

UNIVERSITY GRANTS COMMISSION

AGENDA AND PROCEEDINGS

NO-167

14<sup>TH</sup> APRIL 1975

UNIVERSITY GRANTS COMMISSION

Minutes of the 167th meeting of the University Grants Commission held on 14th April 1975

The following were present :

Professor P.S. Sharma	Member (In the Chair)
Professor Rais Ahmed	Member
Professor M. Santanna	Member
Dr. Amarjit Singh	Member
Professor J.B. Chitambar	Member
Shri K.T. Chandv	Member
Professor B.M. Uddankar	Member
Shri P.K. Chhabra	Secretary

Owing to unavoidable circumstances, Professor Satish Chandra, Vice-Chairman did not attend the meeting. The members present chose Professor R.S. Sharma to preside at the meeting.

Shri K.N. Channa, Dr. Ajit Mazoomdar and Professor S. Gopal regretted their inability to attend the meeting.

Staff of the Commission

Dr. D. Shankar Narayan	Addl. Secretary
Dr. J.N. Kaul	Joint Secretary
Shri S. Swarnath	Deputy Secretary
Shri T.C. Menon	Deputy Secretary
Dr.S.C. Goel	Deputy Secretary
Shri S.P. Gupta	Deputy Secretary
Dr.M.L. Mehta	Deputy Secretary
Shri Y.D. Sharma	Deputy Secretary
Shri P.P. Bhattacharjee	Finance Officer

Item No. 1: To receive the minutes of the meeting of the Commission held on 10th March 1975.

The minutes of the 166th meeting of the University Grants Commission held on 10th March 1975 and the record of discussions held at the Commission's next meeting on 22nd March 1975 were confirmed.

With regard to Item No.28 of the minutes, the Commission desired to state that in the past extensions beyond the age of 58 years had been generally agreed in all cases.

It was agreed that this information will be placed before the Commission.

- Item No. 2: (a) To approve the action taken on certain matters.  
(b) To receive the items of information.  
(c) To receive the statement of proposals which could not be accepted by the Commission.

- (a) The Commission approved the action taken on items listed in Appendix I\*  
(b) This was noted.

The Commission desired that a Committee may be set up to suggest measures which would help the Universities to utilize fully and effectively the available rupee foreign exchange. The Commission desired that a note may also be prepared justifying the additional requirements of foreign exchange for the Universities from hard currency area.

- Item No. 3: To approve the statement of grants released after the last meeting of the Commission held on 10th March 1975

The Commission approved the grants released after the meeting of the Commission held on 10th March 1975. (Appendix II\*)

- Item No. 4: To receive a statement of expenditure incurred by the University Grants Commission during 1974-75 upto 28th February 1975.

This was noted.

In this connection, it was observed that due to non-availability of funds under non-plan for revision of scales of pay and enhancement of dearness allowance, a sum of Rs.103.01 lakhs was temporarily re-appropriated towards the end of 1974-75 from plan resources to non-plan resources. The Commission felt concerned about this and desired that the Government of India be requested not only to provide necessary funds in 1975-76 to replenish the amount so utilized from plan budget but also to ensure that such exigencies do not arise in future and the amount required consequent upon the increase in the dearness allowance or the revision of scales of pay is made available to the Commission in time.

It was further noted that the Budget of the University Grants Commission for 1975-76, keeping in view the likely funds to be provided, will be placed before the Commission in its meeting to be held in May 1975.

The Commission further desired that a Committee may be appointed to review the functioning of the Gandhi Bhawans.

Item No. 5: To receive a statement indicating the progress of issue of utilization certificates during the period ending 15th March 1975.

This was noted.

Item No. 6: To consider the proceedings of the meeting of the Science Research Council held on 7th February 1975.

This was noted.

The Commission emphasised the need and urgency of establishing appropriate links between the Universities, the National Laboratories and other Scientific Research Institutions. These links should initially in the form of (a) exchange of personnel, (b) joint support for research projects of mutual interest, and (c) provision of a certain number of fellowships to enable the University people to work in the C.S.I.R. and other Laboratories and vice-versa. The S.R.C. may be requested to make specific proposals to implement these suggestions.

The Commission again stressed the need of setting up of Regional Instrumentation Centres for providing adequate maintenance and service facilities and for encouraging design and fabrication of indigenous equipment. Setting up of such Centres could be undertaken wherever appropriate in coordination with the Department of Science and Technology which has also plans for setting up such service Centres.

As regards the recommendation made by the S.R.C. to provide a basic grant as a core-support for research to every teacher, the Commission felt it may neither be possible nor desirable to provide such support on a per capita basis. On the other hand, a grant could be placed at the disposal of each University for providing such support to individual teachers provided the concerned University would agree to share the expenditure on some agreed basis. The S.R.C. may be requested to suggest suitable guidelines for purpose of utilization of such a grant by the universities.

Item No. 7: To consider a reference from the Government of India, Ministry of Education & Social Welfare regarding payment of maintenance grants to "deemed" Universities by the University Grants Commission.

Consideration of this item was postponed to the next meeting.

Item No. 8: To consider the question of assistance to Universities for field work in different disciplines.

The Commission agreed to the continuation of assistance for field work to postgraduate students in geology, geo-physics and applied geology during the



current plan period provided the concerned Universities agree to treat this an committed expenditure at the end of the Fifth Plan.

As regards extension of similar assistance for field work in other subjects, the Commission's support for field work should depend on (a) whether field work is an integral part of a course prescribed by the university, (b) whether marks are earmarked for field work and (c) whether the universities themselves have made any provision for this.

The Commission desired that information in this regard may be obtained from the universities and considered by the respective Subject Panels.

Item No. 9: To consider the question of laying down certain norms in respect of bifurcated colleges for bringing them within the purview of Section 2 (f) of the UGC Act.

The Commission was not generally in favour of establishment of uni-faculty colleges. If, however, there is a proposal to split an existing college into more than one independent unit, the universities may be advised to consult the Commission before a final decision is taken to split a college into two or more units. Further, the Commission felt that the colleges resulting from such division including the parent institution will have to be treated as new colleges and would have to fulfil the conditions prescribed under Section 12-A in addition to the other conditions laid down in the regulations before they are considered for inclusion in the list under Section 2 (f) of the UGC Act.

Arising out of this, the Commission noted that some proposals have been received by the Commission under its scheme of Rs. 5 lakhs assistance to the affiliated colleges. It was emphasised that assistance of the Commission should be related not only to enrolment but also to the academic performance of the colleges. In this connection, the Commission desired that a suitable method of grading the colleges may be evolved keeping in view the grading system adopted in the case of UGCIP colleges and the matter brought up before the Commission.

Item No. 10: To consider the question of the fixation of rates of non-practising allowance to be paid to the teaching staff of the Medical Colleges of the Central Universities in the revised scales of pay.

Consideration of this item was postponed to the next meeting.

Item No. 11: To consider the views of the Calcutta and Jadavpur Universities regarding the Memorandum of Association prepared by the Department of Electronics for the Regional Computer Centre at Jadavpur University.

The Commission noted the views expressed by the Calcutta and Jadavpur Universities on the Memorandum of Association suggested by the Department of Electronics for setting up a Regional Computer Centre at Jadavpur University. The Commission felt that since the Regional Computer Centre was being established mainly as an inter-university facility, the University concerned and the UGC should have the major responsibility for administering the Centre. The three agencies concerned with financing of the Regional Centre, namely, the Electronics Commission, the UGC and the Government of West Bengal should be equally represented on the Executive Committee by two members to be nominated by each agency. It should also have a representative of the Calcutta University and two other representatives to provide one each for (a) other universities in the State of West Bengal and other universities in the region in accordance with the rules to be provided for the purpose and (b) other users of the computer. The Vice-Chancellor, Jadavpur University, where the Regional Centre is to be established should be the ex-officio Chairman of the Executive Council and the Director of the Computer Centre should be the Member-Secretary of the Executive Council. The decisions of the Executive Council of the Regional Computer Centre should be outside the purview of the usual statutory authorities of the Jadavpur University.

The Commission agreed that the above views may be communicated to the Electronics Commission with a request that the Memorandum of Association may be revised accordingly and sent to the Commission. It was also agreed that the Jadavpur University be informed that it would be in the interest of efficient functioning of the Regional Centre if a separate Registered Society is constituted to manage this Centre and that in the Executive Council to be provided under the Memorandum of Association, the Vice-Chancellor of the university is the Chairman of the Executive Council and the Director is the Member-Secretary.

It was also noted that the University would have to be suitably compensated for any services and facilities which it may provide for the functioning of the Regional Centre.

Item No. 12: To consider the proposal of the Banaras Hindu University for creation of post of Director for Bharat Kala Bhavan during the Vth Plan period.

This was withdrawn.

Item No. 13: To consider the proposal of the Birla Institute of Technology and Science, Pilani for the post of Development Officer during Fifth Plan.

The Commission desired that the proposal of the Birla Institute of Technology and Science, Pilani, for the post of a Development Officer may be considered by the Visiting Committee along with other proposals of the Institute.

