



GOVERNMENT OF KERALA
Abstract

Higher Education Department - Implementation of Projects through Kerala Infrastructure Investment Fund Board (KIIFB) - Guidelines for Preparation of DPRs - Orders Issued.

HIGHER EDUCATION (K) DEPARTMENT

G.O. (MS.) No.23/2017/H.Edn.

Dated Thiruvananthapuram 17.01.2017

Read: (i) G.O. (MS) No: 315/2016/Fin. Dated 08.08.2016

(ii) Minutes of the Meeting dated 20.09.2016 chaired by Chief Secretary

ORDER

During the Revised Budget Speech (2016-17), a 'Special Investment Package' was announced by Hon'ble Finance Minister for various State Government Departments. The details of the proposed allotment for Higher Education Department are mentioned in the following table and narrations there below:

Budget Speech 2016-17 (Special Investment Package)					
Sl. No.	Code	Budget Speech (Para)	Total Outlay (Rs. Cr.)	Estimated Requirement for Current Year (Rs. Crores)	Brief description of the Project
1.	HED001-00	94	500	50	Basic facilities in Arts & Science colleges and Engineering Colleges
2.	HED002-00	94	150		University, Maharajas, Victoria & Brennen Colleges - Digital Colleges and Centres of Excellence
3.	HED003-00	98	50	20	Infrastructure Facilities in Polytechnics

2. Out of the 60 Government Arts and Science Colleges, Premium basic facilities will be created in 52 colleges, and in 7 Government Engineering Colleges within the next two years. An amount of Rs. 500 Crores is allocated for this purpose from the 'Special Investment Package. Out of this amount of Rs. 500 Crores, it is decided to apportion Rs. 425 Crores for 48 Government Arts & Science Colleges @ Rs. 8.85 Crores/College.

3. The balance amount of Rs. 75 Crores is earmarked for 07 Government Engineering Colleges.

4. University College, Thiruvananthapuram, Maharajas College, Ernakulam, Victoria College, Palakkad, and Brennan College, Thalassery, will be transformed into Digital Colleges and Centres of Excellence. For this purpose, Rs. 150 Crores is sanctioned from the 'Special Investment Package'. Thus, an amount of Rs. 37.5 Crores will be made available for each of these 4 colleges for the purpose of transforming them into Digital Colleges as well as Centres of Excellence. An amount of Rs. 8.5 Crores out of the allocation of Rs. 37.5 Crores is earmarked for creating Premium basic facilities, and the balance Rs. 29 Crores of each college is earmarked for the purpose of Digitization and Centres of Excellence.

5. An amount of Rs. 50 Crores is earmarked from the 'Special Investment Package' for creating infrastructure facilities in Polytechnics. In the current year, an amount of Rs. 20 Crores is expected as expenditure.

6. Higher Education Department have examined these proposed projects and prescribed the following course of action, timelines and procedures for planning and implementing the above-mentioned project proposals:

(i) To entrust the IT-related works and procurement of Lab equipment to the SPV to be formed by converting the IT@School.

(ii) The Civil works are to be executed through M/s Roads and Bridges Development Corporation of Kerala Limited (RBDCK).

(iii) The SPVs will be headed by full time CEOs and will have nominees of Higher Education Department on the respective Boards. The SPVs will plan, appraise, approve, implement, manage, operate, monitor and evaluate the projects entrusted to them.

(iv) The components of the projects, which cannot be met from the KIIF Board financial resources, will have to be met from the annual budget allotted to the Department.

(v) The 'Project Concept Notes' for the projects indicated under the above-mentioned Project Codes are annexed (Annexures I to V), and the components mentioned therein shall be strictly adhered to.

- Annexure I** - Concept note for providing basic facilities in 52 Government Arts and Science Colleges.
- Annexure II** Concept note on basic facilities in 07 Government Engineering Colleges.
- Annexure III** Concept note on Digitization of 4 Government Heritage Colleges.
- Annexure IV** Concept note on Centres for Excellence for 4 Government Heritage Colleges.
- Annexure V** - Concept note on infrastructure facilities of 09 Polytechnic Colleges

7. Engaging consultant for undertaking the various activities leading to preparation of Detailed Project Reports (DPRs) has implications on cost and time. The total amount earmarked for 48 Arts & Science Colleges is Rs. 425 Crores, and consequently, if consultant is engaged, it would cost a minimum of Rs. 8.5 Crores at a conservative rate of 2 % of the Project amount as consultancy charges. Further, the formalities for identifying the consultant will consume time, and there is no guarantee that best consultant can be identified at the lowest cost. Consequently, it is decided to entrust these activities to the internal resources of the Higher Education Department and other government-controlled agencies, as explained below:

(i) The services of willing faculty of Civil, Architecture, Electrical and Computer Science/Electronics/IT disciplines, along with those of willing students of Government Engineering and Polytechnic Colleges under the Technical Education Department, in addition to the services of the resources of Engineering Colleges under LBS and IHRD, are to be utilized for preparing the DPRs, including the estimates, for all the 48 Arts & Sciences colleges. Further, the expertise of faculty retired from Government/Government-controlled agencies can also be utilized.

