

State Balanced Growth Fund (SBGF) - Preparation of Project to
address Backwardness

Proposal for “Skills Development and Incubation Centre” at Government
College of Engineering Bargur in Krishnagiri District

Submitted to

GOVERNMENT OF TAMIL NADU

Submitted by



**GOVERNMENT COLLEGE OF ENGINEERING -
BARGUR
KRISHNAGIRI- 635 104, TAMILNADU**

APPRAISAL of the SBGF PROJECT

(The duly filled in Appraisal Format should also be sent through email apart from a hard copy)

1. Name of the Project with Project cost

Title for the Project: **Skills Development and Incubation Centre at GCEB**

Total Project Cost: **217 Lakhs**

2. Project Location

District : **Krishnagiri**

Block : **Bargur**

Panchayats covered : **Madepalli,**

3. Name and address of the Implementing Agency

Government College of Engineering, Bargur

Madepalli Village, Bargur , Krishnagiri District – 635 104

4. Indicate the Parameters in which the Block is backward and the project aims to address (tick the relevant parameters)

Parameter	Income & Poverty	Employment	Health	Education	Gender
Block is backward in		✓		✓	
Project aims to address		✓		✓	

5. Objectives of the Project

(Mention about the intentions of the project)

Objectives

The final four years of school are a pivotal period in a student's education, where their marks decide their higher education and their decisions create their career paths. Students in rural areas do not have access to many educated well-wishers for conceptual doubts or general advice. The theme of this project is to virtually provide the availability of expert scholars to secondary and higher secondary school students in rural areas. This will allow them to perform better in their important board exams while also providing them with valuable information regarding enrollment in higher education. Also, Technical skills and computer literacy for children and youth in this block. Also, to improve the economy of local community and thereby. Providing services and facilitating the community in this block to access education and Technical skills. Also, ensuring maximum of the above to reach to the aspirants of the economically and socially backward sections with a special focus on empowerment of women by direct and virtually hosting.

1. Contributing towards providing avenue for children, youth and adults in computer literacy and Education and towards this end

1. providing a conducive and creative environment for children from less privileged backgrounds and design initiatives that can develop their physical, mental and intellectual growth and progress of children, thereby engaging in nation building
2. Promoting the importance and relevance of computer literacy and IT education among women and youth and providing avenues for education and training.
3. Remedial education classes for school children, especially on IT related subjects.
4. Providing Motivation to the orphaned, helpless, poor and deserving students without any discrimination of caste and creed, thus freeing them from shackles of child labour and discrimination.

2. Enabling and empowering the marginalized youth through market oriented skill training and undertaking the following steps in that direction

Designing and running skill development and incubation centers for youth offering training in modern trade oriented course

1. Office Automation
2. Welding Technology
3. Water recycling and Reuse
4. Cyber security
5. Soft Skills
6. Web Designing
7. Cell Phone Servicing
8. IT software solution for Business
9. Electrical Wiring

10. Plumbing and heating
11. IT Network Administration
12. Solar PV installations
13. Information Network cabling
14. CAD Training
15. 3D Printing
16. CNC Programing and Machining
17. EMI/EMC Testing
18. Sanitary Pad Making
19. CCTV Installation
20. Lathe and Milling operation Training

- Establishing linkages with various stakeholders such as Industries and NGOs in and around Krishnagiri District to grow and extend this initiative to maximum beneficiaries.
- The Government Engineering College will choose from candidates pursuing a degree in the college to mentor the school students. These candidates will be chosen based on their academic performance and they will go through strict background verifications, as they will have influential power on their fellow mentees. The mentors will be provided with a schedule of their teaching hours. The mentoring students will be issued internship certificates for the activities.
- Facilitating the setting up of startups through Incubation center in Government college of Engineering, Bargur.

3. Poverty alleviation & Empowering young women and adolescent girls by

- Promoting and setting up of Self- help groups thus encouraging saving habits, and financial independence among women.
- Providing avenues for literacy and education for women.
- Training women in market oriented trades that can generate self-employment and wage employment opportunities.

