

Plan and Implementation

Abilashrayam Centre for Learning will be a free boarding school for under privileged children. We are aiming to take care of close to 700 children by providing food, shelter, education, clothing, health insurance and many more.

The plan would be implemented in 5 phases.



Construction Details Phase wise with Cost and Time Duration

Phase 1

Estimated start time: November 2010

Estimated end time: March 2012

Estimated Budget: INR 34,214,215 In Pounds: 526,373 In Dollars: 760,316

| To accommodate 120 Children and 30 Staff (Only day school) | | | | | | | |
|---|------------------------|--|--------------------|-----------------------|----------------------|------------------|-------------------|
| Phase 1 | | | | | | | |
| Estimated Start Time | | Nov-10 | | | | | |
| Estimated End Time | | Mar-12 | | | | | |
| Facility requirement | Area in Sq Feet | Structure Specification | No Of Units | Cost per Sq ft | Amount in INR | In Pounds | In Dollars |
| Academic Block | 20000 | | 1 | 1000 | 20,000,000 | 307,692 | 444,444 |
| 8 Class Rooms, 1 Office Room, 1 Store Room, 1 Principal Room, 1 Director Room, 2 Toilet Blocks, 2 Staff Rooms, 1 Conference Room. | | RCC Framed Structure to construct four floors with epoxy industrial flooring for class rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision with audio visual systems, provision for cctv, Wi-Fi, interactive learning and mike announcement system. | | | | | |
| Dining & Kitchen | 7000 | | 1 | 650 | 4,550,000 | 70,000 | 101,111 |
| 1 Kitchen, 1 Dining for 225, 1 Store Room , 1 Pantry | | RCC Columns with steel struss structure with Galvaumin Sheets and industrial flooring and wall dadoing with Tandur blue slabs with electrical and sanitary provision | | | | | |
| Staff Quarters | 800 | | 3 | 1000 | 2,400,000 | 36,923 | 53,333 |
| Hall, Kitchen, Dining, Toilet and two bed rooms | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |

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|---|------------|--|----------|-----------------|-------------------|----------------|----------------|
| Workers Quarters | 450 | | 3 | 1000 | 1,350,000 | 20,769 | 30,000 |
| Hall, Kitchen, Toilet and 1 Bed room | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Security Room | 200 | | 2 | 600 | 240,000 | 3,692 | 5,333 |
| Room with Toilet | | Load bearing walls with steel struss structure with galvaumin Sheets and stone slab flooring with electrical and sanitary provision | | | | | |
| Entrance Arch with gates | | | 3 | Lump Sum | 600,000 | 9,231 | 13,333 |
| 1 main entrance and 1 service entrance 1 vehicular entrance | | MS Gate with RCC column and arch for main entrance for other entrance RCC column with MS gate | | | | | |
| Construction Mobilization | | | | | 2,854,500 | 43,915 | 63,433 |
| at 10% of the current construction cost | | To construct temporary go downs, labor shed, path ways and to purchase basic construction eqpts, open well safety measurements and soil testing and topographical survey | | | | | |
| Construction cost | | | | | 31,994,500 | 492,223 | 710,989 |
| Architect and Technical Consultation Fee | | | | | 1,219,715 | 18,765 | 27,105 |
| | | at the rate of 3.5% of the construction cost | | | | | |
| Bore wells | | | 2 | 300000 | 600,000 | 9,231 | 13,333 |
| | | 6.5 inch dia, 500 feet depth with 200 feet casing, 2 hp 11 stage submersible motor, 2.5 Sq mm cable with 1.5 inch HDPE hose pipe. | | | | | |
| Fencing | 950 | Meters | 1 | 300 | 285,000 | 4,385 | 6,333 |
| | | Stone poles with barbed wire fencing of 1.5 M high | | | | | |
| Electrical Line Shifting | | | 5 | 15000 | 75,000 | 1,154 | 1,667 |
| | | 5 Poles with high tension line to be shifted | | | | | |
| Temp Electrical Connection | 10 | KV | 1 | 4000 | 40,000 | 615 | 889 |
| Total Cost for 1 phase construction | | | | | 34,214,215 | 526,373 | 760,316 |

