

400 Female Students

Goal: Provide the necessary tools to empower young girls through a better standard of Education.



Brief Background:

Mari Indus is 50 km away from the main town of Mianwali. The girls who live in this secluded mountainous town did not have any means of continuing with their higher education. Thus, in 2008 the IK Trust established the Indus Girls College by renting a building to cater for 250 students. For long term sustainability, it was cost effective to own their own premises and hence in 2010, IK Trust commenced the initial construction of 12 rooms to cater for the students. With no lab equipment available, the young girls are unable to continue with their education. The IK Trust, which The World Federation partners with for various project initiatives in Pakistan, requested financial assistance to provide an academic environment for the girls in the Mari Indus district to study.

Costs:

	(PKR)	(GBP)
Chemistry Lab Equipment	129,150.00	£770.00
Biology Lab Equipment	176,040.00	£1,040.00
Physics Lab Equipment	190,030.00	£1,125.00
Computer Equipment & Furniture	1,072,000.00	£6,330.00
Miscellaneous Furniture	627,500.00	£3,705.00

Purchase of Equipment: **£12,970**

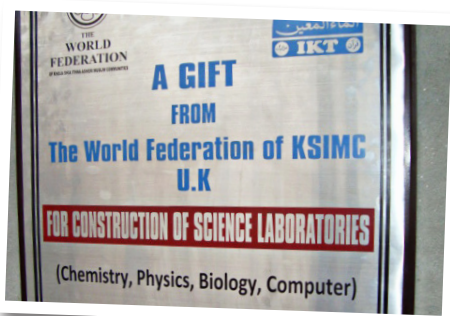
Project Delivery Cost: **£401**

Total Cost of the Project: **£13,371**

1000 PKR equates to ~ £6.00

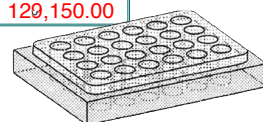
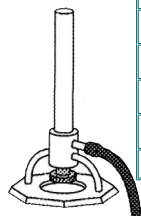
“ One child, one teacher,
one book, one pen can
change the world. ”

Malala Yousafzai - UN Speech 2013

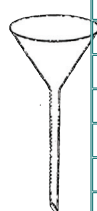
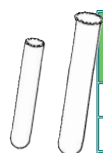


