

Building Repair and Renovations

**Tameer-e-Millat Boys Hostel
Tameer-e-Millat City of Education, Fateh Jang**



INVEST IN EDUCATION



TAMEER-E-MILLAT FOUNDATION

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1. Need Assessment

Deficiency of classrooms and basic facilities in schools leads to low attendance and increasing number of dropouts.

2. Objective

Improving school infrastructure through provision of missing facilities and construction of additional classrooms will increase school attendance and reduce school dropout rate.



3. Introduction to Tameer-e-Millat City of Education

Tameer-e-Millat City of Education (TMCE) is a project of Tameer-e-Millat Foundation (TMF). The project is established on humanitarian basis and is being run through funding and donation of different donors of the communities.

History of Tameer-e-Millat City of Education (TMCE)

In 1993 Maj. (Retd.) Muhammad Ikram established a primary school for education of poor children in Village Ratwal of Tehsil Fateh Jang. For this noble cause, local landlords contributed by donating 16 kanals land for this school. He was motivated to educate children of working class in adjacent small villages. With this Maj. (Retd.) Muhammad Ikram planted the seed of Tameer-e-Millat City of Education.

In 1996, this primary school was affiliated with Tameer-e-Foundation (TMF) to enhance managerial and operational activities. School name was changed to Tameer-e-Jannat Model School with the idea to educate poor children. The foundation of Tameer-e-Millat City of Education was laid in year 2000 and more land was acquired to establish more educational institutions.

Tameer-e-Millat City of Education now has become a mega project of Tameer-e-Millat Foundation (TMF). Presently the project spans over 450+ acres. It is established with the aim to provide quality educational opportunities in all disciplines.

Available Buildings and Facilities in TMCE

Tameer-e-Millat City of Education is striving for to become a center of quality education in Pakistan. Management of TMCE is in continuous efforts to provide the best educational buildings to the students along with hostel facilities.

There are two triple story boys' hostel buildings for the students which are being run and maintained by the Management of TMCE. In addition to educational and residential facilities, more than 450 acres campus houses, vast fruit gardens, dairy



farm, fish farm, and water dam are self-reliance projects of TMF which not only add to the beauty of landscape but provide quality meal to students. Central Library, School Health System and Mosque & Islamic Centre serve for peripheral needs of TMCE.

Management of TMCE

Management of TMCE is striving for the best of the TMCE in all respect including quality of education and buildings of TMCE and facilities for the students and academic staff.

Recently the management of the TMCE requested Engineering Consulting firm S.S.&A. International to visit the Blocks of Boys Hostel to assess its structural stability as the buildings have got some cracks in the walls of the building. The purpose of the visit was to inspect the building and submit engineering report with recommendation for remedial measure to these cracks to make the building safe.

Visit of S.S.&A. International to TMCE

CEO S.S.&A. International visited the Boys Hostel Blocks on 24th March 2017. CEO S.S.&A. International inspected the hostel buildings accompanied by the senior Management of the School. CEO S.S.&A. International made his observations during the visit and assessed the reasons of damages to the building and suggested remedial measures.



4. Technical Report on the Building

Based on the observations SS&A International prepared a technical report as detailed hereunder.

5. Observations

1. There are two tippel story hostel buildings for boys.
2. The outer walls of the buildings are not painted due to which buildings looking very old.
3. There is underground water tank for supply of water to hostel buildings. The underground water tank has no adverse effects on the building.



Outer view of Boys Hostel Blocks

4. In the first block there are stairs in the front left and back left corners while in the front right and front back corners there are washrooms on each floor of the building.
5. There are diagonal cracks on inner sides of walls of most of the rooms the building
6. These cracks show the settlement of the building to the inner side as there are no significant cracks on the outer side of the walls of this block.



Cracks on the Walls on the inner side of the Room



Cracks on the Walls on the inner side of the Room



A Prominent Crack on the Walls on the inner side of the Room



7. In the central lawn of the building there is a drain point to drain out the rain water from internal lawns which has higher level than the level of the lawn. It is expected that due to the higher level of the drain the rainwater remains standing in the lawn and percolates in the soil of the lawn. This percolation of water into the soil of the lawn and then to the foundation has caused settlement of the building to inner side.



Drain in the inner Lawn above the Lawn Level

8. In the second block there are stairs in the front right and back right corners of the building while on the front left and back left corners there are wash rooms.
9. There are cracks on the outer surfaces of the building walls which are more prominent on the ground floor.
10. The drains of the wash rooms are choked due to improper cleaning and maintenance.
11. On the outer side of the building beside the wall there is a damaged and unprotected man hole.