- Enabling to access benefits of the various schemes readily.
- Assisting the youth to access employability schemes.
- Assisting to participate in various schemes towards uplifting socially and economically backward sections of the society.
- Promoting and enabling opportunity for those who are differently abled.

6. Whether the problem was identified in the Perspective Plan (Yes/No)

- (i) If Yes, what is the present status of the problem? Yes
- (ii) Is there any specific action/solutions suggested to improve it (Yes/No) - Yes

7. Describe the problem and its relevant details

(Elaborate on (i) Nature of the problem (ii) No. of people/area affected (iii) How the problems Aggravate the quality of living (iv) Why the problem could not be resolved earlier?

(i) Nature of the problem:

- 1) People with very low employability skills among this Block
- 2) Lack of awareness for availing the Government Schemes
- 3) Lack of awareness to equip employment oriented Skill development
- 4) Transition rate from School Education to Higher Education is observed low in this Block were as Higher education is most important thing to qualify for a professional employment in business, industry, Government Service or became a entrepreneur

There is a need to respond to the growing demand of an adaptable workforce with professional skills. Hence steps should be taken to strengthen the education and training among the people in order to develop the village economically, socially, politically and culturally by utilizing the capabilities of its people

(ii) No. of people/ area affected

Table: TN District Level Report 2013-14

Table 13.30: Per 1000 distribution for persons aged 15 years & above by main activity & educational classification according to Usual Principal Status (ps) approach

Krishnagiri

Rural

Sl. No.	Education classification	Employed	Unemployed	not in labour force
1	2	3	4	5
1	Not literate	582	-	418
2	Below Primary	518	-	482
3	Primary	668	-	332
4	Middle	674	-	326
5	Secondary	565	4	431
6	Higher secondary	355	3	641
7	Diploma/ certificate	491	10	499
8	Graduate	746	35	219
9	Post graduate & above	319	-	681
Overall		574	3	423

Urban

Sl. No.	Education classification	Employed	Unemployed	not in labour force
1	2	3	4	5
1	Not literate	281	-	719
2	Below Primary	422	-	578
3	Primary	396	-	604
4	Middle	419	-	581
5	Secondary	392	-	608
6	Higher secondary	532	-	468
7	Diploma/ certificate	335	110	554
8	Graduate	614	30	356
9	Post graduate & above	247	753	-
Overall		433	17	550

The above Tamil Nadu Statistical report shows that around 50% of peoples in Krishnagiri district are not in labour force which is very less compare to other districts.

(iii) How the problems Aggravate the quality of living

- Lack of skills among people reduces the Work force, productivity and transfer of technology.
- Low skills perpetuate poverty and inequality because the private sector can't flourish in a country that doesn't have a skilled workforce to sustain it.

- The Current scenario is an applicant with more education is more likely to be employed and land a job that provides health-promoting benefits such as health insurance, paid leave, and retirement. Conversely, people with less education are more likely to work in high-risk occupations with few benefits.
- Income has a major effect on health and workers with more education and Skill tend to earn more money. Conversely, the job insecurity, low wages, and lack of assets associated with less education can make individuals and families more vulnerable during hard times, which can lead to poor nutrition, unstable housing, and unmet medical needs

(iv) Why the problem could not be resolved earlier?

- Lack of Financial support and lack of awareness among peoples in this block
- Sufficient no. of well-equipped Skill Development centers not available in the Block.
- The current infrastructure facility available in most of the educational institutions may inadequate considering the huge demand of labours,
- The training infrastructure of Trainers may not may not be sufficient
- The enrollment of the students for Skill based training has is an extremely challenging task
- The outlook of the people associated with the skill development is still very traditional.
- There are students who are not able to pay for the fee and may not be aware of the schemes run by the government which also leads to a low mobility towards such programs.
- The industry doesn't distinguish whether the person has acquired the skills through on the job training or has gone through a formal training. Many companies make their own skill centres through which they develop the people. Now the institution can be engaged to accelerate prospects of the youth in the region
- In rural region, it becomes more challenging because the people aren't aware of the better Education and Skill development.