Item No. 14: To note the date and place for the next meeting of the Commission.

It was noted that the next meeting of the Commission would be held in New Delhi on May 12, 1975.

Item No. 15: To consider the report on the working of the instrument cell created at the Indian Institute of Science at Bangalore for indigenous manufacture of Scientific instruments.

The Commission desired that the Visiting Committee which would assess the Fifth Plan requirements of the Indian Institute of Science, Bangalore, may also be requested to consider the possibility of making Instrument Cell as an integral part of the Central Instrumentation and Services Laboratory and its activities. Pending the report of the Visiting Committee, the Commission may continue to assist the Institute for the maintenance of this Cell on the existing basis and the expenditure involved would be a charge on the Fifth Plan allocation.

The other development proposals suggested by the Committee could be considered either as a part of the overall Fifth Plan proposals of the Institute or as specific research projects in consultation with the S.R.C.

Item No. 16: To consider the question of providing additional Basic Grants to the Departments of Special Assistance (Science) during the Vth Plan period for the purchase of Equipment, Books & Journals.

The Commission noted that the initial assistance for the Departments included in the programme of special assistance to Selected Departments had been given for the period of five years (1972-1977) in the first instance and this had been subsequently extended upto the end of the Fifth Plan period on condition

that the committed expenditure would be taken over by the Universities. It was also noted that some of the Departments had utilized fully the grants available to them for purchase of scientific equipment, books and journals and had requested for additional funds required during the rest of Fifth Plan period. The Commission was of the view that, instead of providing a basic grant for these purposes for all the Departments, each proposal may be examined on merit, keeping in view the progress of implementation of the academic programmes of the Departments.

Item No. 17: To consider the question of enhancement of the limit laid down by the Commission for payment of honorarium to the visiting teachers/experts for extension lectures in universities under the "Unassigned Grants"

The Commission agreed that clause (c) of the guidelines in respect of visit of teachers, experts, scientists from within the country under the scheme "Exchange of Teachers" covered under the "Unassigned Grant" may read as follows :

"The Visiting teachers/experts may be paid an honorarium upto Rs. 100 per lecture/seminar, the exact amount to be decided by the Vice-Chancellor. A maximum of Rs. 500/- would be available for an assignment of not less than two weeks' duration."

The Commission noted that the experts who may be invited for lectures/seminars could either be from the university system or from outside the system.

Item No. 18: To consider proposals received from the colleges which are not at present participating in COSIP for participation in college humanities and social science improvement programme (COHSIP)

Consideration of this item was postponed to the next meeting.

Item No. 19: To consider the question of proper functioning of private technical institutions in the country and their further development.

The Commission regretted its inability to accept the suggestion of the Committee appointed by the A.I.C.T.E. that the U.G.C. may undertake on its behalf a review of the existing four engineering colleges in Karnataka which are at present functioning on the basis of capitation fees.

Item No. 20: To consider the general question of financial assistance to universities for celebration of Golden Jubilee during the Fifth Plan period and the proposal of Andhra University for a grant for the Golden Jubilee in 1976.

The Commission agreed that the present level of assistance i.e. Rs. 10 lakhs may be provided to the universities in connection with their Golden Jubilee celebrations. The Commission, however, desired that the universities be advised that at least 2/3rd of such a grant may be used for augmenting research facilities in the university.

Item No. 21: To consider a proposal of the Punjab University for organising a Summer Institute in Analytical Chemistry during 1975.

The Commission accented the proposal of the Panjab University for organising a summer institute in analytical chemistry during 1975 and to provide assistance for the purpose according to the usual norms.

Item No. 22: To consider the proposal of the Kashmir University for grant of Rs. 1.89 lakhs for meeting the salaries and other recurring expenditure for the financial year 1974-75 in respect of Gulmarg Research Observatory.

Consideration of this item was postponed to the next meeting.

Item No. 23: To consider the recommendations made by the Panel on History about the development of museums and provision of audio-visual aids in the universities and development of studies in the History of Science.

Consideration of this item was postponed to the next meeting.

Item No. 24: To consider a proposal for instituting fellowships for foreign students for research work in Indian Universities.

The Commission agreed to the institution of ten junior and five senior research fellowships for foreign students among from developing countries for undertaking research work.

Item No. 25: To consider the question of assessment of the work of the Junior Research Fellows so as to become eligible to receive fellowships at Rs. 500/- p.m.

Consideration of this item was postponed to the next meeting.

Item No. 26: To consider the question of institution of posts of Readers in Colleges.

Consideration of this item was postponed to the next meeting.

R.K. Chhabra  
Secretary

R.S. Sharma  
Chairman of the Meeting.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 14th April, 1975  
Time : 10.00 A.M.  
Place: UGC Office, New Delhi.

A G E N D A

- Item No.1: To receive the minutes of the meeting of the Commission held on 10th March, 1975.
- Item No.2: (a) To approve the action taken on certain matters.  
(b) To receive the items of information.  
(c) To receive the statement of proposals which could not be accepted by the Commission.
- Item No.3: To approve the statement of grants released after the last meeting of the Commission held on 10th March, 1975.
- Item No.4: To receive a statement of expenditure incurred by the University Grants Commission during 1974-75 upto 28th February, 1975.
- Item No.5: To receive a statement indicating the progress of issue of Utilisation Certificates during the period ending 15th March, 1975. P.1-2
- Item No.6: To consider the proceedings of the meeting of the Science Research Council held on 7th February, 1975. P.3-12
- Item No.7: To consider a reference from the Government of India, Ministry of Education & Social Welfare regarding payment of maintenance grants to "deemed" Universities by the University Grants Commission. P.13-17
- Item No.8: To consider the question of assistance to Universities for field work in different disciplines. P.18-25
- Item No.9: To consider the question of laying down certain norms in respect of bifurcated colleges for bringing them within the purview of Section 2(f) of the UGC Act. P.26-31

P.T.O.

- Item No.10: To consider the question of the fixation of rates of non-practising allowance to be paid to the teaching staff of the Medical Colleges of the Central Universities in the revised scales of pay. P.32-36
- Item No.11: To consider the views of the Calcutta and Jadavpur Universities regarding the Memorandum of Association prepared by the Department of Electronics for the Regional Computer Centre at Jadavpur University. P.37-52
- Item No.12: To consider the proposal of the Banaras Hindu University for creation of post of Director for Bharat Kala Bhavan during the Vth Plan period. P.53
- Item No.13: To consider the proposal of the Birla Institute of Technology and Science, Pilani for the post of Development Officer during fifth Plan. P.54-55
- Item No.14: To note the date and place for the next meeting of the Commission.

Any other item.

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! CHUGH!

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 14th April, 1975  
Time : 10.00 A.M.  
Place: UGC Office, New Delhi.

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- Item No.18: To consider proposal received from the colleges which are not at present participating in COSIP for participation in colleges humanities and social science improvement programme (COHSIP). p76-94
- Item No.19: To consider the question of proper functioning of private technical institutions in the country and their further development. p95-107.
- Item No.20: To consider the general question of financial assistance to universities for celebration of Golden Jubilee during the Fifth Plan period and the proposal of Andhra University for a grant for the Golden Jubilee in 1976. p108-109.
- Item No.21: To consider a proposal of the Punjab University for organising a Summer Institute in Analytical Chemistry during 1975. p 110.
- Item No.22: To consider the proposal of the Kashmir University for grant of Rs.1.89 lakhs for meeting the salaries and other recurring expenditure for the financial year 1974-75 in respect of Gulmarg Research Observatory. p 111-158.



CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated: 14th April, 1975  
Time : 10.00 A.M.  
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- Item No.23: To consider the recommendations made by the Panel on History about the development of museums and provision of audio-visual aids in the universities and development of studies in the History of Science. p 159-160
- Item No.24: To consider a proposal for instituting fellowships for foreign students for research work in Indian Universities. p 161-163
- Item No.25: To consider the question of assessment of the work of the Junior Research Fellows so as to become eligible to receive fellowships at Rs.500/- p.m. p 164-166
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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Minutes of the 166th meeting of the University  
Grants Commission held on 10th March, 1975.

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The following were present:-

Professor Satish Chandra	-	Vice-Chairman (In the Chair)
Shri K.N. Channa	-	Member
Dr. Ajit Mazoomdar	-	Member
Professor R.S. Sharma	-	Member
Professor S. Gopal	-	Member
Professor M. Santappa	-	Member
Professor J.B. Chitamber	-	Member
Professor B.M. Udgaonkar	-	Member
Shri R.K. Chhabra	-	Secretary

Professor Rais Ahmed, Dr. Amarjit Singh and  
Shri K.T. Chandu regretted their inability to attend the  
meeting.

