

Provincial

Salesian Province of Annai Velankanni – Tiruchy - INT



10 February 2020

To

Federica Annibali
Apis onlus Italia
piazza Dante 2,
Rome - ITALY

Dear Ms. Federica,

Greetings from Don Bosco Provincial House, Trichy – India.

We are much grateful to you for your continuous support to our Province to carry on small development projects and for the Scholarship support for many of our poor children in the various centres in the Province. Through this letter I request you to support us to construct a small Toilet Block for the girl students in St. Michael's High School at Madhakottai.

This is the place where the Salesians started their first work when they arrived in India in 1906. It is believed that the Primary School was started by the first Missionary Salesians. We have upgraded the School into High School But we have not succeeded in getting salary for the teachers from the Government. So the Province is paying the salary of the staff for the past 18 years which is a major financial burden on the Province where we do not have many income bringing institutions.

The Salesians in the School feel the need to put up a new toilet block for the girls students in the School. Presently they have very few toilets and they find it very difficult during breaks. There is also issue of privacy. Hence the new toilet block will give them privacy and protection and better hygienic facilities for the girl students. Hence I request you to kindly provide financial support to this Project which has been a long lasting need of the School.

Yours sincerely,

Fr. Agilan Sarprasadam SDB
Provincial.



Don Bosco Provincial House, 65, Illuppur Road, Kallukuzhy, Tiruchy - 620 020. Tamilnadu, South India.

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Project Proposal for the
construction of Girls' Toilet Block
at St. Michael's High School
Madhakottai in Thanjavur District



Project Submitted to

APIS Onlus Italia

Rome - Italy

Project Proposal for the construction of Girls' Toilet Block at St. Michael's High School, Madhakottai in Thanjavur District

Introduction

Education is a very important factor in the economic development of any country. India since the early days of independence has always focused on improving the literacy rate in our country. Even today the government runs many programs to promote Primary and Higher Education in India.

High school can be a very tumultuous time for young people. It's those critical four years before entering college or the workforce. High school is perhaps the most important time in kids' lives, because they are making friendships that can last a lifetime, they're learning somewhat more advanced material, and they are preparing themselves to go out into the real world.

High school is a time for teens to learn valuable skills for life from peers and professionals. School days fill time with fun, informational activities and prepare teens for the world of work. There are many reasons a high school education is important, but most of all it is a means to achieve long-term goals and feel a sense of pride in accomplishment.

St. Michael's High School, Madhakottai

St. Michael's High School has 400 students with 7 aided staff and 14 management paid staff. There are 231 girls and 169 boys belonging to all religions studying in the school. School has got various groups and movements like Scouts, Guides, JRC, Eco clubs etc. St. Michael's Primary School which serves as the feeder School was started in 1909 and a century old School. As there was no facility to move beyond the primary School many boys and girls dropped out hesitating to go to far away High Schools. Hence the Salesians upgraded the Primary School to a High School in 1992 which encouraged many boys and girls to reach the High School education. The School has a history of 27 years but very much lacks in infrastructure facilities. There is a long felt need to provide better infrastructure to the High School.

In a special way the girl students do not have proper facilities for the washrooms and rest rooms. Many girls attain also puberty in this stage and hence they need better toilet facilities in the School. The present toilet is very small and does not support the increasing number of girl students in the School. Hence we need to provide them a good outlet facilities to ensure privacy, protections and Better Hygiene.

Socio Economic Situation

The economy of Thanjavur district is essentially from agriculture and allied sector. Above 75% of the workforce have been depending on agriculture. The district is a deltaic plain fed by rivers Cauvery and Vennar. Some portion is also fed by Grant Anaicut canal.

The major occupation of the inhabitants of the city is tourism and service-oriented industry, while the traditional occupation is agriculture.

Thanjavur is known as the "Rice bowl of Tamil Nadu". Paddy is the main crop and the other crops grown are blackgram, banana, coconut, gingelly, raggi, red gram, green gram, sugarcane and maize. The total percentage of land fit for cultivation is 58%. The city acts as a focal point for food grains transported from the adjoining areas of the Cauvery Delta. Though agriculture is the main economic activity, only 7% of the population is involved in it. There is a lot of agricultural related trading that forms the key economic activity in the city.