Phase 2

Estimated start time: April 2012

Estimated end time: March 2013

Estimated Budget: INR 36, 768, 375 In Pounds: 565, 667 In Dollars: 817, 075

Nature of operation: Day School

Total Strength of the campus: 150

No. of Students: 120

No. of Teachers: 15

No. of Non teaching Staff: 5

No. of housekeeping staff: 10

| | | | | | | | | |
|---|------------------------|--|--------------------|-----------------------|----------------------|------------------|--------------------------|--|
| Phase 2 | | To accommodate 150 people in the campus | | | | | (Only day school) | |
| Estimated Start Time | | Apr-12 | | | | | | |
| Estimated End Time | | Mar-13 | | | | | | |
| Facility requirement | Area in Sq Feet | Structure Specification | No Of Units | Cost per Sq ft | Amount in INR | In Pounds | In Dollars | |
| Library and Lab Block | 10500 | | 1 | 1000 | 10,500,000 | 161,538 | 233,333 | |
| 1 Library with reading stack area, Physics Lab, Biology Lab, Computer Lab and Chemistry Lab | | RCC Framed Structure to construct two floors with epoxy industrial flooring for labs and library and electrical provision. | | | | | | |
| Volunteers Arena | 4000 | | 1 | 1100 | 4,400,000 | 67,692 | 97,778 | |
| 8 Rooms with attached Toilet, a lobby per floor | | RCC Framed Structure to construct two floors with Ceramic flooring for rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | | |

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|--|-------------|---|----------|-----------------|------------------|---------------|---------------|
| Staff Qts | 800 | | 3 | 1000 | 2,400,000 | 36,923 | 53,333 |
| Hall, Kitchen, Dining, Toilet and two bed rooms | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Workers Qts | 450 | | 3 | 1000 | 1,350,000 | 20,769 | 30,000 |
| Hall, Kitchen, Toilet and 1 Bed room | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Workers Room for Bachelors(Men)/(Women) | 1200 | | 2 | 1000 | 2,400,000 | 36,923 | 53,333 |
| To accommodate 7 persons in each room with attached toilet | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Cow Shed | 900 | | 1 | 1000 | 900,000 | 13,846 | 20,000 |
| For 20 cows | | RCC column Structure to construct stilt floor with steel struss galvaumin roofs, cement concrete flooring, sanitary and electrical provision. | | | | | |
| Gobar gas plant | | | 1 | Lump sum | 200,000 | 3,077 | 4,444 |
| | | "Lakshmi gobar gas technique" | | | | | |
| Wind Mill | 3 | KW | 3 | 200000 | 1,800,000 | 27,692 | 40,000 |
| With Battery Back up | | | | | | | |

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|---|---------------|---|----------|-----------------|-------------------|----------------|----------------|
| Under Ground Water Storage Sump | 75000 | Liters | 1 | 9 | 675,000 | 10,385 | 15,000 |
| | | Size stone masonry with water proof lath cement plastering | | | | | |
| Rain Water Harvesting Tank | 100000 | Liters | 1 | 9 | 900,000 | 13,846 | 20,000 |
| | | Size stone masonry with water proof lath cement plastering with filter bed | | | | | |
| Over Head Tank | 50000 | Liters | 1 | 22 | 1,100,000 | 16,923 | 24,444 |
| | | RCC framed structured with intch tank | | | | | |
| Layout water supply and sanitary provision | 11 | Acres | 1 | 400000 | 4,400,000 | 67,692 | 97,778 |
| | | 3" dia 6 kg/sq mm HDPE pipe for water supply and 8" dia stone ware pipes with suitable man holes for sanitary | | | | | |
| Waste water treatment plant | | | 1 | Lump sum | 3,000,000 | 46,154 | 66,667 |
| | | slush tank with treatment machineries | | | | | |
| Developing of Play and sports area | | | | Lump sum | 1,500,000 | 23,077 | 33,333 |
| Cost for 2 Phase Construction | | | | | 35,525,000 | 546,538 | 789,444 |
| Architect and Technical Consultation Fee | | | | | 1,243,375 | 19,129 | 27,631 |
| | | at the rate of 3.5% of the construction cost | | | | | |
| Total Cost for 2 phase construction | | | | | 36,768,375 | 565,667 | 817,075 |