SECRETARIAT

Dr. D. Shankar Narayan	-	Additional Secretary
Dr. J.N. Kaul	-	Joint Secretary
Dr. S.K. Dasgupta	-	Joint Secretary
Shri S. Visvanath	-	Deputy Secretary
Shri I.C. Menon	-	Deputy Secretary
Dr. S.C. Goel	-	Deputy Secretary
Shri S.P. Gupta	-	Deputy Secretary
Dr. M.L. Mehta	-	Deputy Secretary
Dr. T.N. Hajela	-	Deputy Secretary
Shri Y.D. Sharma	-	Deputy Secretary
Shri R.P. Bhattacharjee	-	Finance Officer

Item No.1: To receive the minutes of the meeting of the  
Commission held on 10th February 1975.

The minutes of the 165th meeting of the University  
Grants Commission held on 10th February 1975 were confirmed.

Arising out of the minutes, it was felt that (a)  
selection of COSIP colleges for participation in the  
COSIP should be made contingent on their good performance  
in the COSIP, and (b) the colleges selected under COSIP  
and COSIP Programmes may be advised so to formulate  
their programmes that they are helped to prepare themselves  
for autonomy.

Item No.2(a): To approve the action taken on certain matters.

(a) The Commission approved the action taken on items  
listed in Appendix I\*

\*Not enclosed.

P.F.O.

Item No. 20: To consider the general question of financial assistance to universities for celebration of Golden Jubilee during the Fifth Plan period and the proposal of Andhra University for a grant for the Golden Jubilee in 1976.

The Commission agreed that the present level of assistance i.e. Rs. 10 lakhs may be provided to the universities in connection with their Golden Jubilee celebrations. The Commission, however, desired that the universities be advised that at least 2/3rd of such a grant may be used for augmenting research facilities in the university.

Item No. 21: To consider a proposal of the Punjab University for organising a Summer Institute in Analytical Chemistry during 1975.

The Commission accented the proposal of the Panjab University for organising a summer institute in analytical chemistry during 1975 and to provide assistance for the purpose according to the usual norms.

Item No. 22: To consider the proposal of the Kashmir University for grant of Rs. 1.89 lakhs for meeting the salaries and other recurring expenditure for the financial year 1974-75 in respect of Gulmarg Research Observatory.

Consideration of this item was postponed to the next meeting.

Item No. 23: To consider the recommendations made by the Panel on History about the development of museums and provision of audio-visual aids in the universities and development of studies in the History of Science.

Consideration of this item was postponed to the next meeting.

Item No. 24: To consider a proposal for instituting fellowships for foreign students for research work in Indian Universities.

The Commission agreed to the institution of ten junior and five senior research fellowships for foreign students among from developing countries for undertaking research work.

Item No. 25: To consider the question of assessment of the work of the Junior Research Fellows so as to become eligible to receive fellowships at Rs. 500/- p.m.

Consideration of this item was postponed to the next meeting.

Item No. 26: To consider the question of institution of posts of Readers in Colleges.

Consideration of this item was postponed to the next meeting.

R.K. Chhabra  
Secretary

R.S. Sharma  
Chairman of the Meeting.

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- Any other item.

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!CHUGH!

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 14th April, 1975  
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UNIVERSITY GRANTS COMMISSION

Minutes of the 166th meeting of the University  
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The following were present:-

Professor Satish Chandra	-	Vice-Chairman (In the Chair)
Shri K.N. Channa	-	Member
Dr. Ajit Mazoomdar	-	Member
Professor R.S. Sharma	-	Member
Professor S. Gopal	-	Member
Professor M. Santappa	-	Member
Professor J.B. Chitambar	-	Member
Professor B.M. Udgaonkar	-	Member
Shri R.K. Chhabra	-	Secretary

Professor Rais Ahmed, Dr. Amarjit Singh and  
Shri K.T. Chandu regretted their inability to attend the  
meeting.

SECRETARIAT

Dr. D. Shankar Narayan	-	Additional Secretary
Dr. J.N. Kaul	-	Joint Secretary
Dr. S.K. Dasgupta	-	Joint Secretary
Shri S. Visvanath	-	Deputy Secretary
Shri I.C. Menon	-	Deputy Secretary
Dr. S.C. Goel	-	Deputy Secretary
Shri S.P. Gupta	-	Deputy Secretary
Dr. M.L. Mehta	-	Deputy Secretary
Dr. T.N. Hajela	-	Deputy Secretary
Shri Y.D. Sharma	-	Deputy Secretary
Shri R.P. Bhattacharjee	-	Finance Officer

Item No.1: To receive the minutes of the meeting of the  
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COSIP should be made contingent on their good performance  
in the COSIP, and (b) the colleges selected under COSIP  
and COSIP Programmes may be advised so to formulate  
their programmes that they are helped to prepare themselves  
for autonomy.

Item No.2(a): To approve the action taken on certain matters.

(a) The Commission approved the action taken on items  
listed in Appendix I\*

\*Not enclosed.

P.F.O.



Item No.3: To approve the statement of grants released after the last meeting of the Commission held on 10th February, 1975.

.....

The Commission approved the grants released after the meeting of the Commission held on 10th February 1975 (Appendix-I)

Item No.4: To receive a statement of expenditure incurred by the University Grants Commission during 1974-75 upto 31.1.75.

.....

This was noted.

In this connection, it was pointed out that the Government of India had reduced the plan allocation of the University Grants Commission for 1974-75 from Rs.29.29 crores to Rs.26.29 crores. It was further noted that adequate funds required for payment to the Central Universities for revision of scales of pay of the non-academic staff and the additional dearness allowances sanctioned from time to time after 1.1.1973 have not been fully provided in the revised estimates for non-plan and that the Government of India had been approached to provide funds required to meet this commitment. In case adequate funds are not made available, it may be necessary to re-appropriate funds to meet this expenditure from plan provision by staggering the payment under plan budget and re-allocate this amount from non-plan provision during 1975-76 to the plan budget.

It was also indicated that subject to the vote of the Parliament, the likely allocation under plan for 1975-76 will be Rs.30.20 crores. The budget for 1975-76 would be prepared on this basis and placed before the Commission.

Item No.5: To receive a statement indicating the progress of issue of utilisation certificates during the period ending 14th February 1975.

.....

This was noted.

Item No.6: To consider the guidelines for the development of correspondence courses in Fifth Plan.

...

The Commission generally accepted the guidelines suggested for the institution of correspondence courses in the universities at the undergraduate and postgraduate levels and desired that the guidelines be suitably edited in the light of discussion and circulated to the universities.

\*Not enclosed.

Item No.7: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of Rajasthan University for financial assistance towards the introduction of correspondence courses at the postgraduate level.

.....

The Commission desired that the report of the Committee be referred to the Visiting Committee which will be visiting Rajasthan University to assess its Fifth Plan proposals. The Commission further desired that the details of the courses for postgraduate correspondence courses in History and Political Science may be referred to the respective Panels for their comments.

Item No.8: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of University of Andhra for financial assistance towards the introduction of correspondence courses at the postgraduate level.

.....

The Commission desired that the report may be examined in the light of the recommendations that may be made by the Visiting Committee which has recently visited Andhra University to assess its Fifth Plan development proposals.

Item No.9: To consider the report on the proposal of the Utkal University for the introduction of correspondence courses.

.....

The Commission agreed to provide a grant of Rs.30,000 to the Utkal University for preparatory steps to be taken for the introduction of correspondence courses on the condition that the University agrees to follow the guidelines prescribed for the purpose.

Item No.10: To consider further report of the Visiting Committee appointed to review the progress and requirements of funds for the Water Resources Development Training Centre, Roorkee University.

.....

The Commission desired that the Roorkee University may be advised to formulate specific research projects which could be supported by the Department of Science and Technology. The other developmental needs of the WRDTC may be considered, keeping in view, the allocation likely to be suggested to the Roorkee University for engineering and technological education during the Fifth Plan.

Item No.11: To consider the report of the Expert Committee appointed by the University Grants Commission to examine the proposals of the Mysore University for development of postgraduate courses at the University Postgraduate Centre at Shimoga, during the Fifth Five Year Plan period.

.....

The Commission accepted the recommendations of the committee which examined the proposals of the Mysore University for the development of courses at the University Postgraduate Centre at Shimoga and agreed to provide the grants within the ceiling as indicated in Appendix III during the Fifth Plan period on usual sharing basis. The recurring expenditure should be taken over by the University/State Government at the end of the Fifth Plan period.

The Commission further desired that the University be requested to effectively implement the various suggestions made by the committee in the organisation of the courses, etc.

Item No.12: To consider the question of providing assistance for development programmes to Teacher Training Colleges during the Fifth Plan period.

.....

The Commission agreed that as in the case of arts, science and commerce Colleges, the Commission may assist teacher training colleges also for their development during the Fifth Plan. The Commission desired that the Panel on Education may be requested to indicate the purpose and the sharing basis on which assistance may be provided to these colleges within a ceiling of Rs.1.5 lakhs as UGC's contribution for the V Plan. The Commission agreed that the minimum enrolment eligibility condition for such colleges may be 100.