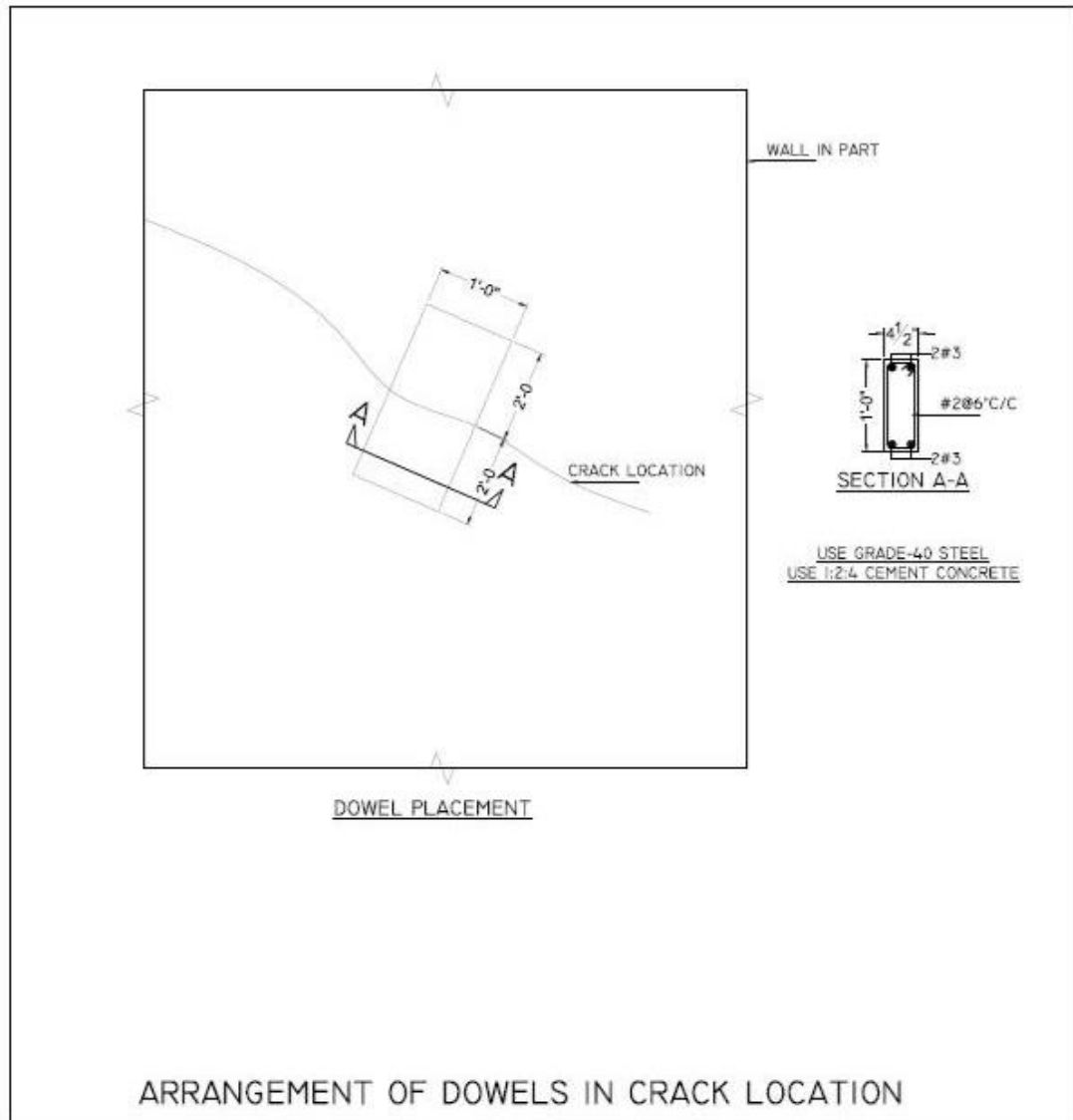


6. Conclusions

1. It was observed that the level of the drain in the lawn of the 1st block is above the lawn level. The rain water remains standing percolates into the soil.
2. Due to the absorption / seepage of rainwater into the lawn soil the building is settled to the inner side and cracks are developed on the inner surfaces of the walls of the building rooms.
3. In the 2nd block the drains of the washrooms are choked due to improper cleaning and maintenance. The seepage of drain water into the walls has caused settlement of the building to the outside.
4. Due to outside settlement of the building cracks are developed which are more prominent on the ground floor
5. Overall the buildings are safe and need proper maintenance

7. Remedial Measures

1. The cracks observed in the buildings are not dangerous and are repairable.
2. To protect the buildings from further damages following remedial measure needs to be taken urgently.
 - In the 1st block the level of the drain in the central lawn should be redesigned and kept below the level of the lawn so that rain water can flow easily into the drain.
 - In the second block the drains of the washrooms should be cleaned and repaired properly so that water cannot stop in the drains which causes seepage into the walls.
3. At the locations of the permanent cracks, dowels may be provided before plaster repairs and repainting.
4. Overall the both blocks need plaster repairs and paint on the outer side to protect from further damages