Breakdown of Chemistry Lab Equipment in PKR

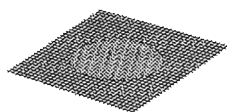
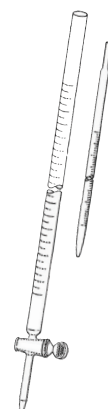
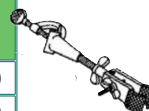
Description	Quantity	Unit Price	Total Price
Methyl Blue Local	03	80.00	240.00
Carbolic Acid (Phenol) Local	03	300.00	900.00
Glycerine Local	03	130.00	390.00
Acetone Local	03	310.00	930.00
Ether Imported	03	2,420.00	7,260.00
Distilled Water (5 Litre)	03	150.00	450.00
Iodine Solution Local	03	140.00	420.00
Chloroform Local	03	150.00	450.00
Biphenyl Amine Imported	03	2,400.00	7,200.00
Acetic Acid Local	03	160.00	480.00
Charcoal Cavities	03	230.00	690.00
Copper Sulphate Local	03	180.00	540.00
Fructose Solution Local	03	200.00	600.00
Sucrose Imported	03	750.00	2,250.00
Glucose Local	03	85.00	255.00
Starch Powder Local	03	130.00	390.00
Litmus Paper Red/Blue Imported	06	80.00	480.00
Hydrochloric Acid Imported	03	850.00	2,550.00
Sulphuric Acid Imported	03	950.00	2,850.00
Sodium Carbonate Local	03	90.00	270.00
Nitric Acid Imported	03	1,050.00	3,150.00
Oxalic Acid Local	03	140.00	420.00
N-Butane Imported	03	1,150.00	3,450.00
Ethanol Imported	03	700.00	2,100.00
Ammonium Hydroxide Local	03	70.00	210.00
Ammonia Solution Imported	03	700.00	2,100.00
Sodium Chloride Local	03	55.00	165.00
Sodium Hydroxide Local	03	140.00	420.00
Benzoic Acid Imported	03	750.00	2,250.00
Methyl Orange Local	03	80.00	240.00
Sodium Bicarbonate Local	03	90.00	270.00
Vinegar	03	70.00	210.00
Potassium Permanganate Local	03	230.00	690.00
Plaster Of Paris Local	03	30.00	90.00
Benzene Local	03	125.00	375.00
Acetyl Chloride Imported	03	11,500.00	34,500.00
Calorimeter In Box Iron	15	405.00	6,075.00
Glass Stirrer	15	12.00	180.00
Conical Flask 250ml China	15	125.00	1,875.00
Glass Burette 50ml Blue Line China	15	330.00	4,950.00
Volumetric Flask 250ml China	15	162.00	2,430.00
Glass Tubing Pak	03	130.00	390.00
Chromatographic Tank	15	635.00	9,525.00
Iron Stand Medium	30	450.00	13,500.00
Gas Jar Cover With Hole With Out Hole	30	8.00	240.00
Glass Funnel 75mm China	30	65.00	1,950.00
Glass Beaker 250ml China	30	85.00	2,550.00
Water Bath Copper	06	350.00	2,100.00
Cotton Roll	06	75.00	450.00
Blotting Paper	15	25.00	375.00
Thermometer 110c China	15	55.00	825.00
Chromatographic Paper	15	100.00	1,500.00
TOTAL			129,150.00



Breakdown of Biology Lab Equipment in PKR

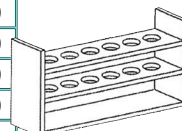
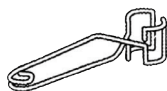
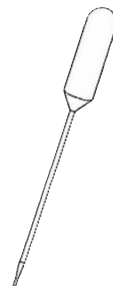


Description	Quantity	Unit Price	Total Price
Glass Sprit Lamp 150ml China	15	70.00	1,050.00
Tripod Stand 6"	15	70.00	1,050.00
Wire Gaze	15	8.00	120.00
Watch Glass	30	8.00	240.00
Glass Stirrer	15	12.00	180.00
Glass Funnel 75mm China	15	70.00	1,050.00
Filter Paper 11cm	15	90.00	1,350.00
Test Tube 16x150mm China	30	8.00	240.00
Petri Dish 100mm China	30	75.00	2,250.00
Graduated Cylinder 100ml China	09	145.00	1,305.00
Dropper Plastic	15	8.00	120.00
Stop Watch Digital China	15	90.00	1,350.00
Plane Slide China	03	90.00	270.00
Cover Slips 18x18mm China	03	35.00	105.00
Bunsen Burner With Stopper	15	430.00	6,450.00
Blotting Paper	15	25.00	375.00
Needle	15	10.00	150.00
Forceps	30	40.00	1,200.00
Glass Beaker 250ml China	30	85.00	2,550.00
Capillary Tube Pak	03	65.00	195.00
Nails 1"	03	130.00	390.00
Glass Tube Pak	03	130.00	390.00
Compound Microscope L101 China	09	4,200.00	37,800.00
Electric Microscope 107 NB China	06	17,000.00	102,000.00
Water Condenser China	09	550.00	4,950.00
Whatman Filter Paper	06	230.00	1,380.00
Rubber Cork With Two Hole	03	145.00	435.00
Prepared Slide Of Penicillium Imported	03	55.00	165.00
Prepared Slide Of Marchantia Imported	03	55.00	165.00
Prepared Slide Of Funaria Imported	03	55.00	165.00
Prepared Slide Of Adiantum Imported	03	55.00	165.00
Prepared Slide Of Fungi Imported	03	55.00	165.00
Prepared Slide of Meiosis Set of 12 Imported	03	700.00	2,100.00
Prepared Slide of Mitosis Set of 05 Imported	03	500.00	1,500.00
Dissecting Box Large	03	220.00	1,320.00
Dissecting Board	09	150.00	1,350.00
TOTAL			176,040.00