With the advent of fast tracks, and educational facilities the youth seem to neglect agriculture. In Madhakottai village majority of the people are economically rather backward and struggle to make both ends meet.

Educational Situation

Average literacy rate of Thanjavur in 2011 was 82.64 compared to 75.45 of 2001. If things are looked out gender wise, male and female literacy were 89.04 and 76.50 respectively. Total literates in Thanjavur District were 1,790,998 of which male and female were 944,264 and 846,734 respectively. In 2001.

There are 20 registered schools in Thanjavur, catering to the primary, secondary and higher secondary educational needs of the city but mostly catering to English Medium Education and the students from affluent families.

The Need for the New Toilet Block

Majority of the students do not have toilets at home and use free open spaces for their toiletry needs. This school has been educating students especially girls students to use toilets for better hygiene and sanitation. Many of them do not know how to use toilets and hence are taught by the staff to put the toilets to proper use. Hence the existing toilets are not sufficient to cater to all the students especially girl students. Hence there is an urgent need to put up additional Toilet Block for the girls as they are many in number. This is a very basic and urgent need of the place.

Summary Budget

| | INR | Euro Calculated @ INR 78 |
|---|----------------|--------------------------------|
| Total cost of the New Toilet Block | 894,000 | 11,461 |
| Local Contribution | 100,000 | 1,282 |
| Funds Requested: | 794,000 | 10,179 |



**Estimate For Construction of Toilet Block at St.Michael's High School,
Madhakottai - Thanjavur**

| SNo. | Description of work | Qty. | | Rate | Per | Amount |
|--|---|---------|----------------|--------------|----------------|------------------|
| ABSTRACT ESTIMATE | | | | | | |
| 1 | Earthwork excavation in hard soil except rock, moorum, etc. | 42.00 | m ³ | 325.00 | m ³ | 13650.00 |
| 2 | Sand filling for foundation using good river sand | 23.00 | m ³ | 1600.00 | m ³ | 36800.00 |
| 3 | P.C.C-1:4:8, using 40mm HBGS for foundation using machine crushed stones | 14.00 | m ³ | 3500.00 | m ³ | 49000.00 |
| 4 | Brickwork in CM-1:6 using well burnt country bricks for wall for basement | 8.00 | m ³ | 4600.00 | m ³ | 36800.00 |
| 5 | Brickwork in CM-1:6 using well burnt country bricks for wall for super structure | 22.50 | m ³ | 4700.00 | m ³ | 105750.00 |
| 6 | Brickwork in CM-1:6 using well burnt country bricks for half brick wall | 39.50 | m ² | 950.00 | m ² | 37525.00 |
| 7 | R.C.C.-1:1.5:3, using 20mm HBGS for slab including all accessories | 16.50 | m ³ | 7000.00 | m ³ | 115500.00 |
| 8 | Steel fabrication including material | 1647.00 | kg | 57.00 | kg | 93879.00 |
| 9 | Special Plastering with CM-1:5, 12mm tk. for ceiling | 38.40 | m ² | 290.00 | m ² | 11136.00 |
| 10 | Plastering with CM-1:5, 12mm tk. for walls | 285.97 | m ² | 270.00 | m ² | 77211.90 |
| 11 | Providing Ceramic tiles flooring | 104.50 | m ² | 750.00 | m ² | 78375.00 |
| 12 | Supplying and fixing in position steel doors with all accessories | 20.75 | m ² | 2000.00 | m ² | 41500.00 |
| 13 | Supplying and fixing in position of cement jolly with all accessories | 3.60 | m ² | 750.00 | m ² | 2700.00 |
| 14 | Two coats of painting on new Iron work with good enamel paint over a coat of primer | 20.75 | m ² | 300.00 | m ² | 6225.00 |
| 15 | White washing two coats for ceiling with Emulsion ACE over a coat of primer | 21.38 | m ² | 65.00 | m ² | 1389.70 |
| 16 | Color washing two coats with Interior with tractor emulsion and Exterior emulsion with APEX over a coat of primer | 302.67 | m ² | 75.00 | m ² | 22700.25 |
| 17 | Provision for plumbing and sanitary arrangements for toilet | | | | | |
| | IWC (Parryware) | 10.00 | nos | 3500.00 | nos | 35000.00 |
| | CP taps (plato) | 12.00 | nos | 450.00 | nos | 5400.00 |
| | Sintex water tank | 2000.00 | lts | 10.00 | lts | 20000.00 |
| | 4" PVC pipe lines (avonplast) | 30.00 | m | 550.00 | m | 16500.00 |
| | 9" PVC lines (avonplast) | 30.00 | m | 120.00 | m | 3600.00 |
| | Inspection chambers | 5.00 | nos | 1500.00 | nos | 7500.00 |
| 18 | provisional for electrical arrangements Concealed | 14.00 | m ² | 800.00 | m ² | 11200.00 |
| 19 | Granolithic Floor fining with CC 1:1.5:3, 23mm thk | 21.50 | m ² | 450.00 | m ² | 9675.00 |
| 20 | Provision for septic tank 18' x 7' x 9' with soak pit | 1.00 | | 55000.00 | | 55000.00 |
| | Contingencies | | | | | -16.85 |
| | | | | TOTAL | | 894000.00 |
| Rupees eight lakh ninty four thousands only | | | | | | |
| Note: GST Additional | | | | | | |