The Commission noted that the arts, science and commerce colleges have been asked to prepare their Fifth Plan development proposals within a ceiling of Rs.5 lakhs including the UGC contribution and the matching share to be provided by the Management/State Government. On re-consideration, the Commission agreed that the ceiling of Rs.5 lakhs indicated earlier may be treated as UGC contribution and that the colleges may be asked to send their proposals in two priorities, first within a ceiling of Rs.3 lakhs and the other within a ceiling of Rs.two lakhs as UGC contribution.

The Commission further noted that the colleges which were established before 17th June 1972 were eligible to receive the Commission's assistance subject to fulfilment of the usual conditions, irrespective of the fact whether they were temporarily or permanently affiliated, whereas it had been stipulated that the colleges established after 17th June 1972 would be eligible for

assistance only if they were permanently affiliated. The Commission desired to have a position paper placed before it with regard to the present status of the affiliation of the colleges, indicating whether the colleges were on permanent or temporary or provisional affiliation and the reasons for temporary or provisional affiliation.

Item No. 13: To consider the question of extending assistance under Book Bank scheme to colleges having an enrolment between 150-500 located in rural areas and/or having a large percentage of scheduled castes/scheduled tribes students.

.....

The Commission, on re-consideration of the conditions prescribed for assistance under the book bank scheme, agreed that in addition to the existing categories of assistance, the Colleges having an enrolment between 250 and 500 students may be provided an assistance of Rs.10,000 on the usual sharing basis for purposes of establishing book banks.

Item No. 14: To consider the report of the Committee set up by the Government of Jammu and Kashmir on the development of education in the State of Jammu and Kashmir.

.....

This was noted.

Item No. 15: To consider further a reference received from the Government of India, Ministry of Education & Social Welfare, regarding permission to St. Stephen's College, Delhi, to approach the Government of Netherlands for assistance for various building projects of the colleges.

.....

The Commission desired that a Committee may examine further the guidelines suggested for institutions to receive assistance from foreign sources and also the proposals of (a) St. Stephen's College, Delhi and (b) Institute of Developmental Studies, Mysore University (Item No. 26) for support from foreign sources.

Item No. 16: To consider the recommendation made by the Law Panel for equating LL.M. with the M.Phil. course for purpose of award of scholarships.

.....

This was withdrawn.

Item No.17: To consider the recommendations made by the Panel on Philosophy at its meeting held on 16th & 17th October 1974.

.....

The Commission accepted the recommendations made by the Panel on Philosophy.

Arising out of this, the Commission agreed that proposals regarding the preparation of books, monographs and other reading materials suggested by the Panels for various levels of courses may be supported by the Commission from funds available for support of research.

Item No.18: To consider the comments of the Gurukul Kangri Vishwavidyalaya, Haridwar, on the report of the Committee appointed by the University Grants Commission to review the working of the Vishwavidyalaya

.....

The Commission desired that the various suggestions made by the Committee appointed by the University Grants Commission to review the working of the Gurukul Kangri Vishwavidyalaya and also the comments made by the Vishwavidyalaya be discussed by a Committee of the Commission with the Vishwavidyalaya authorities and the matter brought up before the Commission at a later date.

Item No.19: To consider the proposal of Delhi University regarding the construction of four buildings for the School of Correspondence Courses and Continuing Education at an estimated cost of about Rs.35 lakhs.

.....

Consideration of this item was postponed. It was desired that in the meantime details regarding the savings available with the Delhi University and the present level of expenditure on correspondence courses may be obtained from the University.

Item No.20: To consider a proposal regarding implementation of University Leadership Project in Biological Sciences at Gujarat University under COSIP.

.....

The Commission accepted the proposal of the Gujarat University for implementation of a University Leadership Project in Biological sciences under the COSIP Programme and agreed to provide a sum of Rs.6,75,090 over a period of three years to meet the expenditure on the following items:-

- I. University requirements
- |    |  |           |
|----|--|-----------|
| 1. | Additional teaching & non-teaching staff (University Department) | Rs.20,000 |
|----|--|-----------|

F.T.O.

2.	Intensive training programme for teachers.	Rs.69,900
3.	Inservice programme for teachers.	Rs.43,050
4.	Seminars-cum-workshops.	Rs.11,580
5.	Visits by University teachers to colleges.	Rs. 2,500

II. Affiliated colleges requirements

6.	Preparation of teachers' guides, supplementary teaching booklets and text-books.	Rs.20,000
7.	Supply of books to University teachers.	Rs. 3,000
8.	Improvement of college laboratories, teaching, kits, visual aids.	Rs.35,000
9.	Library books (Colleges).	Rs.20,000

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for one year:Rs.2,25,030

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Grand total for 3 years: Rs.6,75,090.

Item No.21: To consider a proposal regarding implementation of University Leadership Project in Chemistry at Madras University under Cosip.

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The Commission accepted the proposal of Madras University for implementation of a University Leadership Project in Chemistry under the Cosip Programme and agreed to provide a grant of Rs.10,00,000 over a period of next three years. The Commission desired that the details and purposes for which this amount is to be utilised may be obtained from the University.

Item No.22: To note the date and place for the next meeting of the Commission.

.....

It was noted that the next meeting of the Commission will be held on 14th April 1975 in New Delhi.

P.T.O.

Item No. 23: To consider (1) Starting of M.B.A. course in 9 universities during the Vth Five Year Plan (2) Development of undergraduate and postgraduate course in Engineering & Technology in respect of 6 universities.

.....

The Commission desired that the Sub-Committee of the Planning Group may be requested to indicate, keeping in view the overall allocation for development of engineering and technology including business management, limits within which the Universities may be requested to prepare their Fifth Plan proposals for development of engineering and technology. The institutions would be requested to send their plans in two priorities, first priority for 60 per cent of the allocation and the second for the remaining 40 per cent.

The Commission desired that the proposals already recommended by the AICTE may not be accepted at this stage but the Universities be advised to consider these for inclusion in the Fifth Plan alongwith other proposals.

Item No. 24: To consider requests for enhancing the contribution of the Commission from (a) Agra University for organising the 49th All India Educational Conference (b) Delhi University for (i) Golden Jubilee of the Indian Philosophical Congress and (ii) 7th International Conference on few particular problems in Nuclear Physics (c) University of Ranchi for International Conference of Anthropological and Ethnological Sciences.

.....

The Commission agreed to provide a grant of Rs.5,000 to Agra University for organising the 49th All India Educational Conference and a grant of Rs.20,000 to the Delhi University for the Golden Jubilee of the Indian Philosophical Congress.

The Commission further agreed that assistance to the Universities for organisation of All India Conferences may be revised from Rs.3,000/- to Rs.5,000/- w.e.f. 1975-76 on the basis of criteria to be laid down.

The Commission desired that in case of International conferences/Symposia which are to be supported both by the INSA and the UGC, it will be desirable to have a working arrangement under which support is given to such Conferences either by INSA or by UGC or by both, as the case may be.

While accepting the proposal in principle for the 7th Conference on Nuclear Physics, decision on the assistance to be given, to the Delhi University, for the purpose may be taken in the light of the discussions with INSA as above.

With regard to the proposal of the Ranchi University for organising the 10th International Congress of Anthropological and Ethnological Sciences in 1978, the Commission felt that in the first instance, this may be discussed with the Director of Anthropological Survey of India and Dr. L.P. Vidyarthi.

Item No.25: To consider the views of the Calcutta and Jadavpur Universities regarding the Memorandum of Association prepared by the Department of Electronics for the Regional Computer Centre at Jadavpur University.

.....

Consideration of this was postponed to the next meeting.

Item No.26: To consider a proposal from University of Mysore for receiving Ford Foundation Grant of ₹ 3,25,000/- for its Institute of Development Studies.

.....

Please see Item No.15.

Item No.27: To consider the request of the Saugar University for construction of building for the Department of Pharmacy.

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The Commission agreed that the Saugar University may be permitted to undertake construction of building for the Department of Pharmacy as already agreed to.

Item No.28: To consider certain establishment matters of the University Grants Commission.

- (i) Grant of extension of service to Shri R.P.Dhir, Assistant Secretary on attaining the age of superannuation.
- (ii) Note on recruitment of persons belonging to Scheduled Castes and Scheduled Tribes in the office of the University Grants Commission.

.....

(i) The Commission could not agree to the grant of extension in service to Shri R.P. Dhir, Assistant Secretary, on attaining the age of superannuation (58 years).

(ii) The Commission noted the under-representation of Scheduled Castes/Scheduled Tribes in the various posts in the office of the University Grants Commission and desired that a Committee may be appointed to (a) examine the circumstances leading to the inadequate employment of Scheduled Castes and



Scheduled Tribes to the various posts in the office of the University Grants Commission; and (b) recommend measures to remove this inadequacy and ensure regular induction to the various posts as per prescribed quotas within the framework of the orders of the Government of India.

Item No.29: To consider the proposal of the M.S. University of Baroda to absorb the staff of the project for Publication of Critical Edition of Valmiki Ramayana on permanent basis.

.....