(ii) Out of these resources, Higher education Department will form district/region-wise technical teams, and 3 Arts & Science Colleges will be allotted to each such team for preparing the DPRs in consultation with the stakeholders of the colleges such as Principal, faculty, students etc., after assessing the requirements within the framework approved by the Government as mentioned in the enclosed Annexures. PRICE Software/PWD Schedule of Rates will be used for preparing the Estimates. The DPRs so prepared will be presented before a Committee to be constituted by the Higher Education Department for general vetting, and subsequently the same will be circulated to Hon'ble Minister for Education for approval.

(iii) Technical teams formed out of the serving faculty, as mentioned above, will be given honorarium, Travel, boarding & lodging expenses

(actuals), treating such working days as duty and granting appreciation certificates. Similarly, the students involved will be given honorarium, attendance for the days spared for the work, travel, boarding & lodging expenses (actuals) and appreciation certificates. Each student can be part of the technical team for the purpose of working for only one college and thus 6 different students will get an opportunity. The retired faculty will be given honorarium and travel, boarding and lodging expenses. Each team will also be given preparatory expenses for preparing the DPRs. Further, the colleges, from where the teams have been contributed, will be given a 'Special Incentive of Rs. 3 Lakhs for preparing each DPR, and the grant so sanctioned will be transferred to the 'College Development Fund'.

(iv) The task of preparing DPRs of three (3) colleges is entrusted to a 6-member team (4 faculty members + 2 students), and thus 16 teams will be constituted for all the 48 Colleges. These 16 teams will simultaneously complete all the processes leading to preparation of DPRs in about 45 days.

(v) Presuming that 30 days of work are necessary for each team of '4 faculty+2 students' for completing three (3) DPRs, (the honorarium payable to each member of the team is only for those days spared for the work, limiting to the sum fixed for the task. The calculation shown below is only for arriving at the total cost of each DPR.) the total expenses are worked out as follows:

(a) 30 Days x 4 faculty x Rs. 5000/- (Honorarium/Faculty/Day) = Rs.6,00,000/-

(b) 30 Days x 2 students x Rs.1500/-(Honorarium/Student/Day) = Rs.90,000/-

(c) Expenses for travel, including vehicle expenses for visits to the three colleges = Rs. 75,000/- (Where travel to distance places is involved, TA will be given as per entitlement)

(d) Expenses for preparing three (3) DPRs: (Rs. 75,000/- x 3) = Rs. 2,25,000/-

(e) Total cost (Apprx.)/ three (3) DPRs works out to Rs. 9.90 Lakhs. (a+b+c+d)

(f) Total cost (Apprx.) for preparing 48 DPRs: (16 x 9.90 lakhs) = 1.584 Crores

(vi) Additionally, an amount of Rs. 3 lakhs will be granted for preparing each DPR to the college contributing the technical team, thus leading to payment of an incentive of Rs. 1.44 Crores.

(vii) Thus, the total cost will work out to Rs. 3.024 Crores (say Rs. 3 Crores) for completing the entire DPRs for the 48 Colleges in a duration of 45 days.

(viii) In addition, if Sub-soil investigation/Survey is required, actual amount will be paid.

8. The same procedure and rates of payment will be adopted for the preparation of DPRs in the case of Engineering and Polytechnic Colleges also. However, the amount may vary based on the number of days required for preparation of DPRs for these institutions.

9. As regards the 4 Heritage Colleges i.e. University College, Maharajas College, Victoria College and Brennen College, an approximate amount of Rs. 37.5 Crores has been earmarked to each college out of the total allotment of 150 Crores. Out of this amount, an amount of Rs. 8.5 Crores is apportioned for Premier Basic facilities as per Annexure-I, with a provision to meet the expenditure for Civil and Architectural needs within this amount.

