

INSTITUTIONAL DEVELOPMENT PLAN
(For Five Years)

Submitted by



GOVT. SANSKRIT COLLEGE THIRUVANANTHAPURAM

Submitted to

THE DIRECTORATE OF COLLEGIATE EDUCATION
VIKAS BHAVAN, THIRUVANANTHAPURAM

2022

We, Government Sanskrit College, Thiruvananthapuram, submit institutional development plan (Revised) for 5 years from 2022 to 2027 for your kind consideration and favorable orders.

Yours faithfully,

Thiruvananthapuram
18.02.2022

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Government Sanskrit College,
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Chapter - I

PREAMBLE

I – 1 – HISTORY OF INSTITUTION



The Government Sanskrit College, Thiruvananthapuram was founded in 1889 by His Highness Maharaja Sri Moolam Tirunal of Travancore. The college was affiliated to the University of Madras in 1936 and subsequently to the Travancore University (presently University of Kerala). In 1948 the college was raised to a first-grade degree college. Postgraduate courses in Nyaya (Logic) and Vedanta (Philosophy) were introduced in 1956 and Sahitya (Literature) and Vyakarana (Grammar) in 1962. The college now imparts instructions mainly in Sanskrit Sastras (Sciences). Undergraduate courses in

Nyaya, Vyakarana, Sahitya, Vedanta, and Jyothisha (Astronomy) and Postgraduate courses in Nyaya, Vyakarana, Sahitya and Vedanta and Ph.D programs are being conducted in this college.

I – 2 – IMPORTANT MILESTONES

- 1889 H.H.Maharajas Govt. Sanskrit College was founded in by Sri Mulam Thirunal Rama Varma.
- 1947 raised it to the status of full-fledged First Grade Degree College.
- 1936 Affiliated to the University of Madras.
- 1948 Achieved the status of full Degree College.
- 1956 The college began to function as a full-fledged First Grade Degree College offering courses from Pre-degree and M.A Nyaya and Vedanta.
- 1962 M A courses in Vyakarana and Sahitya were started.
- 1980 The Degree Courses in Jyothisha was started. 1986
- College was approved as a research Centre by the University of Kerala.
- 2009 Celebrated 120th anniversary.

- ☐ 2017 Accredited with A+ Grade with NAAC.
- ☐ 2019 M.Phil course was started
- ☐ 2019 Celebrated 130th anniversary (Trimsothari).

I – 3 – Strength of students

Class	Total
I B. A.	147
II B. A.	163
III B. A.	134
I M. A.	33
II M. A.	37
M. Phil	11
Research Scholars	48
Thesis Submitted	8
Total Strength	581

I – 4 – Necessity and Scope of the Proposal

The strength of students of undergraduate and post Graduate Programmes has been increased from 20 and 05 to 35 and 07 respectively. M.Phil Batch has also been started, and confirmation is awaited from the University of Kerala for starting the B.Yoga programme.

In order to ensure smooth functioning of the activities of the college a College Level Development Committee has been formed for charting out the vision and mission of the college, and to plan activities for further development of the college and ensure the realization of those visions missions etc. It held meetings on 09/12/2021, 13/12/2021, and 16/12/2021. Opinions and suggestions were elicited in the meeting held with the various stakeholders of the College including members of the Alumni, former Principals, and student Representatives. The meeting unanimously declared whole-hearted support to the College for conducting activities selfdirected, academically grounded, intellectually engaged and socially responsible. Various measures taken by the College show its progress on the right path towards development from a visionary perspective.

I – 5 – Project objective

The project objective is to augment the infrastructure facilities to enhance the facilities along with a special emphasis on academics, Research, Sports and other extracurricular activities.

The focus is on the following core areas.

- Creation of Improved Learning Environment: It is essential to have an adequate and modern classroom, laboratories that provide a positive learning environment for all the students.
- Developing Enhanced Teaching, Learning, and Learning Opportunities.
- Promotion of Research: The proposal augments the facilities to enhance and promote research.
- Create a collaborative learning and development environment.
- Create a clean, eco – friendly and safe Campus.

I – 6 – Vision and Mission of the College

To evolve into a National resource center of Sanskrit and Indology by assimilating and generating original thinking and research in Sanskrit.

- Empower academic and student community with excellent teaching-learning.
- Utilize the possibilities of ICT in Sanskrit

- Encourage new research and original, rational thinking.
- Equip students with pragmatic competence.
- Enlighten the society through outreach and extension activities.
- Employ effective pedagogical tools in the transaction of Sanskrit.

I – 7 – SWOT Analysis

A) STRENGTH

- Dedicated teachers and supporting staff.

History of achievements in arts, academics, sports, and other activities.

Has a strong ethos of developing the students in physical, academic, social areas and also develops among themselves a sense of social and civic responsibility and interpersonal skills.

B) WEAKNESS

There is no proper Auditorium.

Not enough labs.

There is no Girls Hostel and amenity center.

There is no proper parking facility provided. Scarcity

of Land

C) OPPORTUNITIES

The introduction of better infrastructure can invite the attraction of more students to the College.

Development of knowledge center for students and the public.

Development of amenity center and proper academic and residential zoning.

D) THREATS

The general trend of joining private Colleges or aided colleges for better facilities.

A large amount of money is needed for construction work.

I – 8 – Requirement / Demand Analysis ☐Girls Hostel.

- Open stage with roof green room and Toilet. Volley Ball court, Shuttle court, Renovation of the parking area (Indoor Stadium)
- Knowledge Hub.
- Solar Panel.
- Smart Class.
- Content development studio.
- Office cabin & Principals room (after the construction of new Building)
- Astronomy lab.
- Language Lab & Computer Lab.
- Play Ground(Outdoor Stadium) ☐Furniture.
- Renovation of Tennis court.
- Staff quarters.
- ORICE studio work.
- Smart Education Theatre
- Rain water harvesting and Drainage system

Chapter - II PROJECT PROPOSALS

II – 1 – Girls Hostel

By providing hostel support to the majority of the students of this institution who are girls belonging to remote and rural locations, it is hoped to address their inconvenience. It also helps in adding to the infrastructural requirements of the College.

II – 1.1 – Estimate

No. CE/BL/PL/TVPM/121/2022-23-1-1

Office of the Chief Engineer,
PWD, Buildings,
Thiruvananthapuram
Dated: 11/01/2022

From
The Chief Engineer

To
The Director
Collegiate Education Department
Thiruvananthapuram

Re:
Sub: PWD- Buildings- Sanku College - Construction of Ladies Hostel
-Administrative Section (proposal submission - Reg.

Ref: PWD/BLDG/EST/121/2022-23-1-1

Find enclosed herewith the detailed estimate amounting to Rs. 474 Lakhs for the above said work prepared based on the PRJ 2021 for accounting Administrative Section. The nature and necessities of the work are well explained in the accompanying estimate report.

I request that the Administrative Section for the above work may be accorded and extraneous and to this office at the earliest for arranging the work.

Budget Provision: Nil
Total amount under the Head of Account for the year 2021-22 is Rs. 310 Lakhs
Head of Account 4221-01-201-00

Yours faithfully


CHIEF ENGINEER

Att: Estimate with report

EST NO: PWD/BLDG/EST/121/2022_23_1_1 (EDIT ID: 2)
(PAR year: 2019, Cost Index (Place: Trivandrum, Value: 135.00), GST: 12%)

ESTIMATE REPORT

GENERAL-Sanskrit College-Construction of Ladies Hostel-Composite Work

The estimate is prepared as per the request from The Principal Govt. Sanskrit College, Thiruvananthapuram. The drawings obtained from Sanskrit College is also attached herewith. The total plinth area rate estimate amount comes to Rs. 4,74,00,000/-.

Beena L

BEENA. L
Chief Engineer
PWD, Buildings
Thiruvananthapuram-695 033



GENERAL ABSTRACT

GENERAL-Sanskrit College-Construction of Ladies Hostel-Composite Work

Sl No	Head Description	Amount	
1	Appendix A	38085693.75	
Total Estimation PAC		38085693.75	
Sl No	Description	Percentage/LS	Amount
L Lumsam Heading			
L.001	Internal Water Supply & Sanitary Installations for Hostel building with common toilets		
		38085693.75 8.00%	3046855.50
L.002	Electrical External Service Connections for all type of buildings		
		38085693.75 3.75%	1428213.52
L.003	Internal electric installations for all type of buildings		
		38085693.75 12.30%	4760711.72
Total Lumsam Amount			9235780.74
C: Extra Charges			
C.001	Provision for GST		
		0.00 12.00%	0.00
Grand Total			47321474.49
Round off			78525.51
Rounded Total(Rs)			47400000.00
Rupees Four Crore Seventy Four Lakh			