The Commission, on the basis of the recommendations of the Visiting Committee, agreed to continue to assist the M.S. University of Baroda on the same sharing basis as originally agreed to as part of V Plan proposals on the condition that the liability for this would be taken over by the State Government at the end of the Fifth Plan.

Item No.30: To consider the recommendations of the Committee appointed by the University Grants Commission to finalise the norms for the introduction of post-graduate courses in colleges.

.....

The Commission accepted the recommendations of the Committee regarding the norms for introduction of postgraduate courses in Colleges and other related matters as given in Appendix IV.

Item No.31: To consider the report of the Committee appointed by the Commission to examine the question of award of scholarships to students admitted to one year post-graduate diploma course in Computer Science at Aligarh Muslim University.

.....

The Commission, on the basis of the report of the committee, approved to the Aligarh Muslim University starting a one-year postgraduate diploma course in computer sciences with an intake of 10 students and agreed to provide to the students admitted to this course a studentship of Rs.250 per month, provided such students have obtained at least 55 per cent marks in the qualifying examination. The Commission further desired that admissions to this course may be made on all all-India basis with at least 50 per cent of the studentships given to students coming from other universities.

The Commission agreed that scholarships for students admitted to the present batch (1974-75) may be given with effect from the date of the beginning of the course or the actual date of joining by the student, whichever is later and any students who has discontinued the course during the year would not be eligible to receive any payment for the period he attended the course.

Item No.32: To consider the question if any reservation be provided for candidates belonging to Scheduled Castes/Scheduled Tribes while making selection of Research Associateships.

.....

The Commission agreed that 10 per cent of the Research Associateships instituted by the University Grants Commission may be ear-marked for scheduled caste/scheduled tribe candidates. In case qualified candidates belonging to scheduled castes/scheduled tribes are not available, the Research Associates may be treated as unreserved.

Item No.33: To consider a reference from the Parliament Forum for Scheduled Castes and Scheduled Tribes regarding reservation for Scheduled Castes/Scheduled Tribes for appointment to teaching posts in the universities.

.....

The Commission noted that according to the information available, no Central University is having reservation in the academic posts for Scheduled Castes and Scheduled Tribes.

The Commission desired that as earlier agreed to, the question of reservation of posts for members belonging to scheduled castes and scheduled tribes in the Universities for teaching appointments may be further discussed with the Commissioner for Scheduled Castes and Scheduled Tribes.

Item No.34: To consider a proposal from Delhi University, to permit Vivekanand Mahila College, Shahdhra, to undertake construction of its building.

.....

The Commission agreed that the Vivekanand Mahila College, Shahdhra, be permitted to undertake construction of the new College building. The Commission however desired that it may be considered if the construction of the building could be phased out, in particular keeping in view that the College should vacate the school building, as early as possible, in which it is presently housed. It was noted that assistance to this College would be included within the overall allocation of Rs.1.5 crores suggested to Delhi University for development of colleges of the Delhi University in the V Plan period.

R.K.Chhabra  
Secretary

Satish Chandra  
Vice-Chairman

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Grants approved for development of University  
Centre for Postgraduate studies at Shimoga,  
University of Mysore.

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<u>Non-Recurring</u>	<u>Total</u>	<u>UGC share</u>	<u>State Govt. Share</u>
	Rs. in lakhs	Rs. in lakhs	Rs. in lakhs
a) <u>Building:</u>			
(i) Science Block for Departments of (a) Chemistry (b) Environmental Sciences and (c) Mathematics.	10.00	5.00	5.00
(ii) Humanities Block and Library for (a) Department of Economics (b) Kannada and (c) Central Library.	10.00	5.00	5.00
(iii) (a) 60 students Men's hostel and (b) 30 students Women's hostel.	3.00 1.5	1.5 1.15	1.5 0.35
(iv) Academic staff quarters (for 10 residences).	5.00	2.5	2.5
	29.50	15.15	14.35
b) <u>Scientific Equipment:</u>			
(i) Department of Chemistry	1.5	1.5	-
(ii) Department of Environmental Sciences.	1.5	1.5	-
(iii) Department of Mathematics	0.25	0.25	-
(iv) Department of Economics	0.25	0.25	-
	3.50	3.50	-
c) <u>Library Books &amp; Journals:</u>			
(i) Department of Chemistry	0.50	0.50	-
(ii) Department of Environmental Sciences.	0.50	0.50	-
(iii) Mathematics	0.50	0.50	-

(iv) Economics	0.25	0.25	-
(v) Kannada	0.25	0.25	-
(vi) Central Library	1.00	1.00	-

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	3.00	3.00	-
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(d) Other facilities:

(i) Workshop (Shed & Equipment)	1.00	1.00	-
(ii) Mini bus	0.50	0.25	0.25

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	1.50	1.25	0.25
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<u>Total Non-recurring</u>	Rs.37.50 lakhs
(i) UGC Share	Rs. 22.90 lakhs
(ii) State Govt. Share	Rs. 14.60 lakhs

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	Rs.37.50 lakhs
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II. Recurring:

UGC will pay its share of the grant on the basis of actual expenditure incurred on salary etc. for appointment of the following staff upto end of Vth plan period, the balance is to be provided by the State Government and the entire expenditure to be taken over after 1978-79 as committed expenditure of the State Government.

- (a) Professors: (i) One each in Chemistry, Economics and Kannada from 1974-75 to 1978-79  
(UGC Share 100%) (ii) One each in Environmental sciences and Mathematics from 1975-76 to 1978-79.  
(Total: 5 Professors)
- (b) Readers: (i) Two readers in Chemistry, one in Economics, one in Kannada (1974-75 to 1978-79).  
(UGC Share 100%) (ii) Two in Environmental Sciences and one in Mathematics (1975-76 to 1978-79).  
(Total: 7 Readers)
- (c) Lecturers: (i) 3 in Chemistry, 2 in Economics and 2 in Kannada (1974-75 to 1978-79).  
(UGC Share 75%) (ii) 3 in Environmental Science and 3 in Mathematics (1975-76 to 1978-79).  
(State Govt. share 25%)

- (d) Library Staff: One Assistant Librarian and two Senior Professional Assistants (1975-76 to 1978-79).  
(Professional)  
UGC Share 50%  
State Govt. Share 50%
- (c) Workshop Staff: One mechanic  
One Electrician  
One general purpose Technical Assistant.  
(UGC Share 100%)  
(All from 1975-76 to 1978-79)
- (f) Other Technical Staff: (i) 2 Technical Assistants in  
as suggested in the report. Chemistry  
(ii) 2 in Environmental Sciences  
(iii) One Statistical Assistant in  
Economics Department.  
(iv) One field survey assistant in  
Kannada (all from 1975-76 to  
1978-79)  
UGC Share 100%

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Norms for introduction of postgraduate courses in  
the Humanities and Social Science in Colleges.

1. A College may be allowed to start postgraduate course in a subject only when there is persistent demand for teaching in that subject and enrolment of a minimum number of students, every year is ensured. Opening of a new postgraduate class should be invariably linked with the manpower needs of the region. The College must be permanently affiliated and should have shown consistently good results at the undergraduate level during the last five years.
2. A college may be considered for further assistance, only if:-
  - (a) Available facilities in the shape of library, laboratory equipment and faculty reflect the commitment of the department and the college to the development of particular subject. The commitment of the college would in particular be seen from its overall recruitment policy, e.g., whether it has the practice of appointing only people a constantly good academic record and Ph.Ds' as far as possible.
  - (b) It serves the needs of the students community coming from the undergraduate colleges of the region as reflected in enrolment.
  - (c) The department has the scope and potentiality for development of a specialisation in a particular area not available in the other colleges and universities of the region.
  - (d) There is a clear cut programme of research and training to ensure quality at the initial stage of starting a department.
  - (e) It has faculty comparable in quality to that of a University department and demonstrates potential of growth and specialisation.
3. A minimum of four teacher recognised by the University as postgraduate teachers (see paragraph 4 below) be appointed at the initial stage. The staff may be increased gradually depending upon the increase in the hours of work and the introduction of the special papers. In a postgraduate department there should be at least four teachers with M.Phil or equivalent degree or research work, of whom there should be at least two teachers with Ph.D. degree or equivalent research work.

4. For effective postgraduate teaching, the first pre-requisite is the quality of teachers. It is imperative that teachers at this stage should have developed critical faculties of evaluating the major developments in their subject. For this purpose, it should be laid down that only those persons would be recognised for postgraduate teaching who have some papers to their credit in standard research journals. In addition:-
  - (a) They should be required to go through and pass a post-Master's degree/diploma in Research Methodology.
  - (b) In order that a postgraduate teacher may be able to supervise and carry out advanced studies/research he should not be expected to take more than two papers in two years.
  - (c) The teachers should have enough time to keep themselves abreast with the latest development in their subjects. For this purpose, it may be laid down that the work load of a recognised teacher should not be more than 12 lectures a week.
5. Postgraduate courses need not necessarily be started only in such subjects which are taught at the degree level in the affiliated colleges. Inter-departmental/Interdisciplinary courses may be preferred.
6. A College department should have adequate material and other equipment. The departmental library should have enough copies of recommended books and at least three standard journals published during the last 10 years. For books and journals the College should provide per department Rs.15,000/- as Non-recurring and Rs.5,000/-p.a. as recurring.
7. The college should provide a fixed amount every year, not less than Rs.5,000/-, for development of research activities in the department.
8. The college should make provision of funds for enabling department teachers to attend National Conferences in their subjects every year.
9. The condition for opening a postgraduate department in the college as prescribed by the university may be insisted upon specially with regard to the staff, books and equipment before providing any further support for the development of the department.
10. As far as possible at least two papers out of 8 papers should be different from those taught at the University.
11. Annual colloquiums may be organised for the benefit of the college teachers and the students in which university and college teachers should participate.