Breakdown of Physics Lab Equipment in PKR

Description	Quantity	Unit Price	Total Price
Vernier Calliper 6" China	10	380.00	3,800.00
Micrometre 25mm China	10	425.00	4,250.00
Connecting Wire	02	170.00	340.00
Meter Rod Full	10	55.00	550.00
Grave Sand App Metallic Base Brass Pulley	02	800.00	1,600.00
Mirror Strips With Holder	10	8.00	80.00
Weight Box China	04	650.00	2,600.00
Drawing Pin	02	20.00	40.00
Thread	02	40.00	80.00
Pendulum Bob Set of 03 Iron	10	85.00	850.00
Digital Electronic Timer App	02	1,650.00	3,300.00
Power Supply 15 Volt, 3Amp	02	2,050.00	4,100.00
Two Way Key	02	130.00	260.00
Iron Stand Medium	10	450.00	4,500.00
Helical Spring App	10	500.00	5,000.00
Wooden Wedges	10	30.00	300.00
Spring Balance 500gm China	06	110.00	660.00
Digital Balance 0.01gm To 300gm China	04	5,300.00	21,200.00
Graduated Cylinder 100ml China	06	145.00	870.00
Iron Balls	10	40.00	400.00
Iron Balls Small	02	60.00	120.00
Searle's Apparatus Complete Aluminium	02	625.00	1,250.00
Fly Wheel 6"	02	1,300.00	2,600.00
Electromagnet Operate at 12 Volt Large	04	850.00	3,400.00
Tuning Fork China	06	480.00	2,880.00
Rubber Pad	06	35.00	210.00
Resonance Tube App All Metallic Plastic Tube	04	700.00	2800.00
Convex Lens	10	20.00	200.00
Concave Lens	10	20.00	200.00
Convex Mirror	10	45.00	450.00
Concave Mirror	10	45.00	450.00
Parallax Needles	10	10.00	60.00
Knitting Needles	10	50.00	500.00
Spectrometer	06	12,700.00	76,200.00
Glass Prism 1.5"x1.5"x1.5"	10	40.00	400.00
Wooden Block	06	15.00	90.00
Newton's Ring Apparatus	02	2,250.00	4,500.00
Sodium Lamp	04	2,530.00	10,120.00
Galvanometer Bench Type China	06	310.00	1,860.00
Battery 12 Volt Exide	02	550.00	1,100.00
Steam Generator	02	550.00	1,100.00
Slide Wire Bridge	02	475.00	950.00
Resistance Box 500 OHM	02	950.00	1,900.00
One Way Key	04	115.00	460.00
Sand Paper	10	20.00	200.00
Rheostat 200 OHM	04	750.00	3,000.00
Jokey	02	85.00	170.00
Volt Meter Bench Type China	04	310.00	1,240.00
Thermistor	02	310.00	620.00
Am Meter Bench Type China	04	310.00	1,240.00
Potentiometer	04	525.00	2,100.00
Circular Coil App	02	425.00	850.00
Compass 18mm China	06	20.00	120.00
Sammie Conductor Diode App (With Three Meter)	02	1,450.00	2,900.00
Photo Cell App	02	1,250.00	2,500.00
NPN App 4 Meter	02	1,500.00	3,000.00
OR Gate	02	260.00	520.00
AND Gate	02	260.00	520.00
NOT Gate	02	260.00	520.00
Neon Flash Lamp	06	325.00	1,950.00
TOTAL			(190,030.00)



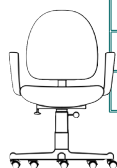
Breakdown of Computer Lab Equipment in PKR