8. Detailed Description about the solution suggested by elaborating on various project activities and how it would improve the backwardness

(Give particulars on (i) different type of activities proposed to be carried out, (ii) Who will execute each activity (iii) How will the entire activities be managed? (iv)How the recurring Cost will be met out during and beyond the project (v) How the income will be shared (vi) Who are all the beneficiaries? (Direct and Indirect))

(i) different type of activities proposed to be carried out for

Increasing Enrollment in Higher Education

- Increasing Enrollment in higher education by setting up awareness and counseling events.
- Arranging the Students nearby schools to visit the college to motivate them.
- Using alumni of the professional college as role models and establishing a referral system the College in slum areas/ villages
- Engaging key stakeholders and parents through cluster meetings and mediums
- Providing Cloud based training to inculcate interest for students at school level.

Skill Development and Incubation Initiative

- Creating conducive infrastructure with basic facilities to provide training by construction of an exclusive skill development center which houses the smart classrooms and Laboratories with state of art all in one
- Using the expertise of the Faculty of Government College of Engineering for in-house training.
- Creating a Cloud based learning environment where stake holders will be provided with audio video learning materials. People can use the login and Password to access the same.
- Providing training in latest technological developments in the area of Computer Science, Electronics, Electrical and Mechanical Engineering.
- Faculty will record and disseminate the videos to the target group.
- Students of Government College of Engineering, Bargur to be given Internship for

teaching and mentoring the target group.

- Identifying and using the services of Engaged and competent trainers
- Creating flexibility in time slots for attendees, such as conducting sessions in the afternoon or evening
- Integrating digital tools at appropriate stages of the training programme to enhance programme delivery
- Support professional development and training programmes for key educational and training personnel to facilitate their efforts to develop strategies within the framework of lifelong learning for poverty reduction and sustainable development
- Organizing job fair through the block or district development offices
- Request employer and community groups and other stakeholder groups to identify skills gaps in the labor market and unmet learning needs.

09. Expected Results

(This portion should quantify the expected results on implementation of the project)

With a favorable economic and social environment, skills development contribute to improve the performance of people and enterprises, which results in the increase of employment and development for society

People

- ❖ Effective utilization of Government Schemes
- ❖ People who participate in training can access better working and payment conditions, a higher employability and a better quality of life.
- ❖ Developing qualifications and competencies should guarantee their capacity to adapt to changes in technologies and the organization of work.
- ❖ Vocational training can foster confidence and self-esteem, contributing to the individual's engagement with their family and society.
- ❖ By the involvement of state of the-art institutions, it is also true that rural people will have an important source of competitive advantage.
- ❖ Promoting a culture of lifelong learning, fostering on-the-job training and facilitating knowledge sharing will enrich the human resources and create people with high productivity.

Society

- ❖ Society perceives the impact of the development of competencies as jobs of higher quality, higher employment and formality rates, reduction of poverty, social inclusion, respect for labor rights and competitiveness on global markets.
- ❖ Training should respond to the productive, technological, labour and socio-cultural context, as well as to the characteristics, conditions, needs and expectations of its target individuals. This is the double relevance of training, both social and economic.
- ❖ Additionally, the development of qualifications can also help build more equitable societies.
- ❖ There is a close relationship between the various forms of labour market exclusion – such as unemployment, underemployment and low wages – and poverty and discrimination.
- ❖ Therefore, training actions which contribute to solve such forms of exclusion will have a direct bearing on the fight against poverty and social exclusion.
- ❖ Social benefits include sensitive issues such as reducing violence and crime rates, and becoming more integrated to the family, the community or the society as a whole.
- ❖ An adequate training environment encourages team learning, as well as the development of knowledge and better attitudes, motivations and values, all of which lead to a better social integration.
- ❖ The recognition granted with a certificate of competence has a significant value in the labour market and in the educational environment, promoting social participation and the commitment to lifelong learning.