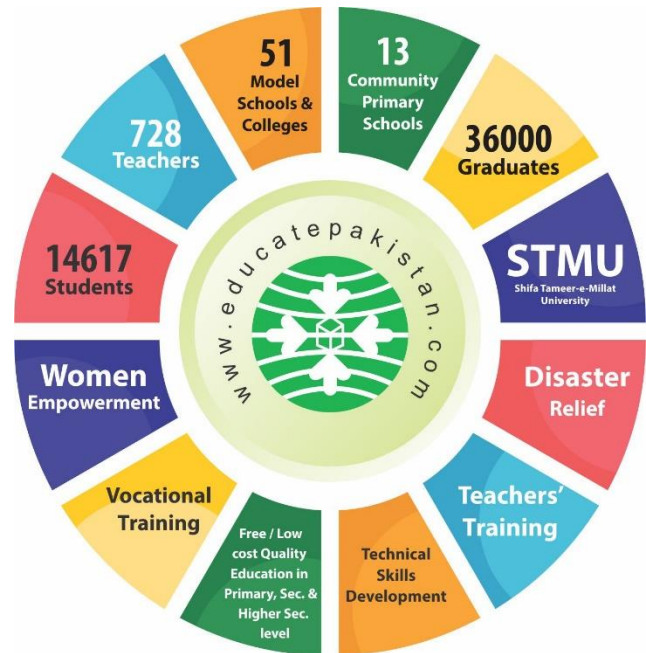




8. Introduction to Tameer-e-Millat Foundation

Founded by (late) Dr. Zaheer Ahmad in 1987, Tameer-e-Millat Foundation (TMF) is a charitable, non-profit organization working for the promotion of education, skills development, women empowerment, and social welfare, with special emphasis to the underprivileged areas. TMF is registered under Societies Act, XXI of 1860.

After a consistent struggle of 30 years, TMF has established 13 Community Primary Schools, 47 Primary/Secondary Model Schools, 4 Degree Colleges, 4 Vocational Training Centers, and 2 Technical Institutes across 25 districts spread over all five provinces of Pakistan. Under the educational network of TMF 32,000 students have graduated so far. TMF is committed to providing quality education to uplift the non-affording communities of Pakistan, without any discrimination.



Mission

“Tameer-e-Millat Foundation aims to provide quality education to every individual, in all academic and professional disciplines, without discrimination of gender, race, religion, socio-economic status or ethnicity.”



9. Construction Cost

Sr. No.	Description	Qty	Rate	Unit	Amount (Rs.)
1	Provision of dowels in walls at required height and of required size	480	4043	each	1940640
2	Removing cement plaster	5600	2.5	sft	14000
3	Cement plaster 1:4 using expanded metal	5600	25	sft	140000
4	Earthwork excavation in open cutting, back filling and recompaction	620	10	cft	6200
5	Cement concrete stone ballast 1½ " to 2" gauge, in plinth	150	130	cft	19500
6	Pacca brick work in plinth in Ratio 1:3 c:s mortor	650	350	cft	227500
7	Cement plaster 1:4 on outer face of p.p.	250	22	sft	5500
8	Providing, laying, watering and ramming brick ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	1550	48	cft	74400
9	Providing, laying, watering and sand under floor	1550	32	sft	49600
10	Providing and laying topping of cement concrete 1:2:4, If glass or marble strips are used including surface finishing and dividing in panels 1½" thick	6050	305	sft	1845250
11	Repair and maintenance of existing wash rooms including w.c.s drain pipes, water supply pipes, fittings, fixtures, basins, doors, windows, exhaust fans complete in all respects.	13	260000	each	3380000



12	Repair and maintenance of existing SEWER lines including cleaning of silt/ sluge from existing man holes, their covers, pipes and tanks, repair of man holes, providing covers to man holes and make all the lines functional complete in all respects	1	280000	job	280000
13	Distempering				
	two coats	6000	12	sft	72000
	three coats	38500	18	sft	693000
	GRAND TOTAL				8747590
				Say	8.75 million

**Costs are for build cycle of 2017-2018 and are subject to revision. Rates are calculated on average construction cost and may vary for different locations.*



10. Contact Information

IN PAKISTAN

Tameer-e-Millat Foundation

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11. Payment Options

PAK RUPEES ACCOUNT

AL-BARAKA BANK LTD.

Branch: Shifa International Hospital, Islamabad

Account Title: Tameer-e-Millat Foundation

Account No.: PK47AIIIN0000109103644018

DOLLAR ACCOUNT

MCB BANK LTD.

Branch: Main Civic Center, Islamabad

Account Title: Tameer-e-Millat Foundation

Account No.: 0613-02010085334