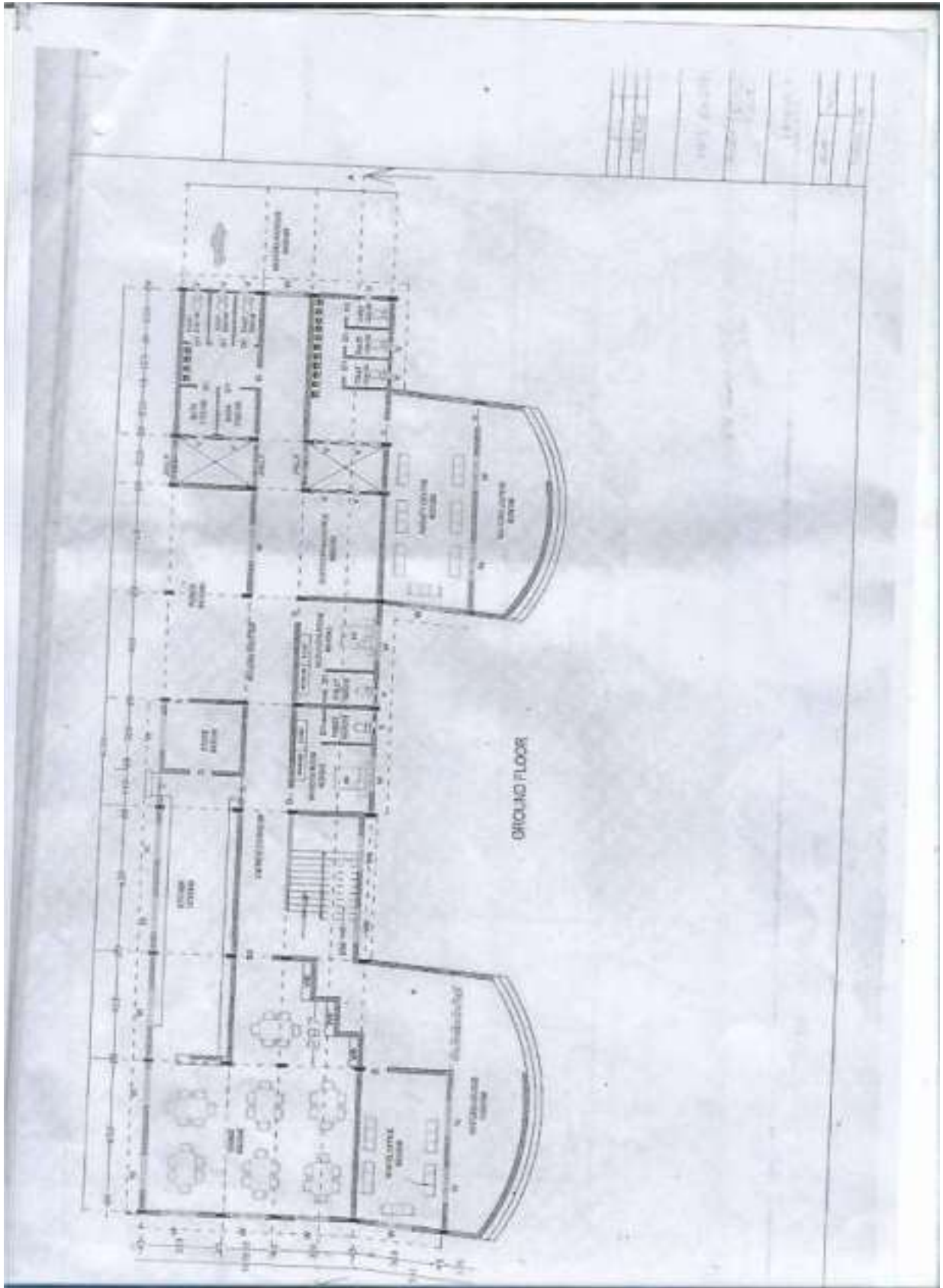

BEENA, L
Chief Engineer
PWD, Buildings
Thiruvananthapuram-895 033

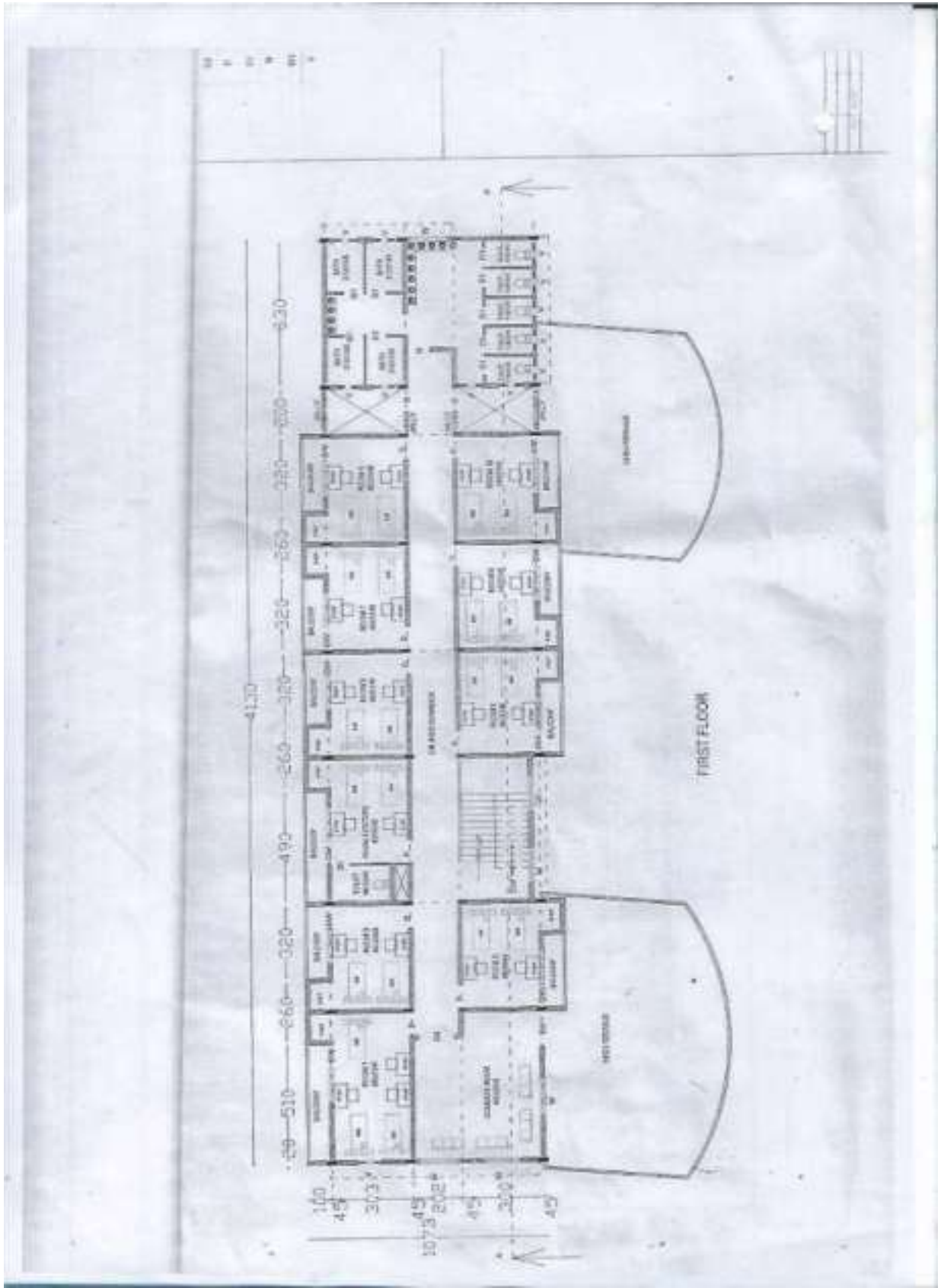
ABSTRACT ESTIMATE

GENERAL-Sanskrit College-Construction of Ladies Hostel-Composite Work

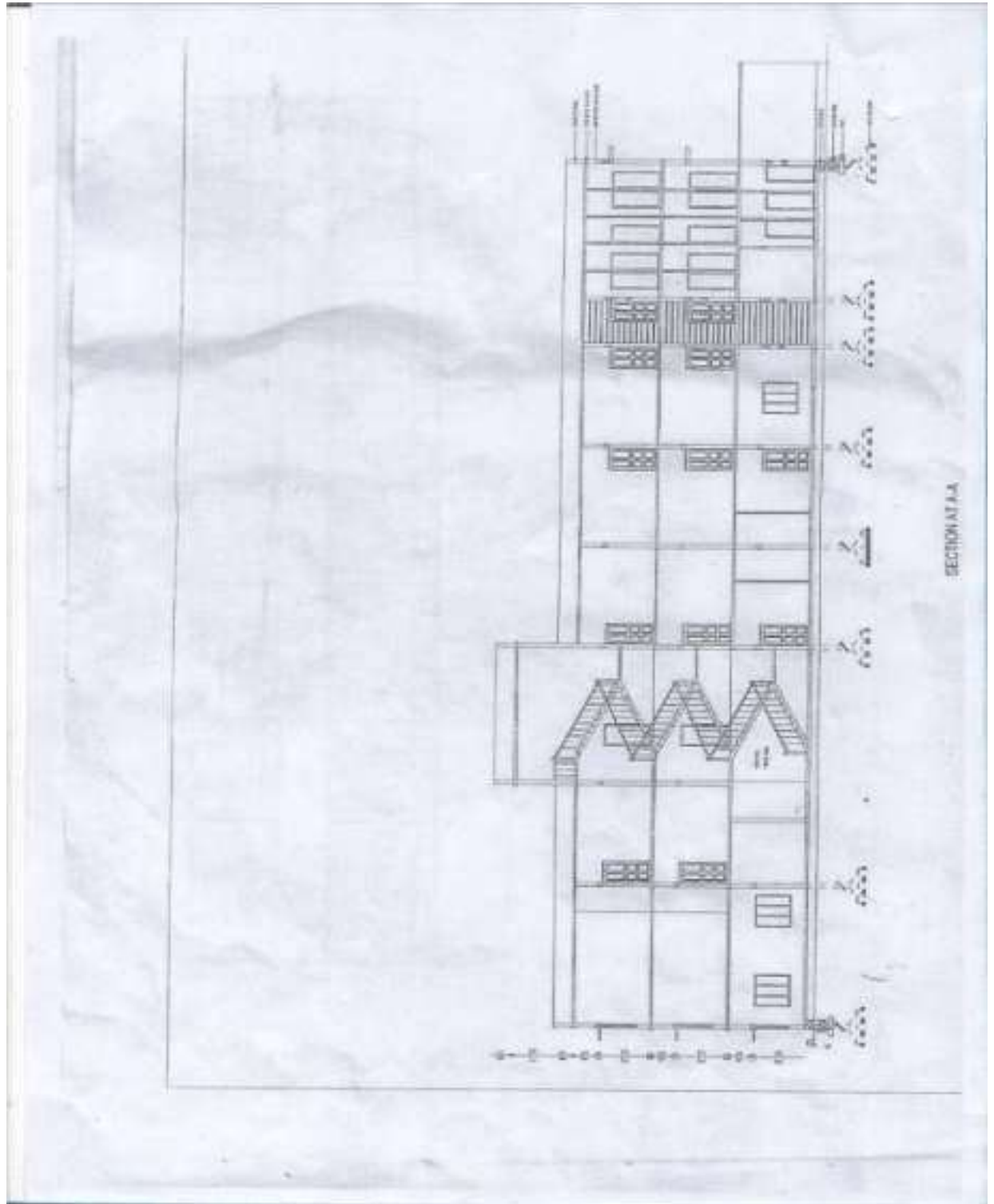
Sl No	Specification	Quantity	Rate	Amount
1 Appendix A				
1.001	1.3 RCC Framed Structure - Building Cost (Specifications as per Annexure-II) for Hostels/Quarters (Type- I to Type-VI Qtrs.) & Bungalows (Type-VII & VIII) - (Upto Six Storeys) -Floor hl. 2.90 m			
		Net Total	1446.750sqm @26325.00/sqm	38085693.75
		Heading Total(Rs)		38085693.75
		Total Estimation PAC		38085693.75
Sl No	Description	Percentage/LS	Amount	
2 Lumsom Heading				
2.001	Internal Water Supply & Sanitary Installations for Hostel building with common toilets			
		38085693.75/8.00%	3046855.50	
2.002	Electrical External Service Connections for all type of buildings			
		38085693.75/3.75%	1428213.52	
2.003	Internal electric installations for all type of buildings			
		38085693.75/12.50%	4766711.72	
		Total Lumsom Amount	9235780.74	
3 Extra Charges				
3.001	Provision for GST			
		0.00/12.00%	0.00	
		Grand Total	47321474.49	
		Round off	78525.51	
		Rounded Total(Rs)	47400000.00	
	Rupees Four Crore Seventy Four Lakh			

Beena L
BEENA. L
 Chief Engineer
 PWD, Buildings
 Thiruvananthapuram-006 003









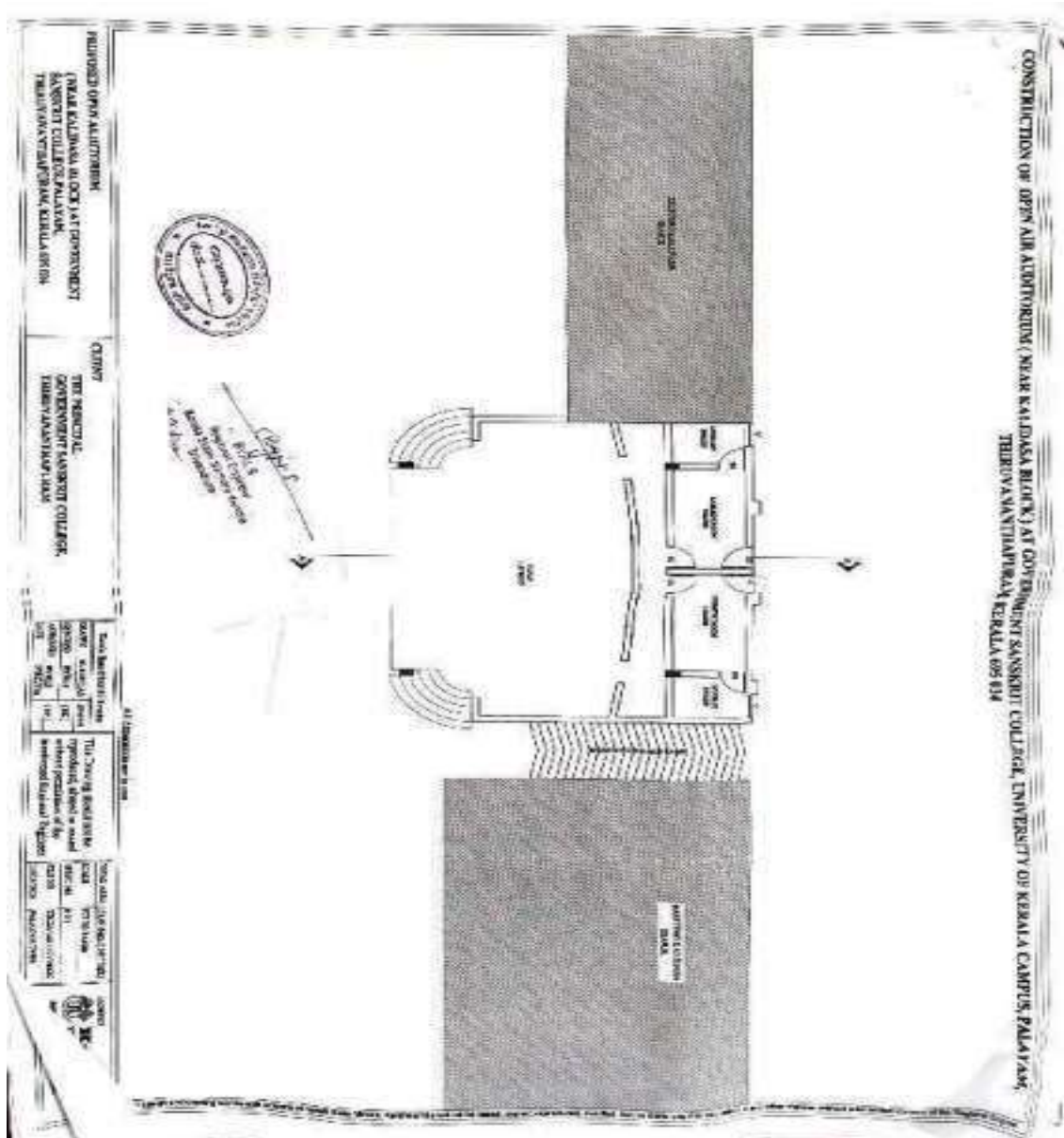
For the construction of the Girls hostel we need an amount of
Rupees 4,74,00,000/-

(Rupees Four Crore Seventy Four Thousand only)

II – 2 – Open stage with roof, green room and Toilet.

Open stage, also called thrust stage or plat form stage, theatrical stage without a proscenium, projecting into the audience and surrounded on three sides by the audience.

II – 2.1 – Plan and Estimate of the above mentioned Auditorium





KERALA STATE NIRMITHI KENDRA

NIRMITHI HABITAT EDUCATION CENTRE

(An Autonomous body of Govt. of Kerala)

Barton Hill, Vanchiyoor P.O., Thiruvananthapuram - 695 037 Phone : 2447638



TECH/18/18/NHEC/1

From,

The Regional Engineer
NHFC,
Barton hill

To

The Principal
Govt. Sanskrit College
Thiruvananthapuram.

Sir,

Sub:- Detailed estimate for the Construction of open air Auditorium(Near Kalidas Block) at Govt. Sanskrit College, Thiruvananthapuram- reg:-

Ref:- Your letter No:A.4/479/2018/Govt. Sanskrit college dated 13.06.2018

We are submitting herewith the detailed estimate for the above cited work amounting to Rs. 3500000.00/- (Rupees: Thirty Five Lakhs Only). I request you to kindly sanction the estimate at the earliest.