GCE , Bargur

- ❖ Infrastructure development
- ❖ Students get internship Opportunities
- ❖ Incubation center will be established
- ❖ Opportunity for students to undergo certification
- ❖ Faculty members' communication and Soft Skills will be refined.
- ❖ Increased Knowledge for Trainers.
- ❖ Gain of knowledge in using Digital Tools.
- ❖ Recognition and Self Satisfaction in the development of community, block, District, State and Nation Building

10. Nature of Project

1	Similar to existing scheme in the area but added with the new component as Gap filling	2	Similar to exiting scheme But not implemented in the Area (Replication)	3	There is no parallel Scheme available and it Is a New Scheme
					✓

11. If it is a Gap filling over an existing Scheme, what is the present allocation for the block in the existing Scheme? Rs. _____ : Not Applicable

12. If it is a Replication of an existing scheme, why the scheme is not implemented here?

<p>Not Applicable</p>

13. Who will execute the project activities on ground?

1.	Departmental Staff	2.	Special staff hired for the project by the department	3	By NGO/CBO other Institutions through MoU
	✓				✓

14. If it is through special staff hired by the department, how will the recurring cost be met out during and beyond the project period?

<p>Not Applicable</p>

15. Budget proposed for the Project:

S. No	Name of the activity	Description Of items	Cost Per unit	No. of Units	Estimate cost	Contribution from			
						SBGF Fund	Community Contribution	Other Schemes (Specify)	Total
Non recurring									
1	Building	Construction of an Exclusive Skill development Centre(Annex I)			150 lakhs	150 lakhs			150 lakhs
2	Machineries/Equipm ent	Integrated Digital Teaching Device (Annex-II)	4.5lakh	10	45 lakhs	45 lakhs			45 lakhs
		Sanitary Pad Making Machine	2 lakhs	1	2 lakhs	2 lakhs			2 lakhs
3	Purchase of goods & services	Electronic and electrical Appliances, AC units and UPS	10 lakhs	-	10 lakhs	10 lakhs			10 lakhs
4	Training & Exposure visits	25 trainings and 40 visits	0.25lakh	40	10 lakhs	10 lakhs			10 Lakhs
5	IEC activities								
6	Others								
Recurring*									
1	Purchase of raw materials#								
2	O&M Charges (a)Electricity Charges (b)Fuel Charges (c)Equipment Maintenance (d) Wages								
3	Rent								
4	Salary/Remuneration								
5	Travel cost								
6	Contingencies								
7	Others								
Total									217 Lakhs

*recurring cost is not normally met under SBGF. It should be borne by the beneficiary/ departmental funds

Please mention no. of cycles / months / years for which recurring cost is proposed

15. b. What will be the recurring cost to run the unit per month? How is the cost proposed to be met beyond the project support period?

N/A

16 Details about Fund Flow (For Income generation and livelihood projects only)

a. Anticipated Fund Flow Statement

S.No	Activity	Unit	Amount (in Rs.)
A. Income expected per month			
1.	N/A		
2.			
3.			
	Total		
B. Expenditure anticipated Income expected per month			
1.	N/A		
2.			
3.			
	Total		
		Profit(A-B)	

16. c. What will be the income per beneficiary per month?

Approximately Rs.30,000 per month

17. Implementation Agency

If there is more than one implementing agency, then the agency responsible for implementing each activity may be mentioned.

S.No	Name of the activities	Name of the implementing agency
1	1) Training on technical skills 2) Awareness programs 3) Exposure Visits	1) Government College of Engineering, Bargur. 2) Nearby Industries 3) NGOs

18. Implementation Plan and Time Frame

(It should indicate the sequence of all major activities and implementation milestones, including targeted beginning and ending dates for each step. Provide as much detail as possible. Implementation plan may be presented in graphical (table) form and can be attached as an annex.)

Activity No.	Activity Name	Minimum Training duration
1	Office Automation	20 hours
2	Welding Technology	40 hours
3	Water recycling and Reuse	20 hours
4	Cyber security	20 hours
5	Soft Skills	20 hours
6	Web Designing	20 hours
7	Cell Phone Servicing	20 hours
8	IT software solution for Business	20 hours
9	Electrical Wiring	20 hours
10	Plumbing and heating	20 hours
11	IT Network Administration	20 hours
12	Solar PV installations	20 hours
13	Information Network cabling	20 hours
14	CAD Training	40 hours
15	3D Printing	20 hours
16	CNC Programing and Machining	20 hours
17	EMI/EMC Testing	20 hours
18	Sanitary Pad Making	20 hours
19	CCTV Installation	20 hours
20	Lathe and Milling operation training	40 hours

