

REPORT TO ACCOMPANY THE ESTIMATE FOR CONSTRUCTION OF BUILDING FOR GOVERNMENT ARTS AND SCIENCE COLLEGE AT SIRKAZHI IN NAGAPATTINAM DISTRICT.

Estimate for Rs. 797.50 Lakh

The Government of Tamil Nadu has accorded Administrative sanction for the Construction of a New Government Arts and science college at Sirkazhi in Nagapattinam district, vide **G.O (Ms).No: 199 / Higher Education (B2) Department, dated 24.07.2017 for an amount of Rs. 797.50 Lakh.**

The following site was identified.

Name of village : Gopalamuthiram
 Name of Taluk : Sirkazhi
 Name of District : Nagapattinam
 The total area of extent : SF No 326 / 1 =0.25.50 hectares
 : SF No 328 / 1B =2.65.00 hectares
 : SF No 328 / 2B =0.10.50 hectares
 : SF No 328 / 3B =1.05.00 hectares
 : SF No 328 / 5 =0.20.00 hectares

Total = 4.26.00 hectares

The site is to be transferred from Technical Education Department to Collegiate Education Department . The Commissioner of Department of Technical Education Guindy Chennai -25, has given No objection certificate vide letter No:29494/ CW8 / 2018 dtd: 14.02.2018. for the Construction of a new Government Arts and science college for the above area.

The Chief Engineer, Technical Education, Chennai – 25, has approved the following detailed drawings.

Sl. No	Name of Building	Job Number / Drawing No.	Floor	Floor wise Area	Total plinth Area	Remarks
1.	New Government Arts and science college	916/1R1 916/2R1 916/3R1	GF FF SF	1597.36 1529.00 1529.00	4655.36 m2	

FOUNDATION: The safe bearing capacity of soil is assumed as 100KN/ M2 Foundation has been proposed as isolated footing with RCC column, beams & roof in M-25 Grade of concrete. The foundation is taken to a depth of 2.40m from average Ground level. The Basement structure proposed with RCC Grade beam and Brick work in CM 1:6 using country bricks. The Basement height is proposed as 1.50 M from the existing Ground level.

SUPER STRUCTURE: Brick work in cement mortar 1:6 using II class ground moulded chamber burnt bricks of size 9 " x 4 3/8" x 2 3/4 " of 23cm thick wall are proposed for panel wall for super structure in all floors. Brick partition walls of 11.10cm thick in CM 1:3 is also proposed for Toilet cross walls.

R.C.C. COLUMNS, BEAMS, SLABS: The proposed site is 17Km to the costal area. So R.C.C. M-25 Grade is adopted for structural members like Footing, columns, beams and slabs using 20mm and down graded hard broken granite stone jelly.

FLOORING: Vitriified Tiles - For all class rooms and Labs

DOOR FRAME: - CRCA Pressed steel door frame

DOOR SHUTTERS : - Solid core Flush door shutter

WINDOWS: - Mild Steel openable window with 18G CRCA sheet

VENTILATOR: - Steel Louvered ventilator

FINISHING : Special ceiling Plastering with cement mortar 1:3, 10mm thick are proposed for RCC exposed surface, plastering with cement mortar 1:5, 12mm thick for Brick walls . White washing two coats are proposed for ceiling of all rooms. All the inner surfaces of the building is proposed with two coats of Distempering and Outer surfaces with Emulsion paint two coats. Enamel Painting is proposed for new wood work and iron works.

The following Lump sum provisions are made in this estimate:

Lump Sum Provisions

1. Provision for Finishing elevation, sthaphathy work & Ornamental Teak wood Main Entrance door
2. Provision for soil investigation.
3. Provision for Advertisement charges.
4. Provision for foundation stone Laying and inaugural function.
5. Provision for TNEB service connection charges
6. Provision for Approach road
7. Provision for Pavement arrangements and drain
8. Provision for Compound wall
9. Provision for Petty Supervision Charges and contingencies @1.25%
10. Provision for Unforeseen Items of work @1.25%
11. Provision for price adjustments clause
12. Provision for Labour welfare Fund @ 1.00%

The Estimate has been prepared based on the current Schedule of rates for the year 2017-18 and the Estimate amount works out to **Rs 797.50 lakh** (Rupees Seven Hundred ninety seven lakh and fifty thousand only) The Expenditure shall be chargeable to the head of account “ 4202 – Education – General Education – 203 University Education and Higher Education - state Expenditure – JB – 16 Major works.

Assistant Engineer, PWD,
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