The remaining amount of Rs. 29 Crores is earmarked for the purpose of Digitization (Annexure-III) as well as for creating two (2) Centres of Excellence in each college (Annexure-IV).

However, considering the expertise required for addressing the Civil and Architectural needs of the heritage buildings of these colleges, reputed architects may have to be engaged. The architects will be paid a 'stipulated percentage of the estimated amount of Civil and Architectural works' as consultancy charges, as per the approved norms. The balance activities of the proposal such as Digitization and Centres of Excellence will be worked out subsequently by a Committee of Eminent Academicians, and guidelines will be issued in due course.

10. A Department-level Monitoring Committee chaired by the Hon'ble Minister for Education will be constituted for periodical review of the execution of the projects.

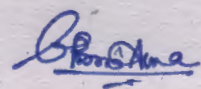
By Order of the Governor
B.SRINIVAS

PRINCIPAL SECRETARY TO GOVERNMENT

To

The Director of Collegiate Education
The Director of Technical Education
The Principal Accountant General (Audit)/(A & E) Kerala,
Thiruvananthapuram
All Principals of Government Arts & Science Colleges through DCE.
All Principals of Engineering Colleges and Polytechnics through DTE.
The Registrars of all Universities.
All sections of Higher Education Department
Finance Department
KIIF Board
Information and Public Relations Department (for uploading in
Government Website)

Forwarded/By order



Section Officer

Annexure-I

Concept Note for providing Basic Facilities in 52 (48+4) Government Arts & Science Colleges utilizing the KIIF Board fund under the 'Special Investment Plan' declared in the Budget Speech 2016-17

A 'Common Framework for Basic Facilities' has been finalised for the 52 Government Arts & Science Colleges (48 + 4) and the following guidelines are issued to work out detailed proposals:

2. Out of the following components, the first four (4) components are mandatory, and the subsequent components items may be planned in the given order utilizing the balance funds:

High Tech/Smart Class rooms

Modern Laboratories

State-of-art-libraries

Computer Lab with networking facility

Academic Space (Construction of Class rooms)

Common amenity Centre for girls including Toilet Blocks

Toilet Blocks for boys

Clean drinking water

Waste Management System with focus on Bio-gas generation

Hostels for girls

Alternate energy systems

Rain water harvesting structures

Hostel for boys

3. Approximately an amount of Rs. 8.85 Crores can be spent by each of the 48 colleges and Rs. 8.5 Crores by each of the 4 colleges for the above-mentioned basic facilities. The Principals shall study the existing facilities and finalise their requirements within the above-mentioned framework, with adequate justification, so as to enable the preparation of Detailed Project Report by the Technical team.

Annexure-II
Concept Note on Basic facilities in 07 government engineering colleges utilizing the KIIF Board fund of Rs. 75 Crores under the Special Investment Plan declared in the Budget Speech 2016-17

PROJECT CODE: HED001-00

1. Govt. Engg College, Wayanad - Girls' & Boys / PG Hostel

The institution is located in a remote area and accommodation facilities are scarce. For the smooth functioning of the institution, a new girls' & boys hostel/ PG hostel of area 2500sq.m (80 rooms) will be constructed.

Estimate value - Rs. 9 Crore

2. Govt. Engg College, Sreekrishnapuram - Girls' & Boys / PG Hostel

The institution is located in a remote area and accommodation facilities are scarce. To accommodate the applicants, a new girls' & boys hostel/ PG hostel of area 2500sq.m (80 rooms) will be constructed.

Estimate value - Rs. 9 Crore

3. College of Engg. Trivandrum - PG/ Research Hostel

There are around 800 PG students and 100 Research scholars. To accommodate the applicants, a new PG / Research hostel of area 2000sq.m (60 rooms) will be constructed.

Estimate Value - Rs. 7 Crore

4. Govt. Engg College, Calicut - Girls' Hostel

The institution is located in the heart of the city and suffers from space constraints. For the smooth functioning of the institution, a new girls' hostel of area 3000 sq.m (100 rooms) will be constructed on the land identified for staff quarters.

Estimate value - Rs. 10 Crore

5. Govt. Engg College, Thrissur - Boys' & Girls' / PG/ Research Hostel

To accommodate the PG/ research and graduate students of the 2nd largest campus in the state, a new hostel of area 3000 sq.m (100 rooms) will be constructed.

Estimate value - Rs. 10 Crore

6. Govt. Engg College, Idukki - Boys' & Girls' / PG Hostel

To accommodate the PG/ research and graduate students a new hostel of area 3000 sq.m (100 rooms) will be constructed.