Activity Schedule in the Year 2020

Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Activity 1 to 4												
Activity 5 to 7												
Activity 8 to 10												
Activity 11 to 13												
Activity 14 to 16												
Activity 17 to 20												

18. Monitorable outcomes of the project

S.No	No. of people benefited			Area benefited	Type of benefits accrued
	Direct	Indirect	Total		
1	900	3,600	4,500	Bargur	Economy and employability
2	100	300	400	Bargur	Start ups

19. a. Extent of coverage

(from among the target group/area)

People	100%	>50%	>25%	<10%
		✓		
Area	100%	>50%	>25%	<10%
		✓		

20. Indicators of achievements of the project

S. No	Backward Parameter	Relevant Development indicator	Present level (before start of the project)	Expected level (after completion of the project)
1	Education	Enrollment in Degree Courses	Below Moderately Satisfactory	Moderately satisfactory-1 Satisfactory- 2 year Good- 3 year
2	Employability	Persons not in Work force	423 out of 1000 (according to TN district level report)	Less than 100 out of 1000
3	Entrepreneurship	Start ups	NIL	100

21. Means of verification

1. Visual inspection	-	✓
2. Registers and records suggested in the similar projects/schemes implemented in project executing department.	-	✓
3. Audit Report-	✓	
4. Photo Documentation-	✓	

22. Convergence with other departments/schemes if any:**Not Applicable**

S.no	Name of the activity proposed to be converged	Name of the Department/with which convergence is proposed	Name of the Scheme with which convergence is proposed	Amount involved
	N/A	N/A	N/A	N/A

23. Project Sustainability (A sustainable project is one which runs even after completion of the project /without funding support)

1. Is the proposed project a sustainable one(Yes/No) – Yes
2. How do you justify the project will be a viable and sustainable one?

Financial sustainability:

It refers to ensuring a steady flow of funds and generating revenue for maintaining and continuing the organizations work.

Institutional Sustainability/Organizational:

It refers to ensuring proper working of institutions that were developed as part of the project.

Programmatic Sustainability:

It means to continue the organizations projects and programme in the absence of donor support.

- ❖ Looking at the perspective of donors and NGOs,
- ❖ Integrating sustainability principles in their ongoing projects can be an effective way to ensure long term impact.
- ❖ Collection of Small fees
- ❖ Managing through CSR activities
- ❖ Alumni Contribution.

The various processes and mechanisms identified for ensuring sustainability.

- **Long term vision:** With the use of data and facts, you can explain to the donor about long term goal and the processes, resources required to ensure success.
- **Integrate sustainability in projects:** It is always advisable to integrate sustainability aspects in project right from the beginning. This would help you to develop partnerships and relations with relevant stakeholders at an early stage of project development. This would also ensure that once the primary funding terminates you have a strong support to continue your project.

- **Communication and Outreach:**
Develop a strong communication strategy so that your project results can be shared with a large audience. Well documented project results can help you in getting support from a range of stakeholders and donors. A well thought communication strategy can avoid last minute rush of donor search.
- **Involve key stakeholders:** Another major step to ensure sustainability is the involvement and participation of key stakeholders in program development. As part of the project activities you can initiate multi-stakeholder dialogue workshops to involve relevant people in project.
- **Diversify funding sources:** The most important aspect of sustainability is to diversify your donor base and to develop long term partnerships with donors to support you in your endeavor. Do not just look at the traditional donor agencies but explore new opportunities as well.
- **Create inventory of resources:** Create an inventory of all physical resources that your organization can keep after a project ends. Some devices and equipments purchased during a project can be used in future eg. Training modules, camera, recorder, furniture for a college etc. can be used even after the grant expires.
- **Use donor database:** You can enlist a few donors from your donor database who are likely to fund the project. Keep in touch with such agencies so that they are aware about the project.

The project received from the proposing organization/implementation agency has been appraised as per the requirements of the SBGF scheme.

All the relevant details have been collected and furnished in appropriate columns.

It is the definite that the above proposed project would effectively address the backwardness of the block/area.

A. K. S. 11/11/19
Signature of the
Authorized Signatory of the
Resource Institution
PRINCIPAL
Government College of Engg.
BARGUR-635 104.