Phase 3

Estimated start time: April 2013

Estimated end time: March 2014

Estimated Budget: INR 43,780,500 In Pounds: 673,546 In Dollars: 972,900

Nature of operation: Day School

Total Strength of the campus: 168

No. of Students: 135

No. of Teachers: 18

No. of Non teaching Staff: 05

No. of housekeeping staff: 10

| Phase 3 | | To accommodate 168 people in the campus | | | | | | |
|----------------------------------|-----------------|--|-------------|----------------|-------------------|----------------|----------------|--|
| Estimated Start Time | Apr-13 | | | | | | | |
| Estimated End Time | Mar-14 | | | | | | | |
| Facility requirement | Area in Sq Feet | Structure Specification | No Of Units | Cost per Sq ft | Amount in INR | In Pounds | In Dollars | |
| Academic Block 1st Floor | 20000 | | 1 | 1000 | 20,000,000 | 307,692 | 444,444 | |
| 14 Class Rooms, 2 Toilet Blocks. | | RCC Framed Structure to construct four floors with epoxy industrial flooring for class rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | | |
| Dining Hall (Extn) | 4000 | | 1 | 600 | 2,400,000 | 36,923 | 53,333 | |
| Dining for 225 | | RCC Columns with steel struss structure with galvaumin Sheets and industrial flooring and wall dadoing | | | | | | |

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|---|-----------------|--|---------------|-------------------|----------------|----------------|
| Dormitories | 2400 | 6 | 1000 | 14,400,000 | 221,538 | 320,000 |
| 2 buildings with 3 floors each | | RCC Framed Structure to construct two floors with epoxy indl CC flooring for dormitory, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | |
| Land scaping and land development | 11 Acres | 1 | 500000 | 5,500,000 | 84,615 | 122,222 |
| Development of service roads, path way, parking lot, hedges, plantation, lawn, children park, garden, street lights | | | | | | |
| Total Construction cost | | | | 42,300,000 | 650,769 | 940,000 |
| Architect and Technical Consultation Fee | | | | | | |
| | | at the rate of 3.5% of the construction cost | | 1,480,500 | 22,777 | 32,900 |
| Total Cost for 3 phase construction | | | | 43,780,500 | 673,546 | 972,900 |

Phase 4

Estimated start time: April 2014

Estimated end time: March 2015

Estimated Budget: INR 56,304,000 In Pounds: 866,215 In Dollars: 1,251,200

Mode of operation: Boarding School

Total Strength of the campus: 188

No. of Students: 150

No. of Teachers: 20

No. of Non teaching Staff: 08

No. of housekeeping staff: 10

| Phase 4 | | To accommodate 188 people in the campus | | | | | |
|---|------------------------|---|--------------------|-----------------------|----------------------|------------------|-------------------|
| Estimated Start Time | | Apr-14 | | | | | |
| Estimated End Time | | Mar-15 | | | | | |
| Facility requirement | Area in Sq Feet | Structure Specification | No Of Units | Cost per Sq ft | Amount in INR | In Pounds | In Dollars |
| Library and Lab Block 1st floor | 10500 | | 1 | 1000 | 10,500,000 | 161,538 | 233,333 |
| 1 Library with reading stack area, Physics Lab, Biology Lab, Computer Lab and Chemistry Lab | | RCC Framed Structure to construct two floors with epoxy industrial flooring for labs and library and electrical provision. | | | | | |
| Volunteers Arena 1st floor | 4000 | | 1 | 1100 | 4,400,000 | 67,692 | 97,778 |
| 8 Rooms with attached Toilet, a lobby per floor | | RCC Framed Structure to construct two floors with Ceramic flooring for rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Staff Qts 1st floor | 800 | | 6 | 1000 | 4,800,000 | 73,846 | 106,667 |
| Hall, Kitchen, Dining, Toilet and two bed rooms | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Workers Qts 1st floor | 450 | | 6 | 1000 | 2,700,000 | 41,538 | 60,000 |
| Hall, Kitchen, Toilet and 1 Bed room | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |

| | | | | | | | |
|---|-------------|--|----------|-------------|-------------------|----------------|------------------|
| Workers Room for Bachelors(Men)/ (Women) 1st floor | 1200 | | 2 | 1000 | 2,400,000 | 36,923 | 53,333 |
| To accommodate 7 persons in each room with attached toilet | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Dormitories | 2400 | | 4 | 1000 | 9,600,000 | 147,692 | 213,333 |
| 2 buildings with 2 floors each | | RCC Framed Structure to construct two floors with epoxy indl CC flooring for dormitory, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Senior students hostel block (boys & girls) | 5000 | | 4 | 1000 | 20,000,000 | 307,692 | 444,444 |
| To accommodate 45 students in each floor, in each block. Two blocks two floors(to accommodate 18 students totally | | RCC Framed Structure to construct two floors with ceramic flooring for hall and rooms, ceramic tiles for Toilet Blocks sanitary and electrical provision. | | | | | |
| Construction Cost | | | | | 54,400,000 | 836,923 | 1,208,889 |
| Architect and Technical Consultation Fee | | | | | 1,904,000 | 29,292 | 42,311 |
| | | at the rate of 3.5% of the construction cost | | | | | |
| Total Cost for 4 phase construction | | | | | 56,304,000 | 866,215 | 1,251,200 |