Thanking you,

Yours faithfully

Regional Engineer
NHFC,
Barton Hill
Kerala State Nirmithi Kendra
Thiruvananthapuram

**ESTIMATE FOR THE CONSTRUCTION OF OPEN AIR AUDITORIUM(NEAR KALIDAS
BLOCK) AT GOVERNMENT SANSKRIT COLLEGE, THIRUVANANTHAPURAM**

Details of Items	DSR item no	No	L(m)	B(m)	H(m)	Qty	Rate	Amount
1 CIVIL WORKS								
1 Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	15.7.4							
Steps		1	8.13	0.46	0.58	2.17		
"		1	8.13	0.92	0.38	2.84		
"		1	8.13	1.38	0.19	2.13		
Ramp portion		1	6.50	1.00	(0+0.7 7)/2	2.50		
Total						9.64 m ³	842.75 /m ³	8124.11
2 Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :In cement mortar	15.9.2							
Around Tree 1		1	13.19	0.45	0.60	3.56		
Around Tree 2		1	10.36	0.45	0.60	2.80		
Total						6.36 m ³	1005.70 /m ³	6396.25
3 Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles above 25 mm and up to 40 mm	15.23.2							
In ramp portion		1	6.50	1.00		6.50 m ²	49.20 /m ²	319.80



4 Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 60 cm girth upto and including 120 cm girth Trees	2.33.2	2							
5 Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. RCC sunshade	15.3								
6 Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All	2.6.1	2	1.50	0.60	0.10	0.18 m ³	1454.55 /m ³		261.82
Footing		4	1.80	1.80	1.50				19.44
Connection b/w columns		2	7.58	0.90	0.75				10.23
Wall of green room		2	1.60	0.90	0.75				2.16
"		1	8.31	0.90	0.75				5.61
"		3	2.21	0.90	0.75				4.48
Right side portion		1	8.50	0.90	0.75				5.74
Left side portion		1	2.91	0.90	0.75				1.96
Front portion		1	11.97	0.90	0.75				8.08
Connection b/w front columns		1	8.31	0.90	0.75				5.61
Trial space wall		1	12.06	0.90	0.75				8.14



7	Providing and laying in random rubble masonry of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	4.1.8								
	Below Footing	4	1.80	1.80	0.15				1.94	
	Connection b/w columns	2	7.58	0.90	0.15				2.05	
	Wall of green room	2	1.60	0.90	0.15				0.43	
	"	1	8.31	0.90	0.15				1.12	
	"	3	2.21	0.90	0.15				0.90	
	Right side portion	1	8.50	0.90	0.15				1.15	
	Left side portion	1	2.91	0.90	0.15				0.39	
	Front portion	1	11.97	0.90	0.15				1.62	
	Connection b/w front columns	1	8.31	0.90	0.15				1.12	
	Trial space wall	1	12.06	0.90	0.15				1.63	
	Steps in front portion of stage(Both sides)	2	2.50	1.60	0.10				0.80	
	Floor									
	Ladies toilet	1	1.60	2.20	0.10				0.35	
	Ladies green room	1	3.96	2.20	0.10				0.87	
	Gents toilet	1	4.12	2.20	0.10				0.91	
	Gents green room	1	1.60	2.20	0.10				0.35	
	Trial space	1	12.06	1.25	0.10				1.51	
	Stage	1	11.97	7.25	0.10				8.68	
	Total									
8	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement : 6 ")	7.1.1						25.82 m3	4478.15 /m3	115625.83
	Foundation									
	Connection beam b/w columns	2	7.58	0.60	0.60				5.46	
	Wall of green room	2	1.60	0.60	0.60				1.15	



Connection b/w front		1	8.31	0.60	0.60	4.31		
Trial space wall		1	12.06	0.60	0.60	2.99		
Basement						4.34		
Connection beam b/w columns		2	7.58	0.45	0.62	4.23		
Wall of green room		2	1.60	0.45	0.62	0.89		
"		1	8.31	0.45	0.62	2.32		
"		3	2.21	0.45	0.62	1.85		
Right side portion		1	8.50	0.45	0.62	2.37		
Left side portion		1	2.91	0.45	0.62	0.81		
Front portion		1	11.97	0.45	0.62	3.34		
Connection b/w front		1	8.31	0.45	0.62	2.32		
Trial space wall		1	12.06	0.45	0.79	4.29		
Total						50.16 m3	3965.85 /m3	198927.04
9 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up	2.25							
Ladies toilet		1	1.60	2.20	0.92	3.24		
Ladies green room		1	3.96	2.20	0.92	8.02		
Gents toilet		1	4.12	2.20	0.92	8.34		
Gents green room		1	1.60	2.20	0.92	3.24		
Trial space		1	12.06	1.25	0.92	13.87		
Stage		1	11.97	7.25	0.92	79.84		
Total						116.55 m3	125.75 /m3	14656.16
10 Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	5.9.1							
Footing		4	7.20	0.30		8.64 m2	193.95 /m2	1675.73
11 Centering and shuttering including strutting, propping etc. and removal of form for all heights : Lintels, beams, plinth beams, girders, bressumers and cantilevers	5.9.5							



Left side portion		1	2.91	0.60	0.60	1.05		
Front portion		1	11.97	0.60	0.60	4.31		
Connection b/w front		1	8.31	0.60	0.60	2.99		
Trial space wall		1	12.06	0.60	0.60	4.34		
Basement								
Connection beam b/w columns		2	7.58	0.45	0.62	4.23		
Wall of green room		2	1.60	0.45	0.62	0.89		
"		1	8.31	0.45	0.62	2.32		
"		3	2.21	0.45	0.62	1.85		
Right side portion		1	8.50	0.45	0.62	2.37		
Left side portion		1	2.91	0.45	0.62	0.81		
Front portion		1	11.97	0.45	0.62	3.34		
Connection b/w front		1	8.31	0.45	0.62	2.32		
Trial space wall		1	12.06	0.45	0.79	4.29		
Total						50.16 m ³	3965.85 /m ³	198927.04
9 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up	2.25							
Ladies toilet		1	1.60	2.20	0.92	3.24		
Ladies green room		1	3.96	2.20	0.92	8.02		
Gents toilet		1	4.12	2.20	0.92	8.34		
Gents green room		1	1.60	2.20	0.92	3.24		
Trial space		1	12.06	1.25	0.92	13.87		
Stage		1	11.97	7.25	0.92	79.84		
Total						116.55 m ³	125.75 /m ³	14656.16
10 Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	5.9.1							
Footing		4	7.20	0.30		8.64 m ²	193.95 /m ²	1675.73
11 Centering and shuttering including strutting, propping etc. and removal of form for all heights : Lintels, beams, plinth beams, girders, bressumers and cantilevers	5.9.5							



Plinth Beam						
Connection beam b/w columns	2x2	7.58	0.30		9.10	
Wall of green room	2x2	1.60	0.30		1.92	
"	1x2	8.31	0.30		4.99	
"	3x2	2.21	0.30		3.98	
Right side portion	1x2	8.50	0.30		5.10	
Left side portion	1x2	2.91	0.30		1.75	
Front portion	1x2	11.97	0.30		7.18	
Connection b/w front	1x2	8.31	0.30		4.99	
Trial space wall	1x2	12.06	0.23		5.55	
Wall in back portion	1x2	11.97	0.25		5.99	
Beam						
Connection beam b/w columns	2x2	7.58	0.45		13.64	
Wall of green room	2x2	1.60	0.45		2.88	
"	1x2	8.31	0.45		7.48	
Right side portion	1x2	8.50	0.45		7.65	
Left side portion	1x2	2.91	0.45		2.62	
Front portion	1x2	11.97	0.45		10.77	
Connection b/w front	1x2	8.31	0.45		7.48	
Wall in back portion	1x2	11.97	0.45		10.77	
Lintel						
Green room	2x2	11.97	0.15		7.18	
"	3x2	2.21	0.15		1.99	
Total					123.01 m ²	342.90 m ² 42180.13
12 Centering and shuttering including strutting, propping etc. and removal of form for all heights : Columns, Pillars, Piers, Abutments, Posts and Struts	5.9.6					
Columns-Above plinth	4	1.26	4.55		22.93	
Columns-Below plinth	4	1.26	0.60		3.02	
Total					25.95 m ²	467.85 m ² 12140.71
13 Centering and shuttering including strutting, propping etc. and removal of form for all heights : Suspended floors, roofs, landings, balconies and access platform	5.9.3					
Roof slab	1	14.20	11.68		165.86	
Projection in stage(Floor)	1	8.14	0.25		2.04	
Side vertical	1	8.14	0.10		0.81	
Total					168.71 m ²	422.30 m ² 71246.23



14 Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).		5.2.2				
<u>Footing</u>						
Rectangular portion	4	1.60	1.60	0.30		3.07
Trapezoidal portion	4	0.45/3(0.05+2.56+{0.05x2.56})				1.78
<u>Plinth Beam</u>						
Connection beam b/w columns	2	7.58	0.23	0.30		1.05
Wall of green room	2	1.60	0.23	0.30		0.22
"	1	8.31	0.23	0.30		0.57
"	3	2.21	0.23	0.30		0.46
Right side portion	1	8.50	0.23	0.30		0.59
Left side portion	1	2.91	0.23	0.30		0.20
Front portion	1	11.97	0.23	0.30		0.83
Connection b/w front	1	8.31	0.23	0.30		0.57
Tril space wall	1	12.06	0.23	0.23		0.64
Wall in back portion	1	11.97	0.23	0.25		0.69
<u>Beam</u>						
Connection beam b/w columns	2	7.58	0.23	0.45		1.57
Wall of green room	2	1.60	0.23	0.45		0.33
"	1	8.31	0.23	0.45		0.86
Right side portion	1	8.50	0.23	0.45		0.88
Left side portion	1	2.91	0.23	0.45		0.30
Front portion	1	11.97	0.23	0.45		1.24
Connection b/w front columns	1	8.31	0.23	0.45		0.86
Wall in back portion	1	11.97	0.23	0.45		1.24
<u>Lintel</u>						
Green room	2	11.97	0.23	0.15		0.83
"	3	2.21	0.23	0.15		0.23
Columns-Above plinth	4	0.23	0.40	4.55		1.67
Columns-Below plinth	4	0.23	0.40	0.60		0.22



Roof slab		1	14.20	11.68	0.12	19.00		
Projection in stage(Floor)		1	8.14	0.25	0.10	0.20		
Total						41.00 m ³	7145.80 m ³	292977.00
15 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D or more	5.22A 6		41.83x120			4920.00 kg	56.60 /kg	278472.00
16 Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) With Modular bricks	6.3.2							
In back side portion		1	3.10	0.23	2.75	1.96		
"		1	3.30	0.23	2.75	2.09		
"		1	3.10	0.23	2.75	1.96		
"		1	1.13	0.23	2.75	0.71		
Above sunshade		1	3.10	0.23	0.60	0.43		
"		1	3.30	0.23	0.60	0.46		
"		1	3.10	0.23	0.60	0.43		
"		1	1.13	0.23	0.60	0.16		
Cross walls		3	2.20	0.23	4.55	6.91		
Green room-wall		1	1.60	0.23	4.55	1.67		
"		1	8.31	0.23	4.55	8.70		
"		1	1.83	0.23	4.55	1.92		
Tril space wall		1	12.06	0.23	3.30	9.15		
Right side portion		1	8.50	0.23	4.55	8.90		
Left side portion		1	2.91	0.23	4.55	3.05		
"		2	0.73	0.23	4.55	1.53		
Parapet wall		1	43.36	0.10	0.70	3.04		
Steps in front portion of stage(Both sides)		2	3.57	0.30	0.17	0.36		
"		2	3.10	0.30	0.17	0.32		
"		2	2.63	0.30	0.17	0.27		
"		2	2.39	0.30	0.17	0.24		
"		2	1.92	0.30	0.17	0.20		
"		2	1.45	0.30	0.17	0.15		



15	Ramp portion		2	6.50	0.23	(0+0.7 7)/2	1.15		
	Total						55.76 m3		
	Deduction								
	D2 Door		2	0.80	0.23	2.10	0.77		
	D1 Door		4	0.90	0.23	2.10	1.74		
	V Ventilator		2	0.90	0.23	0.60	0.25		
	Openings		2	0.90	0.23	2.10	0.87		
	Lintel								
	Green room		2	11.97	0.23	0.15	0.83		
	"		3	2.21	0.23	0.15	0.23		
	Total Deduction						4.69 m3		
2	Net Total(55.76-4.69)						51.07 m3	5700.50 m3	291124.54
17	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand)	13.7.2							
	In back side portion		2	3.10	5.00		31.00		
	"		2	3.30	5.00		33.00		
	"		2	3.10	5.00		31.00		
	"		2	1.13	5.00		11.30		
	Cross walls		3x2	2.20	5.00		66.00		
	Green room-wall		2	1.60	5.00		16.00		
	"		2	8.31	5.00		83.10		
	"		2	1.83	5.00		18.30		
	Trial space wall		2	12.06	3.30		79.60		
	Right side portion		2	8.50	5.00		85.00		
	Left side portion		2	2.91	5.00		29.10		
	"		2x2	0.73	5.00		14.60		
	Parapet wall		2	43.36	0.70		60.70		
	Top portion		1	43.36	0.10		4.34		
	Total						563.04 m2		
	Deduction								
	D2 Door		6	0.85	2.10		10.71		
	V Ventilator		2	0.90	0.60		1.08		
	Total Deduction						11.79 m2		
	Net Total(434.84-11.79)						551.25 m2	214.20 m2	118077.75
18	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand)	13.7.1							
	Ceiling								
	Stage		1	11.98	8.30		99.43		
	Ladies/Gents Toilet		2	1.60	2.20		7.04		
	Ladies green room		1	3.96	2.20		8.71		
	Gents green room		1	4.12	2.20		9.06		
	Trial room		1	11.97	1.48		17.72		



				549.67 m ²				
19	Total 15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1-4 (1 cement: 4 fine sand) Floor Trial space Stage Roof top Total	13.8.2 1 1 1				141.96 m ² 15.08 86.78 144.21	226.80 /m ²	32196.53
20	Providing and fixing 12 mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick. Marine plywood conforming to IS: 710 To close the existing window	9.126. 1				246.07 m ²	241.50 /m ²	59425.91
21	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two or more coats on new work Ladies/Gents Toilet Ceiling Ladies green room Ceiling Gents green room Ceiling Trial room " Ceiling Top portion Sides Stage Ceiling Beam verticals	13.60. 1 2 2 1 1 1 1 1 2 1 1 2 1 2 1 2x2	2	1.22	1.80	4.39 m ²	1446.60 /m ²	6350.57
				7.60	5.00	76.00		
				1.60	2.20	7.04		
				12.32	5.00	61.60		
				3.96	2.20	8.71		
				12.64	5.00	63.20		
				4.12	2.20	9.06		
				11.97	5.00	59.85		
				12.06	3.30	79.60		
				11.97	1.48	17.72		
				12.06	0.23	2.77		
				1.48	5.00	14.80		
				4.89	5.00	48.90		
				11.97	7.25	86.78		
				7.58	0.45	13.64		