General norms for postgraduate courses in  
Science Subjects

....

Strengthening of the teaching staff and recruitment of suitably qualified persons was the most important factor required for postgraduate education besides availability of necessary laboratory, library and other facilities. A department seeking affiliation for starting/running postgraduate classes should have at least six teachers with post-M.Sc. qualifications such as M.Phil. or research experience as evidenced by publications. Further, at least three such teachers should have a Ph.D. degree or research publications of equivalent standard. It will also be essential for such departments to have at least one viable research programme undertaken by the staff members. Similarly, before any particular specialisation in the subject can be offered as special paper at the M.A./M.Sc. level, there should be on the staff of the department at least two persons who are qualified in that special discipline. The total strength of the staff of such departments would, however, depend upon the total work-load, including undergraduate instruction.

Generally an intake of 15 students should be considered as an optimum size for a unit of postgraduate class. No postgraduate classes should be permitted to be started if the intake is less than ten students with 50% or more marks in the subject concerned. For purposes of increasing admissions also the unit of 10-15 should be taken into account.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 14th April, 1975

Item No.2(a): To approve the action taken on certain matters.

(1) : Approval of retired teachers selected under the scheme of Utilisation of Services of Retired Teachers.

.....

The Commission constituted a Committee for making recommendations regarding selection of teachers under the scheme of utilisation of services of retired teachers during the year 1974. This Committee met on 7th Sept., 1974 and 8th October, 1974 and recommended retired teachers for fresh award under the scheme and also extension of tenure of the retired teachers who were already under the scheme. Further, the Committee also decided that those cases of teachers referred to experts but whose comments were not received may be decided by the Chairman on receipt of the same. Accordingly, the selection of 27 teachers under fresh award made during the year 1974 and 24 teachers recommended for extension of tenure under the scheme had already been approved by the Commission at its meeting held on 24th November, 1974 (Item.2(a)(5)).

Comments from experts have been further received in respect of 8 more teachers as given below and they have been approved for fresh award under the utilisation of services of outstanding retired teachers.

S.No.	Name of the Selected Candidate	University	Subject.
1.	2.	3.	4.
1.	Prof. S.M. Mohsin	Patna	Psychology.
2.	Dr. G.N. Sharma	Rajasthan	Sanskrit.
3.	Prof. Santidev Ghose	Visva-Bharati	Music.
4.	Prof. J.J. Chinoy	Gujarat	Botany.
5.	Prof. F.J. Noronha	Bangalore	Mathematics.
6.	Prof. P.K. Bhuptkar	Poona	Hindi.
7.	Dr. M.L. Vidyarathi	Kanpur	History.
8.	Dr. Ramanand Tiwari	Rajasthan (M.S.J. College, Bharatpur)	Philosophy.

Extension of tenure in respect of Prof. B. Dayal, Department of Physics, Meerut University, Meerut for a period of one year w.e.f. 1st October, 1974 has also been approved on the basis of comments received from experts.

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- (2) Bhagalpur University Grant-in-aid for the construction of Post-Graduate Mathematics and Statistics Block.

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The Bhagalpur University had provided an amount of Rs. 1,50,000/- for the construction of a combined building for the Departments of Mathematics and Statistics within its over-all Fourth Plan allocations. In July, 1973 the University informed the Commission that it had decided to construct a separate block for each of the two Departments at an estimated cost of Rs. 3,02,000/- and sent the plans and estimates for Commission's approval. The University was informed that it would be difficult for the Commission to provide funds over and above the allocation of Rs. 1,50,000/-. The University was, therefore, advised better to take up the construction of only one Block or to postpone the construction of these buildings to the Fifth Plan.

The Bhagalpur University subsequently sent the plans and estimates amounting to Rs. 5,36,000/- for the construction of a combined block for the Post-graduate Departments of Mathematics and Statistics and sought Commission's approval for the same. The proposal of the University has been accepted at an estimated cost of Rs. 4,94,400/- (Calculated on the basis of the norms provided by the UGC on various services) on the condition that the share of the Commission for the purpose will be limited to Rs. 3,22,200/- (i.e. Rs. 1,50,000/- as provided in the Fourth Plan plus Rs. 1,72,200/- being 50% of the remaining amount of Rs. 3,44,400/- viz. Rs. 4,94,400- Rs. 1,50,000/-) and that the entire grant approved by the Commission in this regard will be the first charge on the 5th Plan allocations of the University.

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- (3) Delhi University Constituent Colleges- Finalisation of the accounts of the maintenance grants paid by the University Grants Commission.

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Maintenance grants to constituent/affiliated colleges of Delhi University are being paid on 95% basis for meeting the deficit (i.e. approved expenditure minus approved income). In the case of University maintained colleges and evening classes of the colleges, maintenance grant is paid on a 100% basis against admissible deficit. The audited accounts in respect of the following colleges for the year 1972-73 have been examined and the accounts of admissible maintenance grant finalised as indicated below:-

S.No.	College.	Year	Amount
			Rs.
1.	2.	3.	4.
1.	Shyama Prasad Mukherji College for Women.	1972-73	6,18,101/-
2.	Miranda House	1972-73	16,28,164/-
3.	Institute of Home Economics.	1972-73	3,70,661/-
4.	S.G.T.B. Khalsa College (Day)	1972-73	16,49,095/-

contd.

1.	2.	3.	4. Rs.
5.	Hastinapur College (Day)	1972-73	11,37,841/-
6.	Indraprastha College for Women.	1972-73	13,69,082/-
7.	Hans Raj College	1972-73	17,04,580/-
8.	Daulat Ram College.	1972-73	15,57,493/-
9.	Swami Shraddhanand College	1972-73	6,85,212/-
10.	Bhagat Singh College (Day)	1972-73	8,88,305/-
11.	Gargi College	1972-73	8,95,850/-
12.	Lady Irwin College	1972-73	8,95,496/-
13.	Janki Devi Mahavidyalaya.	1972-73	10,17,510/-
14.	Hindu College	1972-73	12,29,418/-
15.	Vivekananda Mahila College	1972-73	3,38,777/-
16.	Maitreyi College	1972-73	6,78,134/-
17.	A.R.S.D. College	1972-73	11,45,745/-
18.	Sri Venkateswara College	1972-73	4,03,925/-
19.	Kirori Mal College	1972-73	13,56,295/-
20.	Shivaji College	1972-73	10,25,322/-
21.	Delhi College (Day)	1972-73	13,56,863/-
22.	Lady Shri Ram College	1972-73	11,99,898/-
23.	Kalindi College	1972-73	8,58,328/-
24.	St. Stephen's College	1972-73	10,57,445/-
25.	P.G.D.A.V. College (Day)	1972-73	6,33,099/-
26.	Shri Ram College of Commerce	1972-73	9,57,538/-
27.	Deshbandhu College (Day)	1972-73	12,75,063/-
28.	Mata Sundri College for Women.	1972-73	6,83,055/-
29.	Deshbandhu College (Evening)	1972-73	5,30,714/-
30.	Delhi College ( Evening)	1972-73	6,65,858/-
31.	Ranjas College	1972-73	10,98,059/-
32.	Rajdhani College	1972-73	11,10,141/-

75% of the expenditure towards the salaries of the Hostel Mess Staff of the Constituent/Affiliated Colleges of Delhi University (to be appointed in accordance with the prescribed norms) is met by the Commission.

contd...

Item-2(a)(3) Contd.

Audited accounts of the following colleges for the year 1972-73 have been examined and accounts of the admissible grant in this respect have been finalised as indicated below:-

1.	2.	3.	4. Rs.
1.	Miranada House.	1972-73	35,928/-
2.	Ramjas College	1972-73	16,482/-
3.	I.P. College for Women.	1972-73	22,852/-
4.	Hans Raj College	1972-73	20,228/-
5.	Lady Irwin College	1972-73	22,798/-
6.	Delhi College (Day)	1972-73	5,785/-
7.	Lady Shri Ram College for Women.	1972-73	23,236/-
8.	Delhi School of Social Work.	1972-73	5,857/-
9.	Shri Ram College of Commerce.	1972-73	13,150/-
10.	Hindu College	1972-73	26,024/-
11.	Kirori Mal College	1972-73	12,391/-

.....