Signature of the
District planning officer

I recommend the above project for consideration under SBGF

Signature of the District collector

Name of the Project: Skills Development and Incubation Centre at Government College of Engineering Bargur.

Type: Non-Residual building with framed structure

ABSTRACT

Type :Non Residential Building with Framed structure

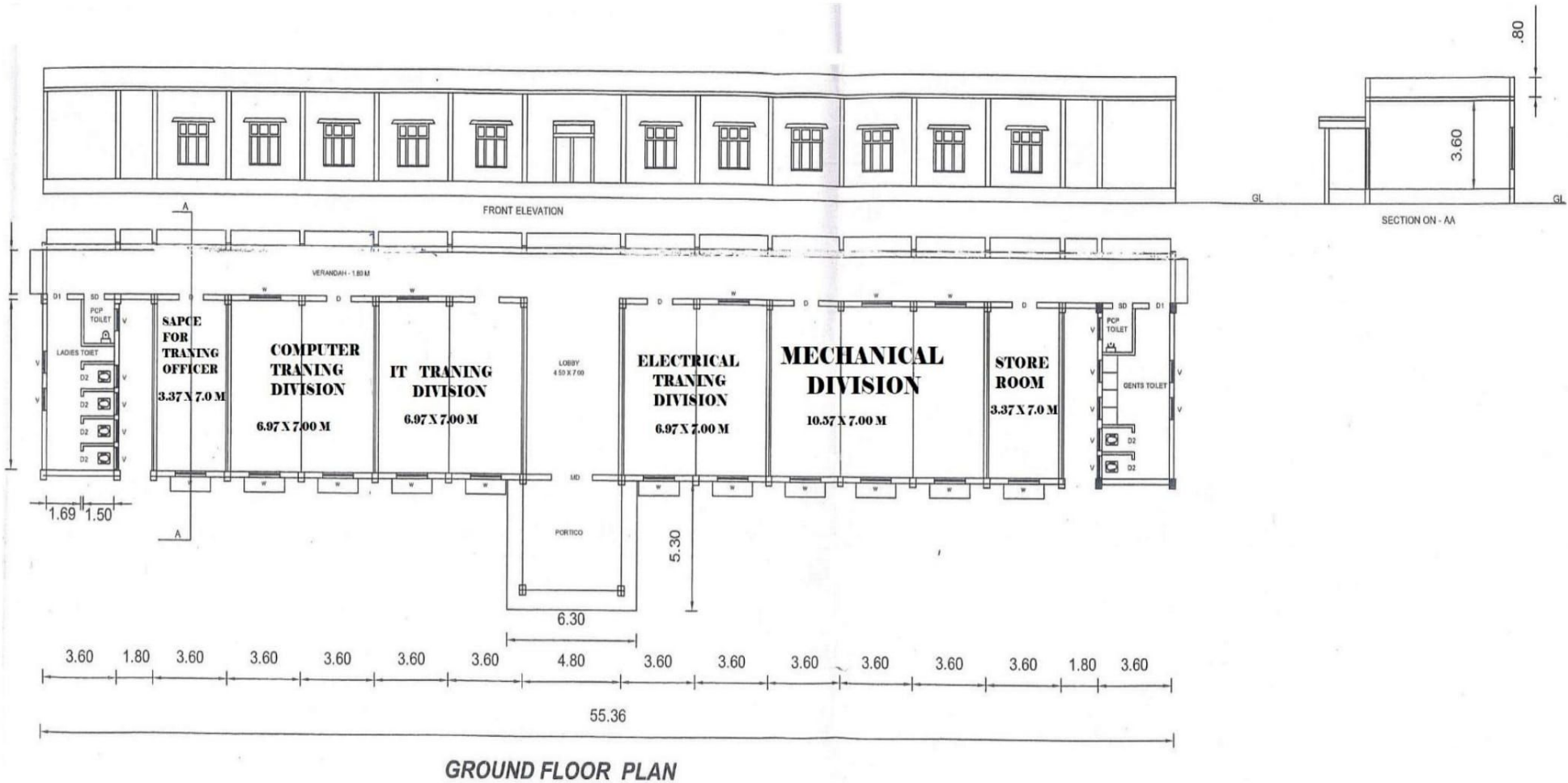
Sl No.	Qty	Unit	Description	Rate	Per	Amount
			<u>ANNEXURE - I</u>			
			Construction of Silver Jubilee Block in Government College of Engineering at Bargur in Krishnnagiri District.			
1	525.37	m2	Foundation and Basement	3760.00	m2	1975391
2	525.37	m2	Add for additional Height of Basement - 0.30m	370.00	m2	194387
3	525.37	m2	Anti - Termite treatment	95.00	m2	49910
4	525.37	m2	Super Structure in Ground floor	7425.00	m2	3900872
5	525.37	m2	Roof finishing	1215.00	m2	638325
6	525.37	m2	Dummy column	295.00	m2	154984
7	525.37	m2	Cement Paint - Internal and External faces	465.00	m2	244297
8	450.00	m2	Flooring: Marbonite tiles Class room and verandah	895.00	m2	402,750
9	171.08	m2	False ceiling with Perforated Gypsum Board	1150.00	m2	196,742
						7,757,658
			<u>ANNEXURE - II</u>			
10	525.37	m2	Internal Water Supply Arrangements	415.00	m2	218,029
11	525.37	m2	Internal Sanitary Arrangements	320.00	m2	168,118
12	525.37	m2	Internal Electrical Arrangements	700.00	m2	367,759
13	525.37	m2	External Water Supply Arrangements	325.00	m2	170,745
14	525.37	m2	External Sanitary Arrangements	120.00	m2	63,044
15	525.37	m2	External Electrical Arrangements	265.00	m2	139,223
						8,884,576
			<u>ANNEXURE - III</u>			
16	81.54	Rm	Pavement all round the Building	965.00	Rm	78,686
17	2.00	Nos	Provision for Rain water Harvesting	13020.00	each	26,040
						8,989,302