Total					549.67 m ²		
Deduction							
D2 Door	2	0.80	2.10		3.36		
D1 Door	2	0.90	2.10		3.78		
Openings	2	0.90	2.10		3.78		
V Ventilator	2	0.90	0.60		1.08		
Total Deduction					12.00 m ²		
Net Total(549.67-12.00)					537.67 m ²	84.45 /m ²	45406.23
22 Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade-New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	13.47 1						
Outside walls	1	12.20	5.00		61.00		
"	1	8.50	5.00		42.50		
"	2	0.96	5.00		9.60		
Pillars	2	1.26	5.00		12.60		
Parapet walls	2	43.36	0.70		60.70		
Total					186.40 m ²	96.80 /m ²	18043.52
23 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer Qty same as in item no:21+22					724.07 m ²	36.95 /m ²	26754.39
24 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work	13.61 1						
V Ventilator	2x1.50	0.90	0.60		1.62		
Marine plywood	2x0.50	1.22	1.80		2.20		
Total					3.82 m ²	78.40 /m ²	299.49



25	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50grams/ litre	13.85							
	Particle board	1	2x0.50	1.22	1.80		2.20 m2	38.45 /m2	84.59
26	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250	13.85							
	V Ventilator	2	2x1.50	0.90	0.60		1.62 m2	32.55 /m2	52.73
27	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	11.36							
	Ladies/Gents Toilet	2	6.80	2.10			28.56		
	Door sill	2x2	2.10	0.30			2.52		
	Total						31.08 m2	744.80 /m2	23148.38



28	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete. Ladies Gents Toilet Door bit Total	11.37								
			1	1.60	2.20			3.52		
			2	0.80	0.30			0.48		
								4.00 m2	688.35 /m2	2753.40
29	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile	11.41								
		2								
	Ladies green room		1	4.16	2.40			9.98		
	Gents green room		1	4.32	2.40			10.37		
	Door bits		4	0.90	0.30			1.08		
	Total							21.43 m2	1119.4 /m2	23988.74



30	<p>Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogeneous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred</p> <p>& jointed with self driven self tapping screws of size 38mmx4mm & PVC solvent cement, including fixing the frame to wall with suitable dia & length anchor fastener as per manufacturer's specification as per direction of Engineer-in-charge.</p> <p>D2 door</p>	9.123												
31	<p>Providing and fixing factory made 30mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75mmx30mm having wall thickness 5mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm, integrally extruded on the hinge side of the profile for better screw holding power.</p> <p>The styles and rails shall be reinforced with M.S tubes of size 33mmx17mmx1mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bedding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm</p>	9.124	1	2	5.00			10.00 m	380.70 /m				3807.00	



<p>The styles and rails will be milled cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100mmx30mm with wall thickness 5mm&15mm integrally extruded in the fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100mmx8mm complete as per manufacturer's specifications and direction of Engineer-in-charge. Non decorative D2 door</p>	2	0.80	2.10		3.36 m ²	2535.80 m ²	8520.29
<p>32 Providing and fixing M.S grills of required pattern in frames of windows etc. with M.S flats ,square or round bars etc,including priming coat with approved steel primer all complete. Fixed to openings/ wooden frames with rawl plugs screws etc.(10 sq.mm M.S bars 10 cm c/c in each direction)</p>	9.48.2						
<p><u>10 sqmm Rods</u></p>							
<p>V ventilator (2.68x1.00)</p>					53.60		
<p>internal member</p>	2x10	2.68			54.00		
<p>"</p>	2x27	1.00					
<p>V1 ventilator (0.90x0.60)</p>					6.00		
<p>outer frame</p>	2	3.00			10.80		
<p>internal member</p>	2x6	0.90			10.80		
<p>"</p>	2x9	0.60			135.20 m		
<p>Total</p>					105.46 kg	112.45 /kg	11858.53
<p>@ 0.78 kg/m</p>				135.20x0.78			



<p>33 Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partitions etc with 6 mm thick clear float glass both side ,having 12 mm air gap,including providing EPDM gasket ,perforated aluminium spacers,desiccants, sealants (Both primary and secondary sealant) etc. as per specifications,drawing and direction of Engineer in- charge complete.</p>	21.10						
<p>v ventilator</p> <p>34 Providing and fixing aluminium work for doors windows ventilators ad partion with extruded built up standared tubular sections/appropriate Z sections and other sections of approved make conforming to IS:733and IS:1285,fixing with dash fasteners of required dia and size ,includig necessary filling up the gaps at the junctions ,i.etop,bottom and sides with required EPM rubber/ neoprene gasket etc.aluminium section shall be smoth rush free ,straight mitred and jointed mechanically wherever required including cleat angle ,aluminium snap beading for glazing/paneling.C.P.bras</p>	21.1.1 2	2	0.90	0.60	1.08 m2	3176.20 /m2	3430.30



<p>stainless steel screws, all complete as per architectural drawings and the direction of engineer-in-charge (glazing paneling and dash fasteners to be paid for separately) powder coated aluminium (minimum thickness of powder)</p> <p>Aluminium Door</p> <p>Outer frame 4 5.10 20.40</p> <p>Horizontal member 4x3 0.90 10.80</p> <p>Vertical member 4x2 2.10 16.80</p> <p>Outer frame of ventilator 2 7.36 14.72</p> <p>Total 62.72 m</p> <p>@ 0.95kg/Rm 62.72x0.95 59.58 kg 384.50 /kg 22908.51</p>							
<p>35 Providing and fixing 21.2.2</p> <p>12mm thick pre-laminated particle board first pressed three layer or graded wood particle board conforming to IS-12823 grade I type II in paneling fixed in aluminium doors, windows shutters and partition frames with C.P bars/stainless steel screws etc. complete as per architectural drawings and the direction of engineer-in-charge</p> <p>pre-laminated particle board with decorative lamination on both sides</p> <p>Aluminium Door 4 0.90 0.90 3.24 m² 866.60 /m² 2807.78</p>							
<p>36 Providing and fixing 21.3.2</p> <p>glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic</p>							



Aluminium Door		4	1.00	1.20		4.80		
Ventilator		2	2.68	1.00		5.36		
Total						10.16 m2	1003.95 /m2	10200.13
37 Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc complete as per direction of Engineer-in-Charge : Powder coated minimum thickness 50 micron aluminium tubular handle bar door handle	21.12	2						
		8				8.00 nos	509.30 /E	4074.40
38 Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete. door lock	21.13							
		4				4.00 nos	359.00 /E	1436.00
39 Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete door closer	2456							
		4				4.00 nos	303.00 /E	1212.00
40 Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Ordinary cement without any pigment	11.19	4						
Steps		2	3.57	0.47		3.36		
"		2	3.10	0.47		2.91		
"		2	2.63	0.47		2.47		
"		2	2.39	0.47		2.25		
"		2	1.92	0.47		1.80		
"		2	1.45	0.47		1.36		



Ramp Total		1	6.50	1.00	6.50			
II PLUMBING WORKS					20.65 m2	837.45 /m2	17293.34	
1 Providing and fixing white vitreous china pedestal type water closet (European type WC pan) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P flush bend with fittings and CI brackets , 40 mm flush bend overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets , cutting and making good the walls and floors wherever required W.C pan with ISI marked white solid plastic seat and lid.	17.3.2							
2 Providing and fixing CP brass angle valve for basin mixer gysar points of approved quality conforming to IS 8931 15mm nominal bore	18.53.	2			2.00 nos	4570.50 /E	9141.00	
3 Constructing masonry chamber 30 x 30 x 50 cm inside in brick work in CM 1:4(1 cement:4 coarse sand) for stop cock with C.I surface in CM 1:4(1 cement: 4 coarse sand) for sluice valve with CI surface box 100 mm top diameter , 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC topbox	18.32.	4			4.00 nos	475.70 /E	1902.80	



<p>100 x 100 x 75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4, i/c necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand :10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design with common burnt clay F.P.S(non modular) bricks of class designation 7.5</p>		2				2.00 nos	1195.35 /E	2390.70
<p>4 Constructing masonry chamber 90 x 90 x 100 cm inside in brick work (1 cement :2 coarse :4 graded stone aggregate 20 mm nominal size) slab 1:2:4 mix(1 cement :2 coarse sand : 4 graded stone aggregate) 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with CM 1:3:4 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as With common burnt clay FPS (non modular) bricks of class designation 7.5</p>	18.34	1				1.00 No	11842.75 /E	11842.75



<p>5 Constructing masonry Chamber 120x120x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chamed lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , w/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :With common burnt clay F.P.S.(non modular) bricks of class designation 7.5</p>	<p>18.35 1</p>								
<p>6 Providing and fixing wash basin with C.I brackets, 15 mm C.P brass pillar taps, 32 mm C.P brass waste of standard pattern including painting of fittings, and brackets, cuttings, and making good the walls wherever required white vitreous china wash basin size 630x450 mm with a single 15mm C.P brass pillar tap</p>	<p>17.7.2 2</p>	<p>1</p>			<p>1.00 nos</p>	<p>16334.65 /E</p>			<p>16334.65</p>
					<p>2.00 nos</p>	<p>2020.60 /E</p>			<p>4041.20</p>



7	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour 600mm long towel rail with total length of 645mm, 78mm wide and effective height 88mm weight not less than 100gms.	17.73	2			2.00 nos	422.70 /E	845.40
8	Providing and fixing brass bib cock of approved quality 15 mm nominal bore	18.15	2			2.00 nos	260.10 /E	520.20
9	Providing and fixing brass stop cock of approved quality 15 mm nominal bore	18.16	2			2.00 nos	260.10 /E	520.20
10	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing Rectangular shape 453x357 mm	17.32	2			2.00 nos	752.80 /E	1505.60
11	Providing and fixing PTMT soap dish holder having length of 138 mm breadth 102 mm height of 75 mm concealed fitting arrangements weighing not less than 106 gms	18.65	2			2.00 nos	112.30 /E	224.60
12	Providing and placing on terrace (at all floor levels) A polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet,	18.48						



outlet and overflow pipes put without fittings and the base support for tank. Circular tank		1000			1000.00 lit	7.25 /lit	7250.00
III ELECTRICAL WORKS							
1 Wiring for light point/fan point/ exhaust fan point/ call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq mm FR PVC insulated copper conductor single core cable etc as required. Group C	1.10.3						
light/fan/calling bell / 5 Amps plug point		35			35.00 nos	757.00 /no int	26495.00
2 Wiring for light point/plug point with 2x4 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, along with 1 No 4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	1.12						
3 Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but	2.5.3	1	50.00		50.00 m	168.00 /m	8400.00



without MCBs and incomer) as required (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 12 way (4 + 36), Double door								
4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator) 8 way, Double door	2.3.2	1			1.00 nos	7189.00 /E	7189.00
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required		2			2.00 nos	1061.00 /E	2122.00
	5/6 amps switch	1.24.1	35			35.00 nos	84.00 /E	2940.00
	3 pin 5/6 amp socket outlet	1.24.4	10			10.00 nos	81.00 /E	810.00
	15/16 amp switch	1.24.3	2			2.00 nos	114.00 /E	228.00
	6 pin 15/16 amp socket outlet	1.24.5	2			2.00 nos	153.00 /E	306.00
6	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2x2.5 sq mm + 1x2.5 sq mm earth wire	1.14.2						
			1	100.00		100.00 m	137.00 /m	13700.00



7	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc as required	1.25	4			4.00 nos	288.00 /E	1152.00
8	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring / cable as required	5.19						
9	Earthing with GI earth plate 600mm x 600mm x6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required	5.4	1	15.00		15.00 m	73.00 /m	1095.00
10	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.		1			1.00 nos	4327.00 /no	4327.00
	3 Module	1.27.2	4			4.00 nos	185.00 /E	740.00
	6 Module (200mmX75mm)	1.27.4	5			5.00 nos	258.00 /E	1290.00
	8 Module (125mmX125mm)	1.27.5	5			5.00 nos	297.00 /E	1485.00
	12 Module (200mmX150mm)	1.27.6	4			4.00 nos	344.00 /E	1376.00
11	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.							
	3 Module	1.28.2	4			4.00 nos	91.00 /E	364.00
	6 Module	1.28.4	5			5.00 nos	126.00 /E	630.00
	8 Module	1.28.5	5			5.00 nos	151.00 /E	755.00
	12 Module	1.28.6	4			4.00 nos	166.00 /E	664.00



7	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc as required	1.25	4		4.00 nos	288.00 /E	1152.00
8	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required	5.19	1	15.00	15.00 m	73.00 /m	1095.00
9	Earthing with GI earth plate 600mm x 600mm x6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	5.4	1		1.00 nos	4327.00 /no	4327.00
10	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.						
	3 Module	1.27.2	4		4.00 nos	185.00 /E	740.00
	6 Module (200mmX75mm)	1.27.4	5		5.00 nos	258.00 /E	1290.00
	8 Module (125mmX125mm)	1.27.5	5		5.00 nos	297.00 /E	1485.00
	12 Module (200mmX150mm)	1.27.6	4		4.00 nos	344.00 /E	1376.00
11	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.						
	3 Module	1.28.2	4		4.00 nos	91.00 /E	364.00
	6 Module	1.28.4	5		5.00 nos	126.00 /E	630.00
	8 Module	1.28.5	5		5.00 nos	151.00 /E	755.00
	12 Module	1.28.6	4		4.00 nos	166.00 /E	664.00