P. Benedict

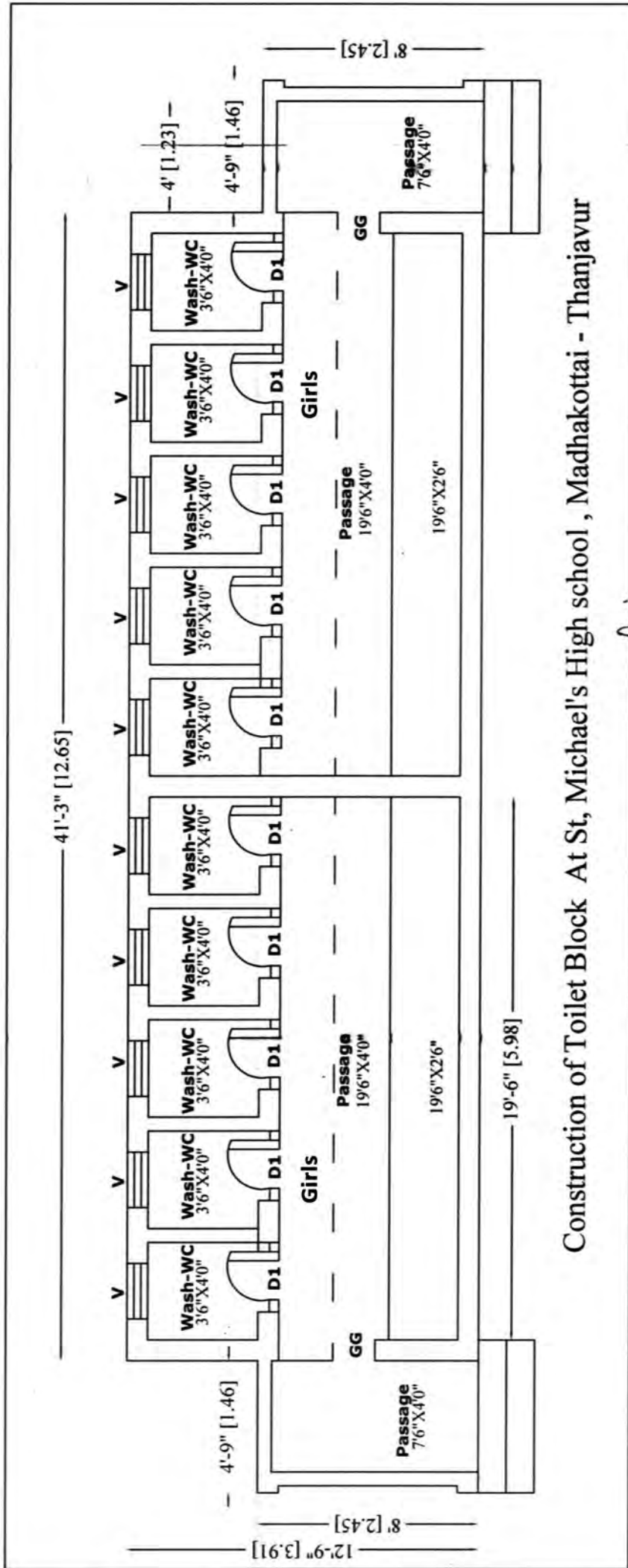
Er. P. BENEDICT, B.Tech., M.Tech (Struct.),
Construction & Consulting Civil Engineer,
Regd. Licensed Surveyor (L.B.S. No.441)
4585, Don Bosco West Street,
Mathakottai, THANJAVUR - 613 005.