18	L.S	Provision for Finishing Front Elevation @ 1%	L.S	90,000
19	L.S	Provision for Notice Board	L.S	50,000
20	L.S	Provision for Fire Fighting arrangements	L.S	125,000
21	L.S	Provision for Bore well and Drinking water arrangements	L.S	340,000
22	LS	Provision for Advertisement charges	LS	50,000
23	LS	Provision for Foundation and Inagural stone laying	LS	13,000
24	LS	Provision for photographic and documentation charges	LS	15,000
25	LS	Provision for Unforeseen item , Petty supervision charges @ 2.5 %	LS	227,698
				9,900,000
26	L.S	Provision for Labour welfare fund @ 1.00 %	L.S	100,000
		For the year 2017 - 18		10,000,000
		Provision for escalation charges 10 %		1,000,000
27	L.S	For the year 2018 - 19	L.S	11,000,000
		Provision for escalation charges 10 %		1,100,000
28	L.S	For the year 2019 - 2020	L.S	12,100,000
		provision for escalation charges 20%	L.S	2,320,000
		For the year 2020-2021	L.S	14,420,000

Total amount aproximated to 150 lakhs

Annexure - I

Proposed “Skills Development and Incubation Centre” at Government College of Engineering Bargur, In Krishnagiri District



Annexure - II

Integrated Digital Teaching Device

The Integrated Digital Teaching Device is a portable, easy to use, plug and play device which converts any wall into an Interactive surface. It offers an unparalleled use experience be it within a classroom, a community awareness programme or as entertaining system for home. The Device is a powerful group learning easy to use device. The Device is comprises of High End Computing System, High Luminosity Projection system with Virtual Interactive Board feature to convert any projection surface as Interactive board. This solution is Internet ready and Embedded with High Quality Audio System, a DVD Drive and 6 USB ports etc.

Sample Specification and product picture:

All in one multi functional device , comprising of a High end projection system; the screen size goes up to 300” diagonally with core i3 7th gen computing platform , built in audio system , DVD player , 1TB of storage, 6 USB ports , HDMI, Wifi, Bluetooth and Screen interactive features (can convert any wall to virtual interactive screen) can be used through stylus .



Justification for Purchase:

For Use for In house training and also during field visits.