12	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	1.26						
13	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire Main DB to Sub DB	1.14.4	4			4.00 nos	24.00 /E	96.00
14	Wiring for circuit/submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. 2 X 16 sq. mm + 1 X 6 sq. mm earth wire Panel Board to DB	1.14.6	1	100.00		100.00 m	227.00 /m	22700.00
	TOTAL1		1	40.00		40.00 m	408.00 /m	16320.00
	ADD COST INDEX 44.12% ABOVE D.S.R 2016							1961007.05
	NON SCHEDULED ITEMS							865196.31
	1 PLUMBING WORKS							1.50
1	PVC pipe 20 mm outer dia. 12kgf/cm ²	MR	40	1	25.00	25.00 m	40.50 /m	1012.50
2	PVC pipe 32 mm outer dia. 10kgf/cm ²	MR	44	1	10.00	10.00 m	65.00 /m	650.00
3	PVC pipe 50 mm outer dia. 10kgf/cm ²	MR	48	1	10.00	10.00 m	90.00 /m	900.00
4	PVC pipe 110 mm outer dia. 6kgf/cm ²	MR	54	1	20.00	20.00 m	211.00 /m	4220.00
5	Health Faucet superior quality	MR	37	2		2.00 nos	1100.00 /E	2200.00



6	Engaging labour for plumbing works	O116						
	Fitter		7				7.00 nos	750.00 /E
7	Providing 6" silt with CP gratings							5250.00
			2				2.00 nos	250.00 /E
8	Cost of elbow, Tee, cotton waste, solvent etc							500.00
								15
								1000.00
	II CIVIL WORKS							
1	Supplying and fixing etching sticker on existing glazed portion of Aluminum partition wall including all labour charges cost of materials etc. complete							
	Aluminium Door		4	1.00	1.20		4.80	
	Ventilator		2	2.68	1.00		5.36	
	Total						10.16 m2	550.00 m2
								5568.00
	III ELECTRICAL WORKS							
1	Supplying and fixing angle batten with 23 watts CFL and other accessories							
			5				5.00 nos	350.00 /E
								1750.00
2	Supplying and fixing 48" ceiling fan (crompton / bajaj /havles) and other accessories							
			4				4.00 nos	2000.00 /E
								8000.00
3	Supplying and fixing single tube set (electronics) and other accessories							
			12				12.00 nos	650.00 /E
								7800.00
4	Supplying and fixing wash basin mirror lamp with 20 watt CFL and other accessories							
			2				2.00 no	900.00 /E
								1800.00
	Unforseen Items if any							2019.50
	TOTAL 1							2869793.36
	INSTITUTION FEE 8%							229583.47
	TOTAL 2							3099376.83
	GST 12% OF TOTAL 2 FROM 01.07.2017 BY GOVT OF INDIA							371925.22
	WWF 1% of Total							28697.93
	GRAND TOTAL							3499999.98
	SAY							3500000.00

Rupees Thirty Five Lakhs Only



Page 5
 Regional Engineer
 Kerala State Narmada Kendra
 Thrissur

II – 3 – Indoor Stadium with Volley ball Court, Shuttle Court and Parking area

Given the popularity and global recognition of sports, the demand for modern and sophisticated indoor sports facilities has drastically increased. Modern courts to practice and play is the need of the hour when the enhancement of Sports performance is concerned.

Being an Educational Institution sports facilities which suit for the all-weather condition is a must. It will help us to produce a good number of State, University, Inter-University, National, and International Players. We propose a multi-purpose Indoor stadium with Badminton, Volleyball, Basketball and Handball courts. The stadium should be constructed with parking facilities at the basement to tackle space constrain.

The stadium should have the following.

1. Administrative Office
2. Gallery seating on one side
3. Store Room

4. Dressing and Rest Room
5. Medical and First aid Room
6. Reverse Osmosis Drinking Water.

II – 3.1 – Estimate

Sl. No.	Items	Estimate
1	Civil works of the stadium	9 Crores
2	Modern Flooring	1 Crore
3	Drinking-Water Facility	5 Lakhs
4	Multi Gym	10 Lakhs
5	Other court Equipment's inside the stadium	5 Lakhs
6	Sound System and associated Items	5 Lakhs
7	Theatre for Video Analysis and Theoretical teaching	70 Lakhs

8	Video Recording Facilities	5 Lakhs
Total		11 Corers

(Rupees Eleven Crore only) II –

4 – Up Gradation of Knowledge Hub

The library of the Govt. Sanskrit College, Thiruvananthapuram is a great one containing a large number of books, many of them being very rare. Partially documentation was done about 5 years ago with the financial support of the DCE, Thiruvananthapuram. As part of modernization the documentation need to be upgraded to a greater level so that the access to the books and periodicals available here will be easier to students teachers and the public at large. The location of books, information regarding its distribution, books returned, last borrower etc. can be precisely stored and accessed. For this purpose implementation of RFID system is highly needed.

We are, therefore, submitting a project report for the up gradation for your consideration and financial aid to upgrading it. An amount of 13, 86,100/- (Rupees Thirteen Lakhs Eighty six

Thousand One Hundred only) is needed for the said project. We, therefore, very humbly request you to kindly go through, consider, the project and sanction necessary financial assistance if so that the project can be implemented immediately.

II – 4.1 – Estimate

RFID LIBRARY MANAGE MENT SYSTEM Squiggie Inlay	EPC Gen 2(v1.2.0) compliant 840-960MHZ Dimension: 3.992" [101.4mm] x 0.625" [15.875mm] Integrated Circuit Alien Higgs-3 Operating Frequency 840-960 MHz EPC Size 96 - 480 Bits User Memory 512 Bits TID 32 Bits Unique TID 64 Bits Access Password 32 Bits Ki II Password 32 Bits	For pasting on Book	7.90/-	38000	3,00,200
RFID Card	Dimensions: 85.6 • 54 x 0.8m m Su bstrate: PVC Memory.' 96- bit EPC 64 bit UI D 224- bit User Area Frequency: UHF (860 960MHz) Read distance: upto 5m/.4ft	For issuing to each member	46	650	29,900

Integrated Reader	<p>UHF middle-distance integrative reader Processor: ARM CORTEX M300M Memory: RAM 16K bits + FRAM 32Kbit s.Frequency > 860MHz-868MHz(CE) Protocol: I SO18000- 6 B.EPC G2 Interface: RS232. RS485, TCP/ I P GPIO: 1Relay output, 2 TTL outputs. 2 TTL inputs Reading Range 5-8 m Power Consumed: DC+ 9V/ 1 2V</p>	Book issue/ Return at circulation counter	25000	1	25,000
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Handheld Reader	<p>UHF handheld reader with PDA Frequency : 860MHz-868MHz(CE) Protocol : I SO18000- 6B EPC G2 Reading Range: 2M Connectivity: Wi-Fi (802.11b/g), USB CPU: Samsung ARM920 T@5 33 MHz Memory: 128 MB RAM/ 1GB Bash</p>	Book finding physical verification	93000	1	93,000
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Anti-theft gate reader	Frequency: 860MHz-868MHz (CE) Protocol : ISO18000-6B E” G2 Reading Range: 3M Power Consumed: DC+9V/1 2V Interface:TCP/I P Sound Alarm & LED glowing for theft indication	Anti- theft control (for fixing on exit gate)	1,72,000	1	1,72,000
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Software Integration Charges	Integration with Koha Circulation, Cataloguing, LMS software Self -Check in/ Check out		30000	1	30,000
One time Installation and Training Cost			15000		15,000
KioskUHF passive RFID— Issue/Renew/Return/Search			1,77000		1,77,000
UHF Drop box			1,72000	1	1,72,000

Printing Cost for RFID Card — One Side printing			30	400	12,000
Desktop Computers	Intel Core i7 8th Gen. Quad Core, 1.8 GHz Clock Speed. 8 GB RAM. 512 GB Hard Disk. Intel UHD Graphics 620. 13.3 inches, 1920 x 1080 pixels. Windows 10	As server For RFID	750000	4	3,00,000
Hand held barcode scanner	1D Laser, AT/PS/2 Keyboard wedge, Handheld, Multiple interface including USB	For the transactions of Books	3	5000	15,000
Wireless Barcode scanner	Wireless communication : BT class 1 version 2.1+EDR, 100 metre range scanner dimension upto 109mm x 77mm x 167mm	For stock verification purpose	15000	1	15,000
Laser jet printer	600 x 600 dpi with HP Resolution Enhancement technology (REt). 1200 dpi effective output quality (600 x 600 x 2 dpi) with HP Resolution Enhancement technology (REt)). 14 A4 pages per minute (ppm), 15 letter-size ppm First page out in as low as 10 seconds		15000	2	30,000

13, 86,100/-

(Thirteen Lakhs Eighty six Thousand One Hundred only)

II – 4.2 – NLIST SUBSCRIPTION

As a college giving instructions on language especially Sanskrit the Library is very much important for the students and teachers it is very essential in the present scenario to know of the branches other than philosophy and literature. For that it is better than keeping up books paying high amount which consume large area which need be constructed spending much expense, it is better to implement INFLIBNET, JSTORE etc. Among the alternatives NLIST can be used and it coasts only 7,000/- (Rupees Seven Thousand only) for annual subscription. So kindly consider it also for improving the convenience for the students and teachers.

II – 4.3 – Central Library building

Various levels of facilities, services organized in the Central Library

Level-I: Circulation Counters, property counter, RFID Gates, Electronic Security System, Electronic Book Drop, Touch Screen Information Kiosk, Security Desk, Visitors Launch, Room of

Librarian, Books Acquisition, Technical Processing Section, Book Stacks, Readers Tables.

Level-II: Current Journals Display, Journals Received Today,
Digital Knowledge Center, Xerox Room.

Level: III: Back Volumes and archives

Level IV: Resource Center, Reading Seats Reference Hall

Major Facilities in the Central Library enhancing the The Role
of Library

- Digital Knowledge Center
- Personal Study center ● Book Bank
- Reference Hall
- Current Journals Hall Media Resource Center
- Back Volumes Reading Halls
- I-Portal User Terminals Area
- Media Resources Center
- Students Discussion Hall
- Research Carrels

Other distinguished Features

- Students and teachers comfort level is very high

- Learning friendly environment
- Provision of focus light
- Storage and sanitation facilities
- Split air conditioning
- Aluminum grills with smaller size mesh on

windows to prevent pilferages of books

- Sidewalk facility
- Effective use of natural lights
- Outstanding architectural exterior
- Energy saving design with natural ventilation system
- Reading space adjacent to stacks
- Feeling of spaciousness
- Provision for fire detection and control systems

For the proposed Central Library a new three storied building with minimum 4500sq. ft. should be constructed as the extension of the existing library. For the construction of proposed building PWD officials roughly estimated Rs.10,000,000/-

(Rupees One Crore only)

II – 5 – Solar panel

In this big college there is a lot of use of electronic gadgets and appliances on a daily basis which increases the usage of electricity leading to huge amount of bill per month. In order to cut down the electricity expenses we are planning to install solar panels of 10 kilo watts each which will play a huge role in cost reduction. II – 5.1 – Estimate for 10KW on grid solar power plant

Sl. No	Item	Rate
1	Solar Module 10Kw (Mono Half cut)	3,00,000
2	10kw PCU (Power conditioning unit with 10 year warrantee) (Fromics, A&B, Havells)	1,00,000
3	Module Mounting structure, cabling, DCDB (with surge protection, ACDB (with surge protection) Module mounting Box (Array Junction Box) Lighting Arrester, Earthing with compad as per ISI Standard, Installation charge and transportation	2,00,000
4	KSEB and electrical inspect for ate charge	50000

Total	6,500,00
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(Rupees six Lakh fifty thousand only)

II – 6 – High Teach Smart Class Rooms

Smart classroom is a technology-enhanced classroom that fosters opportunities for teaching and learning by integrating learning technology, Such as computers. Specialized software, audience response technology, assistive listening devices, networking, and audio/visual capabilities. The following five classrooms in the main block (A.R. Block) are selected for modification into high-tech/ smart classrooms.

II – 6 – 1 – Classroom selected for smart classroom

Departments	Class rooms
Sahitya	310
Jyothisha	311
Nyaya	301

Vedanta	309
Vyakarana	308
English & Hindi	303
Malayalam & Physical Education	201

II – 6.2 – Facilities required for High Tech Smart Classrooms.

Sl. No	Name of Equipment	QTY (No.)	Unit Prize	Total amount
1	Desktops (Intel, core i3 processor, 4 GB RAM, 1T B HDD Keyboard, Mouse, and windows OS	7	45,000	3,15,000
2	Wi-Fi , DLP technology Access points (Dual brand Concurrent (2.4 GHz/5GHz), adaptive antennastandard 802.3 af power over Ethernet DHCP Services	7	20,000	140,000
3	Ultra shot throw LED projector (30000nlumens 0,377:1 throw ratio DLP technology	7	1,50,000	1,050,000
4	Interactive Board	7	1,50,000	1,050,000

5	Jefferson chair	7	6000	42,000
6	Wooden podium	7	20000	1,40,000
7	Computer stand with drawer and lock for keeping accessories	7	15,000	1,05,000
8	Audio/speaker system	7	50,000	3,50,000
9	LAN cabling UTP cabling and electrical wiring from UPS and ELCB	LS	2,40,000	2,40,000
10	CCTV and cabling One 48 inch TV	7	30,000	210,000
Total				3,642,000

(Rupees Thirty six Lakhs forty two thousand only)

II – 7 – E – Content Development Studio

In this era, online classes are really in the limelight and most people choose online classes over offline as they can attend classes from the comfort of their homes. This also helps students who are traveling long distances to reach college. So with these points in mind, we are planning to open a content development studio in our college for recording classes or for conducting any program that needs any kind of social media streaming.