(4) Recommendations made by the Block Grant Committee on Central Universities.

.....

The Commission had appointed a Committee to determine the block grant of Central Universities. The members of the Committee is given in the Annexure.

The Committee had a few meetings and considered issues relating to the determination of the block grant of the Central Universities. The Committee has recommended that the following items may be taken into account for determining the committed expenditure in respect of the schemes accepted during the 4th Five-Year Plan:

1. Posts: All posts sanctioned during the 4th plan period which remained filled as on 31.3.1974, including those which were filled earlier but were vacant as on 31.3.1974.
2. Other expenditure: The level of actual expenditure in respect of each scheme as in 1973-74 but not exceeding the amount sanctioned by the Commission for the purpose.

The recommendations of the Committee have been accepted and the universities have been requested to send statements for determining the committed expenditure on the basis of these recommendations of the Block Grant Committee.

.....

- (5) Central Universities--Applicability of Deposit-Linked Insurance Scheme for subscribers to the Provident Funds to the teaching as well as non-teaching employees of the Central Universities.

.....

With a view to providing extra social security to the Families of of the subscribers to the Provident Funds and a positive incentive to Central Govt. Employees to save more, the Govt. of India in the Ministry of Finance (Department of Expenditure) has, vide its Office Memorandum No. F. 9(10)-E.V.(B)/73 dated the 8th January, 1975 introduced a Deposit Linked Insurance Scheme which provides an insurance cover to the subscribers without payment of premium. The scheme has come into force from the date of issue of the memorandum i.e. the 8th January, 1975.

It has been agreed that the above scheme may be made applicable to the employees, teaching as well non-teaching, of the Central Universities and the Colleges affiliated to the Delhi University which are receiving maintenance grant from the University Grants Commission from the same date and on the same terms and conditions as contained in the above referred office memorandum dated the 8th January, 1975.

The scheme will be administrated as follows:-

- i) On the death of a subscriber in service, the person(s) eligible to receive Provident Fund balances in terms of the relevant rules will be sanctioned an additional amount equal to the average balance in the account of the deceased employee in the Fund during the three years immediately preceding the death of the employee subject to the provisions of sub-para (iii) below:
- ii) In the case of Contributory Provident Fund, only the subscription of the employee with interest thereon will be taken as the balance for the purpose of this scheme ;
- iii) The above benefit will be available subject to the fulfilment of the following conditions:-
  - a) The balances in the account of the Government servant should not have fallen below the following limits at any time during the three years preceding the date of death:-

Class-I	:	Rs. 3,000/-
Class-II	:	Rs. 2,500/-
Class-III	:	Rs. 1,500/-
Class-IV	:	Rs. 1,000/-
  - b) The upper limit upto which the benefit of insurance cover will be available will be Rs.10,000/-. Thus, any amount in excess of Rs.10,000/- in the Fund will be disregarded for the purpose of this extra benefit.
  - c) The benefit would be admissible only if any employee has put in at least five years' service at the time of death.

The Central Universities have been informed accordingly.

.....

- (6) Approval of Ad-hoc grant for Introduction of work experience in Colleges.

.....

Pending the finalization of the scheme for linking education with productivity and Introduction of Work experience in Universities/Colleges, ad-hoc grants have been approved to the following colleges for implementation of certain projects towards "Introduction of work experience in Colleges" during 1974-75.

- |    |  |             |
|----|--|-------------|
| 1. | Radhaswami Educational Institute,<br>Degree College, Agra. | Rs. 2,500/- |
| 2. | D.E.I. Women's Training College, Agra.                     | Rs. 5,000/- |

.....

- (7) Increase in approved cost of the research project and Professor V.P. Subramanyam, Department of Meteorology and Oceanography, Andhra University, Waltair.

.....

The Commission at its meeting held on 18th April, 1974 vide Item No. 33 accepted the recommendations of the Panel of Scientists and Science Research Council and agreed to provide grants to various research projects. A grant of Rs. 13,500/- was approved to Prof. V.P. Subramanyam, Department of Meteorology & Oceanography, Andhra University, Waltair, for undertaking the research project entitled "Studies in Urban Meteorology of Visakhapatnam" for three years. The grant included Rs. 1500/- p.a. for undertaking field work. On receipt of specific request from the Principal Investigator and considering the increase in price of petrol this grant was increased to Rs. 2,500/- p.a. thereby increasing the total approved cost by Rs. 3,000/-.

.....

- (8) Selection of scientists for the awards instituted with the help of endowment made available by the Hari Om Ashram Trust, Nadiad (Gujarat) for the year 1974.

.....

The Commission at its meeting held on 9th and 10th December, 1974 (Item No.13) appointed the Jury for making final selection of the scientists for the awards instituted by the Commission from out of the endowment made available by Hari Om Ashram Trust, Nadiad. The Jury at its meeting held on 11th March, 1975, selected the following scientists for the awards for the year 1974:

- (i) For Sir G.V. Raman Award for Experimental Research in Physical Sciences: Dr. K.R. Daniel (Age-51 years). Tata Institute of

Fundamental Research, Bombay, for his contributions in the Studies of Cosmic Rays particularly High Energy Cosmic Ray Electrons and the inferences made on some properties of the galaxy.

- (ii) For Homi J. Bhabha Award for Research in Applied Sciences:  
Professor T.R. Anantharaman (Age-47 years), Head of the Department of Metallurgical Engineering, Banaras Hindu University, Varanasi, for his contributions in the areas of physical metallurgy and organising an outstanding school of research in that subject at Banaras Hindu University.
- (iii) For Meghnad Saha Award for Research in Theoretical Sciences:  
Professor S.K. Joshi (Age-40 years), Head of the Department of Physics, University of Roorkee for his contributions in the fields of Theoretical Solid State Physics and the leadership in organising an active school of Solid State Physics at Roorkee University.

The selected scientists and the Trustees of Hari Om Ashram have been informed and a Press Note has also been issued. These awards each of the value of Rs. 10,000/- are being made by the Commission for the first time. These awards will be given away at a special function to be organised for the purpose in due course.

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- (9) Approval and payment of ad-hoc basic grant to the Centres of Advanced Study towards purchase of Equipment and Books & Journals.

...

The Commission at its meeting held on 31st January, 1975 interalia decided that the Vth Plan proposals relating to existing Centres of Advanced Study may be examined by the members of the Assessment Committee which had visited these centres in IVth Plan. It has since been decided that pending examination of the detailed financial requirements of the existing Centres, basic grants be approved to them for purchase of Equipment and Books and Journals and to release 1st instalment of grants to the Centres during the year 1974-75. The grants approved and grants released to the Centres are as follows:-

			<u>Grants approved.</u>	<u>Ist instalment of grant released.</u>
			Rs.	Rs.
1.	C.A.S. in Physics, University of Delhi.	Equipment	- 2,00,000/-	1,00,000/-
		Books and Journals.	- 1,00,000/-	50,000/-
2.	C.A.S. in Radio- physics & Electronics, Calcutta University.	Equipment	- 2,00,000/-	1,00,000/-
		Books and Journals.	- 1,00,000/-	50,000/-

contd..

			<u>Grants approved.</u> Rs.	<u>Ist instalment of grant release</u> Rs.
3.	Applied C.A.S. in Chemistry Bombay University.	Equipment	- 2,00,000/-	1,00,000/-
		Books & Journals	- 1,00,000/-	50,000/-
4.	C.A.S. in Chemistry Delhi University.	Equipment	- 2,00,000/-	1,00,000/-
		Books & Journals	- 1,00,000/-	50,000/-
5.	C.A.S. in Botany Delhi University.	Equipment	- 2,00,000/-	1,00,000/-
		Books and Journals.	- 1,00,000/-	50,000/-
6.	C.A.S. in Botany Madras University	Equipment	- 2,00,000/-	1,00,000/-
		Books & Journals	- 1,00,000/-	50,000/-
7.	C.A.S. in Zoology Delhi University	Equipment	- 2,00,000/-	1,00,000/-
		Books & Journals.	- 1,00,000/-	50,000/-
8.	C.A.S. in Marine Biology, Annamalai University.	Equipment	- 2,00,000/-	1,00,000/-
		Books & Journals	- 1,00,000/-	50,000/-
9.	C.A.S. in Geology Panjab University	Equipment	- 2,00,000/-	1,00,000/-
		Books & Journals.	- 1,00,000/-	50,000/-
10.	C.A.S. in Mathematics Bombay University.	Equipment	- 25,000/-	-
		Books & Journals.	- 1,00,000/-	2,500/-
11.	C.A.S. in Mathematics, Panjab University.	Equipment	- 25,000/-	12,500/-
		Books & Journals	- 1,00,000/-	50,000/-
12.	C.A.S. in Astronomy Gomania University.	Equipment	- 2,00,000/-	1,00,000/-
		Books & Journals	- 1,00,000/-	50,000/-
13.	C.A.S. in Bio-Chem- istry, I.I.Sc., Bangalore.	Equipments	- 2,00,000/-	1,00,000/-
		Books & Journals.	- 1,00,000/-	50,000/-

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- (10) Approval of research grants for the project "An Experiment on Emulsion Stack Exposed to 200 GeV" at the Department of Physics, Rajasthan University, Jaipur.