Estimate value - Rs. 10 Crore

7. Govt. Engg College, Kannur

(i) New Computer Science Block

The institution suffers from space constraints and a new computer science block will be constructed.

Estimate value - Rs. 5 Crore

(ii) PG/ Research Hostel

To accommodate the PG/ research and graduate students a new hostel of area 1500 sq.m (50 rooms) will be constructed.

Estimate value - Rs. 5 Crore

8. Research Park

A Research park will be constructed on behalf of nine government engineering colleges in the College of Engineering, Trivandrum campus. The main objective of the research park is to promote partnership and the interaction between academic community and Industry.

Estimate value- Rs. 10 Crore

Grand Total - Rs. 75 crore

Annexure-III

Concept Note on Digitization of University College, Maharajas College, Victoria College and Brennen College

Some of the general components of digitization are indicated below for the guidance of the colleges to enable them to work out detailed proposals suitable for respective colleges: (This list is illustrative and the colleges are at liberty to propose more advanced components.)

2.

(i) Establishing Smart Classrooms as per requirement with LCD Projectors, audio systems and net connectivity for Undergraduate Classrooms, and Smart TVs for Post Graduate Classrooms.

(ii) Seminar halls of different seating capacity (40/80/150) to be equipped with international standard multi-media facilities, audio-video control facilities, video capturing and live-streaming facilities with telecasting mode and high bandwidth connectivity. These components will enable the college to play a lead role in the cluster in that region.

(iii) Advanced Computer lab with seating capacity of 30/100.

(iv) Library digitization with RFID cataloguing systems

(v) Digitization of Laboratories

(vi) Establishing research centres with 'Digital Reference library' and provision for digitizing and publishing the research programmes

(Optical fibre network is not recommended as it is being implemented as a part of the e-governance project)

Annexure-IV

Concept Note on Centres for Excellence for University College, Maharajas College, Victoria College and Brennen College

1. Out of the subjects/disciplines being offered in the College, the College Council shall identify 'interlinked disciplines' and club them into two distinct groups.
2. Each such group shall form a nucleus for a distinct 'Centre for Excellence (CoE)' on the relevant 'interlinked disciplines' for carrying out inter-disciplinary research, developing technology, innovations, evolving best practices etc.
3. Thus, each college shall develop two (2) Centres for Excellence (CoE) for two different sets of 'interlinked disciplines' and excel to national/international level in a given time frame.
4. By following the above-mentioned approach, a good number of identified faculty members shall be fully engaged to develop the above-explained two 'Centres of Excellence' in each college to produce high levels of outcomes.
5. The methodology to be followed is as follows:
 - The College Council should brainstorm and evolve norms as to which of the interlinked disciplines can be clubbed together to form distinct groups, and select the faculty members for associating themselves with each such group
 - Guidelines for 'competitive presentation and evaluation' will be evolved by a Multi-disciplinary Committee at State level. This Committee will hear each prospective group interested to pursue the concept of 'Centre of Excellence' with stress on (i) their achievements so far and (ii) road map for the future to pursue a Centre of Excellence. This Committee will also prepare working guidelines for the CoE.

6. Once the two distinct groups have been identified through the process mentioned at item-5 above, apportioning the resources shall be made based on the following directions:

- An amount of Rs. 8.5 Crores, out of the total amount of Rs. 37.5 Crores (Apprx.) earmarked to each college, shall be utilized for equipping the College with premier basic facilities
- The balance amount of Rs. 29 Crores shall be utilized for developing/strengthening of the common infrastructure for Library and Laboratory, 'Digitization' and for the 'Two Centres for Excellence' of each College

7) The amount of each CoE should be utilized as follows:

- For individual library resources (reference books, e-journals, e-books etc.)
- For specific laboratory equipment
- For capacity building of the faculty members to international standards through various academic activities
- For expenditure under various heads (Remuneration, Honorarium, Travel, Accommodation etc.) to attract world class Scientists/Professors/Nobel Laureates for associating them in various capacities for appropriate tenures with the Centre of Excellence in the campus

8) Both the Centres for Excellence should be given adequate academic freedom. Appropriate policies will be made to facilitate grant of longer tenures to the faculty working for these Centres of Excellence in the same college and for intake of talent from outside on contract basis for appropriate tenures.

9) Each Centre for Excellence should develop linkages with other nationally/internationally renowned Research Centres

and other Centres of Excellence, apart from the Universities in the State.