II – 7.1 – Estimate

Sl. No	Name of Equipment	QTY (No.)	Unit Prize	Total amount
1	Desktops (Intel, core i3 processor, 4 GB RAM, 1T B HDD Keyboard, Mouse, and windows OS	2	45,000	90,000
2	Wi-Fi , DLP technologyAccess points (Dual brand Concurrent (2.4 GHz/5GHz), adaptive antenna standard 802.3 af power over Ethernet DHCP Services	2	20,000	40,000
3	Ultra shot throw LED projector (30000 nlumens 0,377:1 throw ratio DLP technology	1	1,50,000	1,50,000
4	Interactive Board	1	1,50,000	1,50,000
5	UPS-5 KVA (ISO certified brand,PF:0,9, single phase SMF batteries with 4 hrs full load backup, IGBT tecnologies	1	1,50,000	1,50,000
6	Audio/speaker system	1	2,00,000	2,00,000

7	LAN cabling UTP cabling and electrical wiring from UPS and ELCB	LS	100,000	100,000
8	CCTV and cabling One 48 inch TV	1	30,000	30,000
9	Computer Desk	2	5000	10,000
10	Electrical works tube lights and other electrical fittings switchboards for Computers		1,50,000	1,50,000
11	Microphone etc.	2	50,000	1,00,000
Total				1,170,000

(Rupees Eleven thousand and seventy thousand only)

II – 8 – Office cabin and Principals room

After the completion of the Sankara Block, the administrative block will be shifted to the First floor of the Said building. II –

8.1 – Estimate



KERALA STATE NIRMITHI KENDRA

NIRMITHI HABITAT EDUCATION CENTRE

(An Autonomous body of Govt. of Kerala)

Barton Hill, Vanchiyoor P.O., Thiruvananthapuram - 695 037 Phone : 2447638

TECH/148/21/NBEC/2



From,

The Regional Engineer,
NHFC,
Barton Hill

To

The Director,
Collegiate Education Directorate,
Thiruvananthapuram.

Sr,

Sub:- Rough Cost Estimate For Interior Work In Principal Chamber And Office Area
at Sanskrit College Thiruvananthapuram- reg:-

Ref:- Discussion from your office dated 06.01.2021

We are submitting herewith the rough cost estimate for the above cited work
amounting to Rs. 3335048.00/- (Rupees: Thirty Three Lakhs Thirty Five Thousand
and Forty Eight Only). I request you to kindly sanction the estimate at the earliest.

Thanking you,

Yours faithfully


Regional Engineer
NHFC
Regional Engineer of
Kerala State Nirmithi Kendra
Thiruvananthapuram

**ROUGH COST ESTIMATE FOR INTERIOR WORK IN PRINCIPAL CHAMBER AND OFFICE AREA
AT SANSKRIT COLLEGE, THIRUVANANTHAPURAM.**

Sl. No	Details of Items	DSR Item No	No	L(m)	B(m)	H(m)	Qty	Rate	Amount
1	CIVIL WORKS (As per - DSR-2018)								
1	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with disk fastener 12.5 mm dia x 20mm long with 6mm dia bolts, other flange fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels	12.4 5.1							
	Principal Room		1	8.06	8.12		65.45		
	Vertical area		2	6	0.15		1.80		
	Passage		2	6.5	0.15		1.95		
	Office Room		1	4.1	1.5		6.15		
	Office Room		1	12.18	8.12		98.90		
	Net total						174.25 m2	1117.65 /m2	194749.17
2	Applying one coat of water drinkable cement primer of approved brand and manufacture on wall surface. Water drinkable cement primer	13.4 3.1							



Principal Room		1	8.06	8.12		65.45			
Vertical area		2	6		0.15	1.80			
		2	6.5		0.15	1.95			
Passage		1	4.1	1.5		6.13			
Wall		1	1.5		3	4.50			
		1	4.1		3	12.30			
Office Room		1	12.18	8.12		98.90			
Wall		2	12.18		3	73.08			
		2	8.12		3	48.72			
Record Room		1	6.54	4.1		26.81			
Wall		1	6.54		3.6	23.34			
		1	4.1		3.6	14.76			
Total						377.97			
Deduction									
Window		8	1.5		1.5	18.00			
Door		3	0.9		2.1	5.67			
Total Deduction						23.67			
Net total						354.30	m2	60.00	m2
3. Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and	13.8					354.30	m2	115.15	m2
4 Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade. Two or more coats on new work. Quantity same as item	13.6	0.1				354.30	m2	128.65	m2
II ELECTRICAL WORKS									
5 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core	1.10	3					each	990.00	/each
		28				28.00	h		27720.00



Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc.	1.24.	1							
		42			42.00	h	85.00	/each	3570.00
7 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 3 pin 5/6 A 15/16 amp switch	1.24.	4							
		51			51.00	h	111.00	/each	5661.00
	1.24.	3			6.00	each	132.00	/each	792.00
6 pin 15/16 amp socket outlet	1.24.	5			6.00	each	175.00	/each	1050.00
8 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required 1 or 2 Module (75 mmX75 mm)	1.27.	1							
		12			12.00	h	243.00	/each	2916.00
9 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess	1.27.	2							
		3			3.00	h	267.00	/each	801.00
10 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess	1.27.	4							
		15			15.00	h	333.00	/each	4995.00
11 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required. 1 or 2 Module	1.28.	1							
		12			12.00	h	114.00	/each	1368.00
12 Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required. 3 Module	1.28.	2							
		3			3.00	h	128.00	/each	384.00



14	Supplying and fixing following Modular bare & cover plate on existing modular metal boxes etc. as required. 6 Module	1.28. 4	15			15.00	167.00	reach	2305.00
15	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single wire cable in surface/ recessed steel conduit as required.								
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm wire	1.7.1	320			320.00	208.00	m	66560.00
15	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required								
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	1.14. 3	120			120.00	200.00		24000.00
	TOTAL								444786.54
	ADD COST INDEX 37.93% ABOVE DSR 2016								168677.19
	TOTAL-I								613383.73
III	NON SCHEDULED ITEMS								
	CIVIL WORK								
16	Providing and fixing Wooden paneling with 16mm BWR Plywood for frame work) and 12mm mm BWR plywood overlaid with 1mm laminate for panel Rate quoted shall include all material, labour charges, cost								
	Principal Room wall area		2	8.12	3	48.72			
			2	8.06	3	48.36			
	Total					97.08			



Deduction							
Door	1	0.9	2.1	1.89			
Window	5	1.5	1.5	11.25			
TV Panel area	1	3	3.15	9.45			
Total Deduction				22.59			
Net Total				74.49	m ²	4750.00	/m ² 353827.50
17 Supplying and fixing teflon coated decorative washable wallpaper including all material and labour charge etc							
ceiling area	1	6	3	18			
Cove ceiling	4	6	0.15	3.6			
Net Total				21.6	m ²	2400.00	/m ² 51840.00
18 Providing and fixing TV Panel with accessory ledge using a combination of 9mm 12 mm and 16mm BWR Plywood with 1mm laminate . Rate quoted shall include all material, labour charges, cost of conveyance etc							
	1	1.5	3	4.5	m ²	6980.00	/m ² 31410.00
19 Providing and fixing Flush Door frame using a combination of 6 mm, 9 mm, 12 mm and 18 mm BWR Grade Plywood overlaid with 1mm laminate Rate quoted shall include all material, labour charges, cost of conveyance,etc							
Door frame 1	2	0.9	2.10	2.00 each		8500.00 /each	17000.00
20 Providing and fixing Flush Door in position overlaid with 1mm laminate including vision panel, Tower bolt hinges etc Rate quoted shall include all material, labour charges, cost of conveyance etc							
	2	0.9	2.10	2.00 each		16000.00 /each	32000.00
21 Supplying and fixing Doorcloser including all materials and labour charges etc							
	6			6.00 each		1800.00 /each	10800.00



	Supplying and fixing Door handle including all materials and labour charges	2				2.00 each	1350.00 /each	2700.00
23	Supplying and fixing Door lock including all materials and labour charges etc	2				2.00 each	1250.00 /each	2500.00
24	Providing and fixing Ledges using mild steel angles for frame work a combination of 6mm, 9mm, 12mm BWR Plywood with 1mm laminate for Ledge top and bottom. Rate quoted shall include all material, labour charges, cost of conveyance etc	1	18	0.3	3.4		7870.00 /m ²	42498.00
25	Providing and fixing Modular Table of size 2000 mm (l) x 1200mm (w) x 750 mm (h) shall be formed out of 18 mm thick BWR Plywood with 1mm laminate and all exposed edges lipped with PVC edge banding. Inside portion of the Table will be covered with 0.8mm laminate. Keyboard tray with mouse pad shall be formed out of metal fixed with	1				1.00 each	68980.00 /each	68980.00
26	Providing and fixing Side Return Table of size 1200 mm (l) x 400mm (w) x 650 mm (h) shall be formed out of 18 mm thick BWR Plywood with 1mm laminate and all exposed edges lipped with PVC edge banding. Inside portion of the Table shall be covered with 0.8mm laminate. Rates include all materials and labour charges etc	1				1.00 each	14250.00 /each	14250.00



<p>Providing and fixing Modular Table of size 1500 mm (l) x 600mm (w) x 750 mm (h) Top shall be formed out of 18 mm thick Pre-laminated particleboard, laminate used for table top shall be scratch resistant & deflection resistant with all exposed edges lipped with PVC edge banding. All the exposed surfaces of the table to be finished in approved laminate. Keyboard tray with mouse pad shall be formed out of metal or PLB fixed with approved sliding channels. CPU Trolley will also be provided. (HC & Accountant)</p>	2		2.00 each	22515.00 /each	45030.00
<p>28. Providing and fixing Side Return Table of size 900 mm (l) x 400mm (w) x 650 mm (h) shall be formed out of 18 mm thick Pre-laminated particleboard, laminate used for table top shall be scratch resistant & deflection resistant with all exposed edges lipped with PVC edge banding. Provision for storage unit with two openable shelves will also be provided.(HC & Accountant)</p>	2		2.00 each	10857.00 /each	21714.00



<p>Providing and fixing Modular Table of size 1350 mm (l) x 600mm (w) x 750 mm (h) Top shall be formed out of 16 mm thick Pre-laminated particleboard, laminate used for table top shall be scratch resistant & deflection resistant with all exposed edges lipped with PVC edge banding. All the exposed surfaces of the table to be finished in approved laminate. Keyboard tray with mouse pad shall be formed out of metal or PLB fixed with approved sliding channels. CPU Trolley will also be provided. (Clerk)</p>	12	12.00 each	20515.00 /each	246180.00
<p>30 Providing and fixing Side Return Table of size 900 mm (l) x 400mm (w) x 650 mm (h) shall be formed out of 18 mm thick Pre-laminated particleboard, laminate used for table top shall be scratch resistant & deflection resistant with all exposed edges lipped with PVC edge banding. Provision for storage unit with two operable drawers will also be provided. (Clerk)</p>	12	12.00 each	10857.00 /each	130284.00



Supplying and fixing wooden partition by covering with 9mm BWR plywood on either side of 16mm BWR Plywood frame work and all exposed portions of the plywood will be finished with 1mm thick Laminate of approved make and shade. Including all materials and labour charges etc. (Vice President, A.T. UPS room under stair case ,						
Record Room	1	4.1	3.6	14.76		
	1	6.54	3.6	23.544		
Passage	1	1.5	3	4.5		
Office Room	1	4.80	0.90	4.32		
	1	2.87	0.90	2.58		
	1	1.45	0.90	1.31		
Total				51.01		
Deduction						
Door	2	0.90	2.10	3.78		
Net Total				47.23 sqm	6400.00 /sqm	302284.80
32 Providing and fixing Glass Partition using a combination of 6 mm, 9 mm and 16 mm BWR Grade Plywood for frame work and overlaid with 1mm laminate and 6mm plain glass for centre panel. Rate quoted shall include all material, labour charges, cost of						
Office Area	1	4.80	0.30	1.44		
	1	2.87	0.30	0.86		
	1	1.45	0.30	0.44		
Total				2.74 sqm	4500.00 /sqm	12342.00
33 Providing and fixing Medium Height storage of size 900 mm (l) x 400mm (w) x 1200 mm (h) shall be formed out of 16 mm thick BWR Plywood with 1mm laminate and all exposed edges lipped with PVC edge banding. Inside portion of the storage shall be covered with 0.8mm laminate. Rates						
	2	0.90	1.20	2.16 sqm	17199.00 /sqm	37363.84



34	Providing and fixing Low Height Storage of size 900 mm (l) x 400mm (w) x 600 mm (h) shall be formed out of 16 mm thick BWR Plywood with 1mm laminate and all exposed edges lipped with PVC edge banding. Inside portion of the storage shall be covered with 0.8mm laminate. Rates include all materials and labour charges etc.	1	3.00	0.60	1.80 sqm	17300.00 /sqm	31140.00
35	Supplying High back Executive chair with hydraulic lifting mechanism and tilt lock, shodded on star legs with castors.	1			1.00 each	18500.00 /each	18500.00
36	Supplying Medium back net chair with hydraulic lifting mechanism and tilt lock, shodded on star legs with castors. (Accountant, HC)	2			2.00 each	8870.00 /each	17740.00
37	Supplying Medium back chair with hydraulic lifting mechanism and tilt lock and shodded on metal star legs with castors. (TA, Clerk, DFO,)	12			12.00 each	7300.00 /each	87600.00
38	Supplying Medium back chair with S type metal legs (for Visitors)	16			16.00 each	6890.00 /each	110240.00
39	Supply and fixing Acrylic signage and Brass Logo, including all materials and labour charges etc.	1			1 each	74000.00 /each	74000.00
40	Providing and fixing all window in position Roller Blinds, including all standard fittings and fabric. Rate quoted shall include all material, labour charges, cost of conveyance etc.	12	1.5	1.5	27.00 sqm	2400.00 /sqm	64800.00