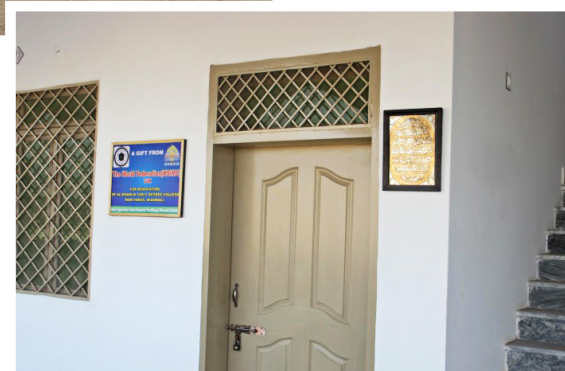
Description	Quantity	Unit Price	Total Price
Laptop (Notebook) For Lab In Charge	01	50,000.00	50,000.00
Computers For Students	24	30,000.00	720,000.00
Wi-Fi Routers As LAN Port	02	10,000.00	20,000.00
24 Port Central Data Switch For Lab	01	10,000.00	10,000.00
Projector For Students Training	01	120,000.00	120,000.00
Network Printer For Lab	01	30,000.00	30,000.00
Scanner For Lab	01	5,000.00	5,000.00
External USB, Key Board, Mouse, Cable Etc.	01	15,000.00	15,000.00
Revolving Chairs	24	3,000.00	72,000.00
Wooden Table 2x4	10	3,000.00	30,000.00
TOTAL			(1,072,000.00)

Breakdown of Miscellaneous Furniture in PKR

Description	Quantity	Unit Price	Total Price
Wooden Table 6x25	03	52,500.00	157,500.00
Steel Cabinets	16	10,000.00	160,000.00
Office Chair	04	2,000.00	8,000.00
Office Table	04	8,000.00	32,000.00
Student Chair	60	1,500.00	90,000.00
Cabinets	03	60,000.00	180,000.00
TOTAL			(627,500.00)



Construction Phase





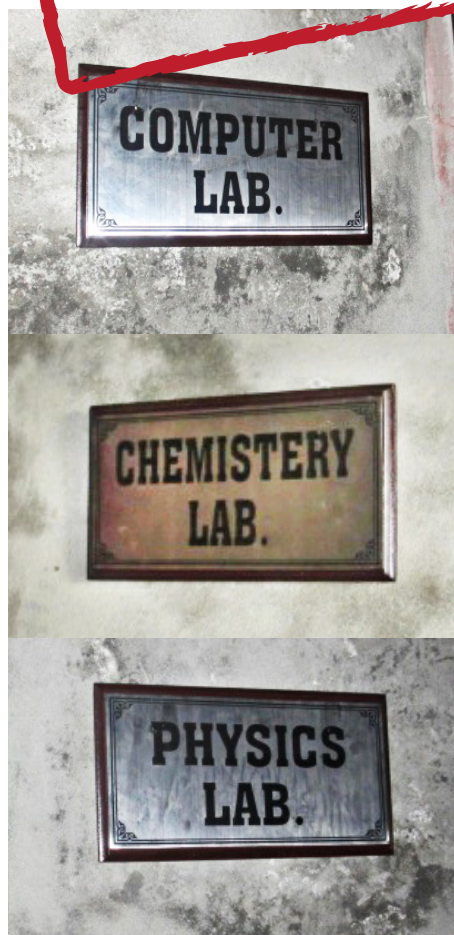
Inauguration Phase

COMPLETED



Equipment & Education Phase

PENDING



“ Education is education. We should learn everything and then choose which path to follow... Education is neither Eastern nor Western, it is human. ”

Malala Yousafzai - I am Malala: The Girl Who Stood Up for Education and Was Shot by the Taliban

We hope for your **kind support** to provide the students with the tools needed to have a **better future** and **make this project a success.**