- 10) They should also involve other colleges in the region in various activities as well as mentor them to enhance their knowledge, quality of academic activities, research culture etc.

Annexure-V

Concept Note on Infrastructure facilities of 09 Polytechnic Colleges by utilizing the KIIF Board fund of Rs. 50 Crores under the Special Investment Plan declared in the Budget Speech 2016-17

PROJECT CODE: HED003-00

1. Govt. Polytechnic College, Vennikkulam -

The institution is the nodal polytechnic college for Pathanamthitta district and suffers from lack of space for smooth functioning of classes. Existing class rooms have no veranda or proper ventilation. Therefore, a new building (G+2) with an academic block of 18 rooms will be constructed.

Estimate value - Rs. 7 Crore

2. Central Polytechnic College, Trivandrum - NEW BUILDINGS

a. LABORATORY BLOCK

The campus is having only one main building, which was built 58 years ago and same is the case with laboratory building also. These were designed for 30 students' capacity whereas the current batch strength is 60. Moreover, in all the branches new labs were introduced in each revision of curricula. A Material testing Lab is also allotted for this institution. The AICTE has denied this year's approval for the lack of insufficient rooms for many activities. Consequently, in order to restore the affiliation, the need for new buildings is felt. Accordingly, a new 3-storied Laboratory block will be constructed for accommodating labs of different branches, each floor having a plinth area of 454 Square metres and a tower room of area 48 square meters. The total plinth area of the building is 1410 square metres. The estimated cost of the building is **3.5 Crores**.

b. EXTENSION OF LIBRARY BLOCK

The AICTE has also pointed out that sufficient space was not available in the library building. The reading room in the present building has capacity to accommodate only 20 students. This is insufficient as per AICTE norms. For getting the affiliation, the area of the library should be increased. Therefore, a 2-storied extension block having a total plinth area of 330 square meters will be constructed. The total cost of the building is **Rs. 85 Lakhs**

c. TOILET BLOCK

About 1100 students are studying in this institution. At present, the institution is facing acute shortage of toilets, and the AICTE EVC team had pointed out this deficiency. In the circumstances, two toilet blocks for boys and girls will be constructed. The area of each toilet block will be 50 square metres, and thus the total area for two toilet block is 100 square meters. The Total cost is **25 Lakhs.**

Estimate value - Rs. 4.6 Crores

3. Govt. Polytechnic College, Chelakkara -

The institution has been sanctioned two new branches (Civil & Mechanical) of diploma in addition to the existing three branches. Consequently, a new academic block in the form of a 2-storeyed RCC building with a plinth area 6500 sq. mts. will be constructed to accommodate the new branches.

Estimate value - Rs. 3.8 Crores

4. Govt. Polytechnic College, Meppadi -

The institution is located in a remote area i.e. about 6 kms away from the nearest town. Moreover, the area is underdeveloped and, hence, an auditorium of 830 sq. metres area will be constructed to conduct functions and gatherings.

Estimate value - Rs. 3.0 Crores

5. Govt. Polytechnic College, Perumbavur

The institution, having strength of 800 students, suffers from lack of space for the functioning of classes as well as to accommodate library. Therefore, a new 3 storey block comprising of library, reading room, office, principal's room, a common computing facility, computer lab for the computer engineering branch, a start-up facility and Placement Cell, with an approximate area of 2500 sq. metres, will be constructed.

Estimate value - Rs. 8.0 Crores

6. IPT & GPT, Shoranur -

As the institution needs a general workshop urgently, new building of GI sheeting roofing with an approximate area of 545 sq. metres will be constructed.

Estimate value - Rs. 0.85 Crores

7. Govt. Polytechnic College, Adoor -

The institution, with about 360 students, doesn't have sufficient space for smooth functioning of the Mechanical workshop. Therefore, a new workshop block with an approximate plinth area of 876.4 sq. metres will be constructed.

Estimate value - Rs. 1.65 Crores

8. Govt. Polytechnic College, Mananthavadi -

This is a newly sanctioned institution and at present working in the Compound of the Technical High School. Therefore, a 2 storied Admin-cum-Academic block will be constructed in the earmarked plot.

Estimate value - Rs. 12 Crores

9. Govt. Polytechnic College, Vandiperiyar -

As the institution doesn't have sufficient space for class rooms, a new 4-storied academic block with 12 class rooms and staff rooms will be constructed with a Plinth area of 1790 sq. metres.

Estimate value - Rs. 9.1 Crores

Grand total - Rs. 50 Crores