41	Supplying and fixing 10 mm plain glass for table top with edge cutting, beveling, and polishing including all materials and labour charges etc.	1	2.4	0.9	2.16 each	2450.00 /each	5292.00
ELECTRICAL WORK							
42	Supply and fixing Led 600mmx600mm Panel Light including all materials and labour charges etc	20			20.00 each	4400.00 /each	88000.00
43	Supply and fixing Led Strip Light including all materials and labour charges etc	30			30.00 m	260.00 /m	7800.00
44	Supply and fixing Punch lamp including all materials and labour charges etc	6			6.00 each	780.00 /E	4680.00
45	Supply and fixing Drive including all materials and labour charges etc	4			4.00 each	980.00 /each	3920.00
46	Supplying and fixing 20mm flexible conduit for wiring including all materials and labour charges etc.	1			1.00 Roll	900.00 /Roll	900.00
47	Supplying and fixing 1.5 TR 3 Star Split AC with cordless remote Full Copper Model including all installation charges etc	2			2.00 each	45500.00 /each	91000.00
48	Supply and fixing 4 kv stabilizer including all including all installation charges etc.	2			2.00 each	2550.00 /each	5100.00
49	Supply and fixing outdoor stand including all materials and labour charges etc	2			2.00 each	2500.00 /each	5000.00
50	Supply and fixing copper Pipe installation for split A/c including all materials and labour charges etc complete	30			30.00 nets	1200.00 /metre	36000.00
51	Supplying and fixing Network Cable Cat6 including all materials and labour charges etc.	340			340 m	87.00 /each	29580.00



	Engaging labour for fixing Network Crimping + Rack Dressing + Commissioning including all materials and labour charges etc.	12				12 each	1,200.00 /each	14400.00
53	Supplying and laying Telephone Cable including all materials and labour charges etc	60				60 each	50.00 /each	3000.00
54	Supplying Telephone Instrument including all charges	4				4 each	2,800.00 /each	11200.00
	TOTAL 1							2746251.87
	GST 12% OF TOTAL 1							329590.22
	INSTITUTION FEE 8%							219700.15
	GST 18% of INSTITUTION FEE							39546.03
	GRAND TOTAL							3335048.27
	SAY							3335048.00
Rupees Thirty Three Lakhs Thirty Five Thousand and Forty Eight Only								


BYJU S.
 Regional Engineer
 Kerala State Nirmala Societies
 Thiruvananthapuram



II – 9 – Astronomy Lab

The idea of having an Astronomy lab is to make practical observations about astronomy for the students. Here the pupil can learn about planets, stars, and more astronomical objects and can also observe the sky for learning about the location of stars and other constellations. A seven-stored building is what we assume as an astronomy lab, where each floor is dedicated to each planet with its details, facts, and other available information. We are also planning to exhibit conventional and traditional astronomical objects that were used by the old Astronomers. We also plan to place a Telescope for star gazing and deeper observation.

II – 9.1 – Estimate

Si,No	Item	Qty	Rate	Total
1	Building	300,0000	57,00,000
2	Astronomical supplies	15,00,000	15,00,000
3	Telescope	2	5,00,000	10,00,000
4	Electrical work	15,00000	15,00000
5	Sound System	3,00,000	3,00,000

Total	100,00,000
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(Rupees One Crore only)

II – 10 (A) Language Lab

A language laboratory is a dedicated space for learning languages where student's access audio or audio visual material. They allow a teacher listen to and manage student's audio, which is delivered to individual students through headsets or in isolates sound booths.

The main objectives of the language Laboratories are to equip the students with good communication skills. Student's side of the language lab software provides the students a media player for listening to audio materials and recording tools for recording their speech and pronunciation.

II – 10 (A).1 – Facilities required for language Lab

Sl. No	Name of Equipment	QTY(No.)	Unit Prize	Total amount
1	Desktops (Intel, core i3 processor, 4 GB RAM, 1T B HDD Keyboard, Mouse, and windows OS	25	45,000	1,125,000

2	Wi-Fi , DLP technologyAccess points (Dual brand Concurrent (2.4 GHz/5GHz), adaptive antennastandard 802.3 af power over Ethernet DHCP Services	25	20,000	500,000
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3	Ultra short throw LED projector (30000nlumens 0,377:1 throw ratio DLP technology	25	1,50,000	1,050,000
4	Interactive Board	1	1,50,000	1,50,000
5	Language Lab equipment and software	25	20,000	50,0000
6	Computer Accessories printers and Scanners	2	20,000	40,000
7	UPS-5 KVA (ISO certified brand,PF:0,9, single phase SMF batteries with 4 hrs full load backup, IGBT tecnologies	2	1,50,000	300,000
8	Audio/speaker system	1	2,00,000	2,00,000
9	LAN cabling UTP cabling and electrical wiring from UPS and ELCB	LS	100,000	100,000
10	CCTV and cabling One 48 inch TV	1	30,000	30,000

11	Computer Desk	25	5000	1,25,000
Total				3,620,000

(Rupees Thirty six Lakhs Twenty Thousand only)

II – 10 (B) Computer Lab

A computer lab is a space that provides computer services to a defined community. Computer labs are typically provided by libraries to the public, by academic institutions to students who attend the institution, or by other institutions to the public or to people affiliated with that Institution.

II – 10 (B).1 Computer and Sanskrit

According to research, NASA claims that Sanskrit the ancient language is the most suitable language to develop Computer programing for their artificial intelligence program. Sanskrit has always been an important language in intellectual communities.

II – 10 (B).2 – Facilities required for Computer Lab

Sl. No	Name of Equipment	QTY(No.)	Unit Prize	Total amount
1	Desktops (Intel, core i3 processor, 4 GB RAM, 1T B HDD Keyboard, Mouse, and windows OS	25	45,000	1,125,000

	Wi-Fi , DLP technology Access points (Dual brand			
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2	Concurrent (2.4 GHz/5GHz), adaptive antennastandard 802.3 af power over Ethernet DHCP Services	10	20,000	200,000
3	Ultra shot throw LED projector (30000nlumens 0,377:1 throw ratio DLP technology	1	1,50,000	1,50.000
4	Interactive Board	1	1,50,000	1,50,000
5	software	2	20,000	40,000
6	Computer Accessories Printers and Scanners	2	20,000	40,000

7	UPS-5 KVA (ISO certified brand,PF:0,9, single phase SMF batteries with 4 hrs full load backup, IGBT technologies	2	1,50,000	300,000
8	Audio/speaker system	1	20,00,000	20,00,000
9	LAN cabling UTP cabling and electrical wiring from UPS and ELCB	LS	100,000	100,000
10	CCTV and cabling One 48 inch TV	1	30,000	30,000
11	Computer Desk	25	5000	125,000
12	Jefferson Chairs	25	15,000	15,000
13	Steel Book Shelf	3	12,000	12,000
14	Wooden podium	1	20,000	20,000

15	Bookrack	2	8,000	16,000
16	Electrical works tube lights and other electrical fittings switchboards for Computers	LS	150,000	150,000
Total				2,673,000

(Rupees Twenty Six Lakhs Seventy Three Thousand only) II – 11 – Play Ground

II – 11.1 – Proposal for Outdoor Stadium

The college is lacking a lot of Sports facilities. The condition of the existing ground has been declined and is not in usable condition .Hence the existing ground should be constructed with boundary and filled with soil and rolled.

II – 11.2 – The stadium should have the following

1. Raised Border.
2. Sevens Football post.
3. Outdoor Volleyball post.
4. Fencing
5. Drinking-Water Facilities

II – 11.3 – Estimate

Sl. No.	Items	Standard Cost
1	Raised Boarder	3 Lakhs
2	Cost of Red Soil	5 Lakhs
3	Fencing	3 Lakhs
4	Rolling and Labour	2 Lakhs
5	Drinking water facilities	1 Lakh
Total		14 Lakhs

(Rupees Fourteen Lakhs only) II – 12

– Furniture

After the completion of Sankara Block, a number of 144 benches and desks are required to seat students.

II – 12.1 – Estimate

Sl.No	Name	QTY	Rate	Total
1	TWNEW 1-TW BENCH-180*30*45 CM	144	6,967	1,003,248

2	TWNEW2-TW DESK 180*42.5*75 CM	144	8,771	1,263,024
3	Delivery Charge		5,665	5,665
			Total	2,271,937

(Rupees twenty two lakh seventy one thousand nine hundred and thirty seven only)





ARTCO LTD
 Artisans Development Co-operative Ltd, 4429, Kerala
 H O, Kochuvemil Towers, Model School In.,
 Thampanoor, Thiruvananthapuram-01, Ph: 0471 2326219, 2324480,
 GSTIN: 32A AAAA 2864 P1 ZW

**THE PRINCIPAL,
 GOVT SANSKRIT COLLEGE
 THIRUVANANTHAPURAM**

PROFORMA INVOICE

Date	04-01-2022
No	18009674

Sl No	Name of the Product / Service	HSN ACTN	Quantity	Rate	Amount	GST				Total
						Rate	CGST	SGST	Cess	
1	TWDRK - TWDRKCH - 18P41CM		11.000	8907.00	8907.00	28.38	1174.38	1174.38	0.00	10711.13
2	TWDRK - TWDRKCH - 18P41CM		11.000	8771.00	8771.00	28.38	1471.28	1471.28	0.00	10472.36
	DELIVERY CHARGE			344.00	344.00	11.32	38.45	38.45	0.00	392.80
Amount in Words Rupees Two Lakh Forty Eight Thousand Four Hundred Twenty Only						Total Amount Before Tax		194521.00		
Terms and Conditions						Add CGST		26948.89		
						Add SGST		26948.89		
						Add Cess Amount		0.00		
						Tax Amount - GST		53897.78		
						Discount Amount		0.00		
						Round Off		-0.38		
Bank Details - SHI THAMPANOOR						Total Amount After Tax		248420.00		
Bank Account No : 37438258260		 (Company Seal)		Certified that the particulars given below are true  Authorized Signatory						
Bank Branch / IFSC : SBIN0008471										
Place of Supply GOVT SANSKRIT COLLEGE THIRUVANANTHAPURAM										

We have a Synthetic Tennis Court functioning with full time coaching for the college students and students from nearby schools. The court and the lighting system damaged due to the fall of a big tree stood by the side of the court. Necessary rectification should be done so that the court is used for proper training and competition.

II – 13.1– Estimate

Sl. No.	Items	Standard Cost
1	Relaying of synthetic surface	10 Lakhs
2	Repairing of Flood Light and post	1 Lakhs
3	Fencing	2 Lakhs
4	Construction of retaining wall	5 Lakhs
Total		18Lakhs

(Rupees Eighteen Lakhs only)

II 14 – Staff Quarters

In the past, the College had a Land area of six acres, but later due to urbanization and extension of roads, the area has been reduced to three acres. The teachers teaching in this institution is coming from different parts of the state and hence their accommodation is still a problem to be solved. Therefore we humbly request you acquire land within the five km of the college premises to construct Staff quarters for the teachers.

II – 14.1 – Estimate

Sl.No	Item	Rate
1	Land aquire (50 cent)	100000000
2	Building Coast	50000000
	Total	150000000

(Rupees Fifteen crores)

II 15 – ORICE Studio

Online Resources Initiatives of Collegiate Education (ORICE) is a progressive initiative of Directorate of Collegiate Education (Previously EDUSAT) to develop and disseminate higher education thoughts of eminent academicians and experts within India and abroad. The programme is part of the ongoing efforts for developing quality educational content for e learning.

By using the plan fund by DCE according to the instruction the ORICE studio has been built in the College. But without the equipment's listed below the smooth functioning of studio is still far away.

II 15.1 – Estimate

Sl. No	Description	Quantity	Rate	Tax	Amount with Tax
1	Audio Input Devices High quality UHF band frequency Handheld wireless microphones with receiver	02	8000/-	18%	18,880/-
2	Audio output Devdices 15W Speakers, Wall mountable	04	5000/-	18%	23,600/-
3	4 channel Amplifier inputs80W	01	13,000/-	18%	15,340/-
4	4 channel mixer with DSP for connecting Audio input & Out with Aux. Should connected to PC/Laptop	01	20,000/-	18%	23,600/-

5	Display-65"-Full High Definition LED TV all connecting cables, mounting brackets and all accessories for proper mounting.	01	95,000/-	18%	1,21,600/-
6	Digital Podium with one Gooseneck Mic:21"inch display, 1 Goose neck mic, Laptop Interface.	01	1,98,000/-	18%	2,33,640/-
7	External Hard Disk 2 TB	01	7000/-	18%	8,260/-
8	HDMI Splitter 1:4	01	5000/-	18%	5,900/-
9	Additional Copper cabling for A/C	20	1500/0	18%	35,400/-

10	Rack-15U with PDU	01	7000/-	18%	8,260/-
11	UPS-3KVA with 3 hour back up. Closed battery Rack with perforation	01	1,25,000/-	18%	1,60,000/-
12	8 port Switch and Cabling	01	8000/-	18%	9,440/-
13	Installation, testing & commissioning	01	35,000/-	18%	41,300/-
14	Furniture: 1. Medium back chair with S type ms legs including all labour charges etc.	45	8,500/-		3,82,500/-
	2. Dais chair with Arm rest and Ms Powder coated frame fabric, foam including all materials and labour charges etc.	3	12,500/-		37,500/-
	3. Providing and fixing in place table of size 2400 mm x 600 mm x 700 mm made of a combination of BWR grade 6 mm, 12mm and 18 mm plywood of approved quality and make.	1	28,870/-		28,870/-

TOTAL	11,54,090/-
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(Eleven lakh fifty four and ninty only)

II – 16 – DM SMART EDUCATIONAL THEATRE

dm SMART EDUCATIONAL THEATRE

E - LEARNING | SEMINAR | ONLINE CLASS | CONFERENCE | 3D EDUCATION



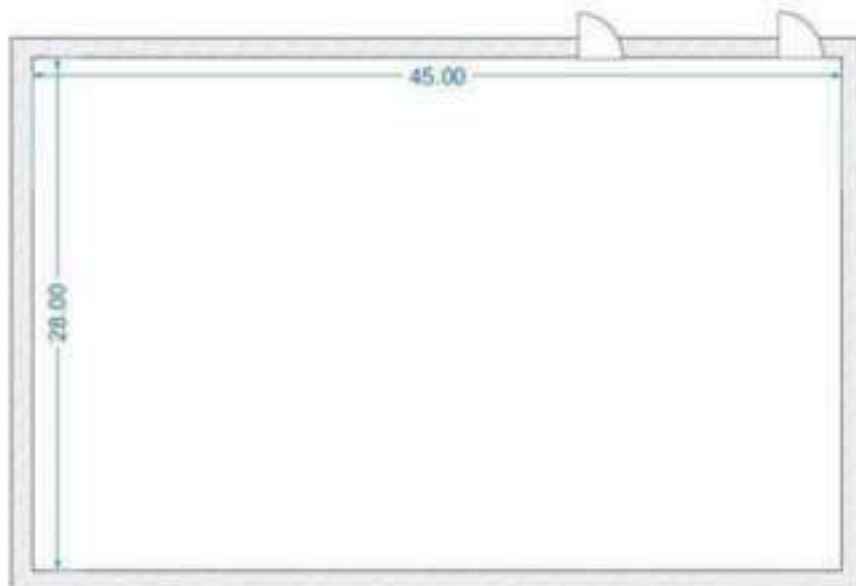
Education theatre is an advanced and well equipped hall to conduct seminars, meetings, daily classes, conferences and webinar using the world class technology equipment and convey the students very effectively in a very comfortable atmosphere.