| SNo. | Detailed Estimate Description of work | No. | Measurement in 'm' | | | Qty. |
|------|---|-----|--------------------|------|------|----------------------------|
| | | | L | W | D | |
| 1 | <i>Earthwork excavation in hard soil except rock, moorum, etc.</i> | | | | | |
| | Column mat | 19 | 1.00 | 1.00 | 1.52 | 28.88 |
| | Grade beam | 1 | 54.16 | 0.45 | 0.45 | 10.97 |
| | Steps | 2 | 1.52 | 0.60 | 0.45 | 0.82 |
| | Buffer walls | 2 | 2.45 | 0.45 | 0.45 | 0.99 |
| | | | | | | 0.34 |
| | | | | | | 42.00 m³ |
| 2 | <i>Sand filling for foundation using good river sand</i> | | | | | |
| | Column mat | 19 | 1.00 | 1.00 | 0.10 | 1.90 |
| | Grade beam | 1 | 54.16 | 0.45 | 0.10 | 2.44 |
| | Steps | 2 | 1.52 | 0.60 | 0.10 | 0.18 |
| | basement | 1 | 11.96 | 3.22 | 0.45 | 17.33 |
| | | 1 | 1.98 | 1.22 | 0.30 | 0.72 |
| | Buffer walls | 2 | 2.45 | 0.45 | 0.10 | 0.22 |
| | | | | | | 0.21 |
| | | | | | | 23.00 m³ |
| 3 | <i>P.C.C-1:4:8, using 40mm HBGS for foundation using machine crushed stones</i> | | | | | |
| | Column mat | 19 | 1.00 | 1.00 | 0.15 | 2.85 |
| | Grade beam | 1 | 54.16 | 0.45 | 0.15 | 3.66 |
| | Steps | 2 | 1.52 | 0.60 | 0.15 | 0.27 |
| | basement | 1 | 11.96 | 3.43 | 0.15 | 6.15 |
| | | 1 | 1.98 | 1.22 | 0.15 | 0.36 |
| | Buffer walls | 2 | 2.44 | 0.45 | 0.15 | 0.33 |
| | | | | | | 0.38 |
| | | | | | | 14.00 m³ |
| 4 | <i>Brickwork in CM-1:6 using well burnt country bricks for wall for basement</i> | | | | | |
| | Main wall all around | 3 | 12.65 | 0.23 | 0.61 | 5.32 |
| | | 2 | 3.45 | 0.23 | 0.61 | 0.97 |
| | Buffer walls | 2 | 2.44 | 0.23 | 0.61 | 0.68 |
| | | 4 | 1.22 | 0.23 | 0.61 | 0.68 |
| | | | | | | 0.35 |
| | | | | | | 8.00 m³ |
| 5 | <i>Brickwork in CM-1:6 using well burnt country bricks for wall for super structure</i> | | | | | |
| | Main wall all around | 3 | 12.65 | 0.23 | 2.44 | 21.30 |
| | | 2 | 3.45 | 0.23 | 2.44 | 3.87 |
| | steps | 2 | 1.52 | 0.30 | 0.23 | 0.21 |
| | Brick wall over roof | 1 | 12.65 | 0.23 | 0.23 | 0.67 |
| | Stage for urinal area | 1 | 12.65 | 0.76 | 0.15 | 1.44 |
| | Buffer walls pillar | 4 | 0.23 | 0.23 | 2.44 | 0.52 |
| | deduction | | | | | |
| | Opening | -2 | 1.07 | 0.23 | 2.44 | -1.20 |
| | door | -10 | 0.76 | 0.23 | 2.10 | -3.67 |
| | ventilators | -10 | 0.61 | 0.23 | 0.61 | -0.86 |
| | | | | | | 0.22 |
| | | | | | | 22.50 m³ |