Phase 5

Estimated start time: April 2015

Estimated end time: March 2016

Estimated Budget: INR 56,915,400 In Pounds: 875,622 In Dollars: 1,264,787

Mode of operation: Boarding School

Total Strength of the campus: 390

No. of Students: 330

No. of Teachers: 30

No. of Non teaching Staff: 15

No. of housekeeping staff: 15

| To accommodate 390 people in the campus | | | | | | | |
|---|------------------------|---|--------------------|-----------------------|----------------------|------------------|-------------------|
| Phase 5 | | | | | | | |
| Estimated Start Time | | Apr-15 | | | | | |
| Estimated End Time | | Mar-16 | | | | | |
| Facility requirement | Area in Sq Feet | Structure Specification | No Of Units | Cost per Sq ft | Amount in INR | In Pounds | In Dollars |
| Academic Block 2nd Floor | 20000 | | 1 | 1000 | 20,000,000 | 307,692 | 444,444 |
| 10 Class Rooms, 2 Toilet Blocks. | | RCC Framed Structure with industrial flooring with electrical and sanitary provision. | | | | | |
| Auditorium | 7500 | | 1 | 1600 | 12,000,000 | 184,615 | 266,667 |
| 400 seating capacity with audio visual rooms, stage, green rooms and toilets with air coolers | | RCC framed column structure to support the steel struss with galvaumin sheet roofing, flooring, wall paneling and ceiling to suit the acoustics with audio visual systems | | | | | |

| | | | | | | | |
|---|------|---|---|-------|-------------------|----------------|------------------|
| Gym and indoor sports facility | 9000 | | 1 | 850 | 7,650,000 | 117,692 | 170,000 |
| Badminton court, gym, squash, table tennis, chess and carom, dispensary | | RCC framed column structure to support the steel struss with galvaumin sheet roofing, industrial epoxy flooring | | | | | |
| Swimming pool | 2150 | | 1 | 3500 | 7,525,000 | 115,769 | 167,222 |
| 20 m x 10m x 3m deep at diving board side with male and female toilets, male and female changing rooms with all round screen wall | | RCC tank with glazed tiles dadooing filtration and chlorination plant | | | | | |
| Compound Wall | 950 | M | 1 | 4700 | 4,465,000 | 68,692 | 99,222 |
| 1.8 m high wall with 2 feet barbed wire fencing 6" on top | | Stone masonry foundation with 1.8 m high 6" cement concrete wall with GI Barbed wire fencing on top. | | | | | |
| Open well development | 10 | m dia | 1 | 80000 | 800,000 | 12,308 | 17,778 |
| | | 600 mm stone staining for the depth of 10 m with RCC coping and Mild steel safety grill covering | | | | | |
| Construction cost | | | | | 52,440,000 | 806,769 | 1,165,333 |
| Architect and Technical Consultation Fee | | | | | 1,835,400 | 28,237 | 40,787 |
| | | at the rate of 3.5% of the construction cost | | | | | |
| Electric Sub station | 66 | KVA | 1 | 40000 | 2,640,000 | 40,615 | 58,667 |
| Total Cost for 5 phase construction | | | | | 56,915,400 | 875,622 | 1,264,787 |

Estimated Budget:

| | | | |
|------------------------------------|------------------------|-----------------------------|------------------------------|
| Phase 1: | INR 34,214,215 | In Pounds: 526,373 | In Dollars: 760,316 |
| Phase 2: | INR 36,768,375 | In Pounds: 565,667 | In Dollars: 817,075 |
| Phase 3: | INR 43,780,500 | In Pounds: 673,546 | In Dollars: 972,900 |
| Phase 4: | INR 56,304,000 | In Pounds: 866,215 | In Dollars: 1,251,200 |
| Phase 5: | INR 56,915,400 | In Pounds: 875,622 | In Dollars: 1,264,787 |
| Total Cost for Construction | INR 227,982,490 | In Pounds: 3,507,423 | In Dollars: 5,066,278 |

After the total construction according to the phases, in the year 2016 – 2017 and there on, the total strength of the school will be 660 students, 60 teaching staff, 20 non teaching staff and 20 house keeping staff.

The total campus strength for the year 2016-2017 and there on will be close to 800.