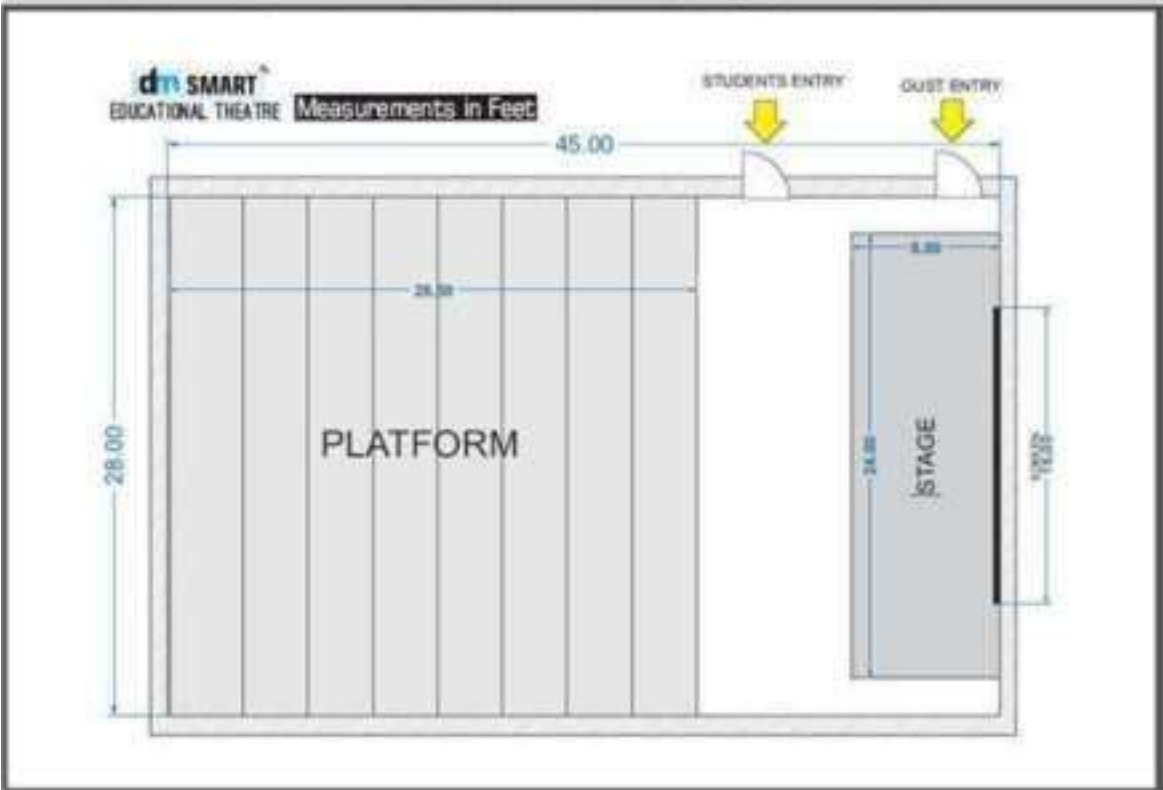
Detailed Report & Estimate
Of DM Smart Theatre

www.dmsmart.in

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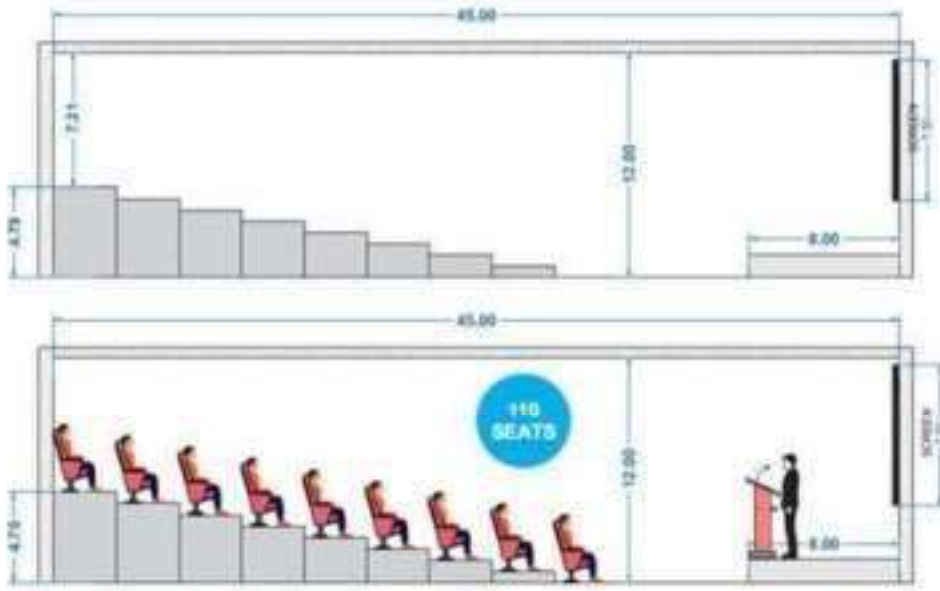
dm SMART
EDUCATIONAL THEATRE **Measurements in Feet**







dm SMART
EDUCATIONAL THEATRE **Measurements in Feet**



Detailed specifications and estimate of 51 Seats Educational theatre



THE MOST ADVANCED EDUCATIONAL THEATRE

Nos	ITEMS	Details	SQ. FEET/ Nos		Rate	Amount
1		n 3"x1.5" & 1.5"x1.5" Sq. Pipe Structure. 18mm plywood	402	SQ. Feet	₹ 260.00	₹ 1,04,520.00
2	Stage Platform	3"x1.5" & 1.5"x1.5" Sq. Pipe Structure. 18mm plywood	140	SQ. Feet	₹ 240.00	₹ 33,600.00
3	CHAIR	AUDITORIUM CHAIR WITH WRITING PAD. 1. Floor mounted steel Leg, Strong iron structure, Molded PU foam, . pad, Comfort seating and proper head rest position Wear resistance and fade proof fabric, Solid wooden and foldable writing	51	Nos	₹ 8,000.00	₹ 4,08,000.00
4	Acoustic paneling PVC wall	Content. 5.5 kg/Sqm. Fire resistant Heavy duty 11mm PVC Panel, Eco free projected type. 60% PVC	1060	SQ. Feet	₹ 180.00	₹ 1,90,800.00
5	Acoustic paneling PVC Roof	8 mm PVC Panel, Eco free projected type.	690	SQ. Feet	₹ 160.00	₹ 1,10,400.00
6	Carpet	Colour - RED CARPET Material Nylon wool, For indoor and outdoor use.	782	SQ. Feet	₹ 90.00	₹ 70,380.00
7	A/C	1.5 Ton Inverter Split AC	2	Nos	₹ 38,000.00	₹ 76,000.00

8	Full HD projector. short throw	GT1080HDR 4K Signal / HDR Compatible Shorter installation distance with short throw lens design Bright 1080p projector – 4,000 ANSI Lumens, High contrast outcome – 50,000:1, Easy connectivity – HDMI, VGA, 10W speaker	1	Nos	1,10,000.00 ₹	₹ 1,10,000.00
9	Digital Podium	1080)touch monitor. SCREEN SHARE - Easily share the video to Smart Digital Podium for Classroom, and Auditorium. INTERACTIVE SMART DIGITAL PODIUM PODIUM FULL HD MONITOR- 21.5 Inch Full HD display (1920 x TOUCH - 10-point Multi touch with hi- sensitive projector body. Windows 10 OS with writing pen. Intel Core i5 9400 F Desktop Processor. 4GB RAM and 120GB SSD	1	Nos	1,26,000.00 ₹	₹ 1,26,000.00
10	Sound System	Sound Mixer + 2 Active Speaker + Cabling - providing fat, natural sounding bass and smooth, Yamaha 10-Input Compact Stereo Mixer Darlington circuit soaring highs. 200-Watt 2-Way Powered Loudspeaker with Active Crossover Driving Bass, Pristine Highs - 12-inch (305 mm) LF driver, 2-inch (50.8 mm) Link Output and Volume control voice coil. Connectivity Covered - Balanced XLR Mic/Line input,	1	Nos	1,10,000.00 ₹	₹ 1,10,000.00
11	4 Chanel Wireless microphone	Professional Wireless microphone system-Two handheld microphone, one podium microphone and one clip microphone UHF band makes fewer interference compared with the conventional VHF band and technology automatically locks and adjusts the frequency. more reliable transmission. The advanced frequency pairing	1	Nos	₹ 18,000.00	₹ 18,000.00
12	Projector Screen	Size: 12 x 5.5 Feet - 16:9 Aspect Ratio. Fixed Frame Projector Screen, Diagonal 16:9, Active 3D 4K Ultra HD Projector Screen for Multi plex Theater. HIGH GAIN PROJECTION SCREEN & EASY CLEANING	1	Nos	₹ 24,000.00	₹ 24,000.00

13	Video conferencing Unit	optical zoom. 9 remote positions. HDMI out. Confrence microphone Video Conferencing System .Camra 1080P full HD PTZ camera, 12x	1	Nos	1,45,000.00	₹ 1,45,000.00
14	Streaming and One touch system with recording Recording Camera	1080P full HD PTZ camera, 12x optical zoom. 9 remote positions. HDMI out. One touch recording system with 2 TB External HDD 21.5 inch Full HD Recording preview monitor, Instant live other streaming platforms Streamer For Online class to Zoom, google meet, youtube, and all	1	Nos	1,98,000.00	₹ 1,98,000.00
15	Electrical Work	Remote controlled LED Lights, Fans and Electrical work				₹ 1,20,000.00
16		10 Meter HDMI Cable				₹ 1,500.00
17		Projector Roof Mount				₹ 1,300.00
18		Installation and commissioning				₹ 40,000.00
					Total	₹ 18,87,500.00
					18% GST	₹ 3,39,750.00
					Total Cost of the Theatre	₹ 22,27,250.00

(Rupees Twenty Two Lakhs Twenty Seven Thousand Two Hundred and Fifty only)

II – 17 – Rain water harvesting system and Drainage system

Development for the students and teachers ample resources should be developed and also to provide ample convenience to the students and teachers there should be infrastructural developments. According to the needs several building complexes were also developed in our institutions from time to time.

In the buildings constructed much earlier there were no facilities to drain the rain water. This cause the compound to be water logged. So if we do something to harvest the rain water and use it, it would be beneficial to the college itself. At the same time the compound will be devoid of water logs. Drainage of waste water also is highly needed in the compound. If only ample drainage is arranged with in the campus, the campus and the play grounds etc. will be protected for several years. Otherwise the water logged compound may cause the speedy decay of the buildings and the play grounds also. That will do much harm. That will make much money invested futile. So we have to find a solution or a remedy to all these problems. We have to arrange for the proper harvesting and use of

rain water and also find the ways to drain out waste water. We are planning for setting up all these. These works are expected to cost some 48 lakhs rupees. So we request you to kindly allot us that much money and help us to protect the campus for future generation also.

(Rupees Fourty Eight Lakhs only)

Total Estimate at a glance

Sl.No	Item	Amount
1	Girls Hostel	47,400,000
2	Open Stage	3,500,000
3	Indoor Stadium	110,000,000
4	Up gradation of Knowledge Hub	1,393,100
5	Central Library Building	10,000,000
5	Solar panel	650,000
6	Smart Class	3,642,000
7	Econtent development studio	1,170,000
8	Principals room and office	3,335,048
9	Astronomy lab	10,000,000

13	Maintenance of Tennis Court	1,800,000
14	Staff Quarters	150,000,000
15	ORICE Studio work	1,154,090
16	Education Theatre	2,227,250
17	Rain water Harvesting and drainage system	4,800,000
	Total	361,036,425/-
10	Language lab and computer lab	6,293,000
11	Playground (Outdoor stadium)	1,400,000
12	Furniture	2,271,937

(Rupees Thirty six crore ten lakhs thirty six thousand four hundred and twenty five only)

Chapter – III CONCLUSION

The Government Sanskrit College, Thiruvananthapuram is the first College to achieve an A+ rating from NAAC in Kerala.

This institution has always been and will continue to be a source of

strength and shade for people who aspire to learn Sanskrit. Owing to its location at the southernmost point, all of the classic shastras are taught here with the finest care and precision. Students from all around Kerala, as well as from other states, flock to our institution to study this auspicious language. The first chapter identifies the strengths and short comings, as well as opportunities and thrusts. We've carefully compiled a list of ways to transform our flaws into strengths and seize chances. By accepting our proposal, you will be assisting us in realizing these goals and making the collage one of the greatest institution in the country.