| SN o. | Detailed Estimate Description of work | No. | Measurement in 'm' | | | Qty. | |
|----------|--|-----|--------------------|------|---|---------|----------------|
| | | | L | W | D | | |
| | | | | | | 285.97 | m ² |
| 11 | <i>Providing Ceramic tiles flooring</i> | | | | | | |
| | <i>Floor tiles</i> | | | | | | |
| | Toilets | 10 | 1.22 | 1.07 | | 13.05 | |
| | passage | 2 | 5.98 | 1.45 | | 17.34 | |
| | Urinal area | 2 | 5.98 | 0.76 | | 9.09 | |
| | Entrance | 2 | 2.29 | 1.22 | | 5.59 | |
| | for steps | 2 | 1.68 | 0.91 | | 3.06 | |
| | <i>Wall tiles</i> | | | | | | |
| | Toilets | 10 | 3.81 | 0.91 | | 34.67 | |
| | urinal walls | 1 | 15.09 | 1.37 | | 20.67 | |
| | | | | | | 1.03 | |
| | | | | | | 104.50 | m ² |
| 12 | <i>Supplying and fixing in position steel doors with all accessories</i> | | | | | | |
| | toilet door | 10 | 0.76 | 2.13 | | 16.19 | |
| | Entrance gate | 2 | 1.07 | 2.13 | | 4.56 | |
| | | | | | | 20.75 | m ² |
| 13 | <i>Supplying and fixing in position of cement jolly with all accessories</i> | | | | | | |
| | toilet ventilator | 10 | 0.60 | 0.60 | | 3.60 | m ² |
| 14 | <i>Two coats of painting on new Iron work with good enamel paint over a coat of primer</i> | | | | | | |
| | Door | 10 | 0.76 | 2.13 | | 16.19 | |
| | Entrance gate | 2 | 1.07 | 2.13 | | 4.56 | |
| | | | | | | 20.75 | m ² |
| 15 | <i>White washing two coats for ceiling with Emulsion ACE over a coat of primer</i> | | | | | | |
| | item no:9 cealing plastering | | 21.38 | | | 21.38 | m ² |
| 16 | <i>Color washing two coats with Interior with tractor emulsion and Exterior emulsion with APEX over a coat of primer</i> | | | | | | |
| | item no:10 wall plastering + 9 sunshade plastering | | 302.67 | | | 302.67 | m ² |
| 17 | <i>Provision for plumbing and sanitary arrangements for toilet</i> | | | | | | L.S |
| | IWC (Parryware) | 10 | | | | 10.00 | nos |
| | CP taps (plato) | 12 | | | | 12.00 | nos |
| | Sintex water tank | 1 | 2000.00 | | | 2000.00 | lts |
| | 4" PVC pipe lines (avonplast) | 30 | | | | 30.00 | m |
| | 9" PVC lines (avonplast) | 30 | | | | 30.00 | m |
| | Inspection chambers | 5 | | | | 5.00 | nos |
| 18 | <i>provisional for electrical arrangements Concealed</i> | | | | | | |
| | | | | | | 14.00 | points |

| SN o. | Detailed Estimate Description of work | No. | Measurement in 'm' | | | Qty. |
|----------|---|-----|--------------------|------|---|----------------------|
| | | | 'L' | W | D | |
| 19 | Granolithic Floor fining with CC 1:1.5:3, 23mm thk | | | | | |
| | Roof | 1 | 12.65 | 1.69 | | 21.38 |
| | | | | | | 0.12 |
| | | | | | | 21.50 m ² |
| 20 | Provision for septic tank 18' x 7' x 9' with soak pit | | | | | L.S |
| | Contingencies | | | | | L.S |
| | | | | | | |
| | | | | | | |

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[Handwritten Signature]

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