.....

On the basis of recommendation received from the Convenor of the Physics Panel Prof. B.M. Udgaonkar, a grant of Rs. 7000/- for one year was approved to be made available Prof. S. Likanathan, Head of the Department of Physics, Rajasthan University, Jaipur for conducting research work on Emulsion Stack Exposed to 200 GeV (in collaboration with Prof. Yog Prakash of Jammu University).

.....

- (11) Approval of the extension of the research projects being supported by the Commission.

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On the basis of specific requests from the Principal Investigators and recommendations of the experts/convenors of the subject panels extensions of durations with increased cost was approved in respect of the following research projects:-

S.No.	Principal Investigator/ Univ./Instt.	Title of the project.	Extension granted.
1.	Prof. C.S.G.K. Setty, Department of Physics, Delhi University.	"Ionosphere Research".	Six months extension or upto March, 75 on the existing basis.
2.	Prof. M.R.N. Prasad, Head of the Deptt. of Zoology, University of Delhi.	"Hormonal Regulation of Implantati on with Particular Reference to the Action of Estrogen and Progesterone on Nucleic Acid and Protein Synthesis in the Uterus and Blastocysts".	Three montns extension upto March, 1975 on the existing basis.
3.	Prof. P.N.Srivastava, Head of the Deptt. of Zoology, Rajasthan University.	"Effect of Radio-phosphorus on Organo-genesis and Fetal Development in Mice and Rats".	Six months extension upto March, 1975 on the existing basis.
4.	Prof. K.K. Varma, Prof. of Geophysics, Indian School of Mines, Dhanbad.	"Gravity Surveys in Eastern India".	Two years extension upto Jan., 1977 at a cost of Rs. 3,000/- .

.....

(12) Items assigned to the Commission for implementation under Indo-FRG Cultural Exchange Programme 1975-76.

.....

The Government of India in the Department of Culture has forwarded the finalised Indo-FRG Cultural Exchange Programme 1975-76. The following items have been assigned to the Commission for implementation under the above programme:-

<u>Item.</u>	<u>Particulars.</u>	<u>Remarks.</u>
II.	<u>University Education.</u> <u>Centre of German Studies at the Jawaharlal Nehru University.</u>	
a)	Both sides agree that there will be collaboration and cooperation in the development of the Centre of German Studies at the J.N.U. in accordance with the detailed arrangements enumerated in letters on the subject exchanged between the two sides.	This item has been assigned to Deptt. of Education (U Division./UGC). U.G.C. will support such collaboration.
b)	<u>Lecturers for German language .</u>  FRG side will send German language teachers for teaching German language and literature at Indian Universities/Institutions of Higher learning. Details about number of teachers and the condition of their assignment will be worked out by mutual consent between the GAES and UGC.	The matter is under discussion with the German Academic Exchange Service relating to the number of positions available. The Commission will coordinate the services of German language teachers in the universities and IIT's keeping in view the German teachers already in position and their continuation in 7 universities in the country. The nominations have been invited from the Indian Universities/Institutions with a view to supplement the teaching of German language in these universities.
c)	Both sides agree to encourage and develop bilateral contacts and exchanges between Deptts. of Universities and other Institutions of Higher learning including on the Indian side the School of Planning and Architecture, IITs and All India Instt. of Medical Sciences.	This items has been assigned to Deptt. of Education (T. Division)/U.G.C./Deptt. of Health/ICSSR etc. As far as the UGC is concerned 7 universities have been selected out of the list earlier approved by the Commission as indicated below to nominate a senior teacher for academic

Item No.	Particulars.	Remarks.
		and exploratory visit to universities in FRG with a view to formulate the academic link between the selected universities in both the countries.
	The list of the departments of universities and Institutions which are to develop bilateral contacts shall be drawn up by mutual consultation between the two Governments and details of visits of teachers, experts and Scholars and exchange of publications, teaching and research material and joint research programmes will be worked out by mutual consent of the Departments of universities and Institutions having bilateral contacts in consultation with the respective Governments.	i) Madurai University (Biological Sciences) ii) Panjab University (Maths.) iii) Banaras Hindu University (Medical Sciences and Metallurgy). iv) Jadavpur (Elect. Engg.) v) Delhi University (History) vi) J.N. University (Centre of German Studies). vii) Bombay University (Economics)
	Joint proposals will be submitted by the respective German and Indian Universities to the authorities designated by each side.	The objective is to develop bilateral contacts by mutual consultation between the two Governments in regard to research materials and joint research programmes in selected disciplines. The joint proposals as and when received from the above universities will be submitted to the authorities designated by each side.
	After receipt of a joint proposal the authority designated will endeavour to communicate within three months.	
	This procedure will also apply to proposals contained in the letters on the subject exchanged between the two sides.	
ii)	Both sides agree to the exchange of upto 6 younger Scientists to provide contacts between them in Indian and German universities/Institutions.  The details of contacts will be worked out by mutual consent.	The Commission is negotiating with German Academic Exchange Service for utilising six placements made available by the latter for younger Indian Scientists for spending about three months at German universities/Institutions. The universities have been invited to send their nominations for teachers below the age of 35 years holding

contd..

permanent staff positions in the Indian Universities. The procedure of selection is under consideration in consultation with German Academic Exchange Service. The teachers selected in this programme will be required to work out a scientific programme giving the details about the particular German Institutions to be visited and the well-thought out plan of work.

d) Scholarships.

ii) As in the past FRG side will offer scholarships for postgraduate and research work for Indian nationals. Of these certain number would be earmarked annually for research Scholarships to UGC. The fields will be decided by mutual negotiations.

As in previous years the Commission will invite suitable nominations from universities for Postgraduate research work in FRG Institutions under the Fellowships likely to be made available by German Academic Exchange Service this year. In 1974 the Commission had selected 10 candidates for award of German Academic Exchange Service Fellowships for the year 1975. The selection for 1976 will be made in September-October, 1975.

6.(e) III Libraries, Archives & Seminars.

Both sides will examine the possibility of free exchange of microfilms copies of rare books, manuscripts and documents between the Libraries, archives and museum of each other's country.

This is a continuing item and Universities/Institutions will be encouraged to have such exchanges.

.....

(12) Sardar Patel University-Implementation of Examination Reform.

....

The Commission at its meeting held on 8th July, 1974 (Item No 9) considered the question of inclusion of some more universities in the scheme of special assistance towards examination reform programme and was of the view that any university which has a specific programme of examinations Reform may submit its proposal and this may be considered within the ceiling of Rs. 60 lakhs already ear-marked for examination reform programme during the 5th Five Year Plan.

contd...

In the light of the above resolution of the Commission the proposal of the Sardar Patel University for a grant of Rs. 25,000/- towards conducting seminars/workshops etc. on Examination Reform has been acceded to and the university informed accordingly. The University has already introduced a system of internal assessment, the weightage being 30 to 50 per cent. It has also accepted the concept of question bank to be introduced in phases.

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- (14) Appointment of Shri Dharam Vir Yadav, son of Late Shri Daya Ram Yadav, Staff Car Driver, as Peon in relaxation of recruitment procedure and age restriction on compassionate grounds.

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Shri Dharam Vir Yadav, son of Late Shri Daya Ram Yadav, Staff Car Driver, who died in harness on the 14th November, 1974, has been appointed as Peon in the University Grants Commission in the revised scale of pay of Rs. 196-3-200-EB-3-232 with effect from 1st March, 1975 (forenoon) on compassionate grounds in relaxation of recruitment procedure and age restriction as provided for in the Govt. of India Orders issued from time to time in this regard. Shri Dharam Vir Yadav possesses the prescribed educational qualifications for the post of Peon.

.....

- (15) Extension of the period of deputation of Dr. R.D. Deshpande, Joint Secretary, U.G.C. on foreign service terms as Director in the Science & Technology Affairs Division of the Department of Science and Technology, Government of India.

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On receipt of a request from the Department of Science & Technology, Government of India, regarding extension of the period of deputation of Dr. R.D. Deshpande, Joint Secretary, University Grants Commission, as Director in the Science & Technology Affairs Division of the Department, it has been agreed to extend the period of deputation of Dr. R.D. Deshpande with the Department for six months more from 1st March, 1975 to 31st August, 1975 on the existing terms and conditions. The original period of deputation of Dr. Deshpande was from 1st August, 1974 to 28th February, 1975.

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ANNEXURE TO ITEM NO.2(a)(4)

Constitution of the Committee appointed by the University Grants Commission to determine Block Grants for the Central Universities from 1974-75 onwards.

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1. Professor A.S. Sharma, Chairman  
Member,  
University Grants Commission
  2. Shri R.K. Chhabra,  
Secretary,  
University Grants Commission.
  3. Shri S. Biswas,  
Deputy Financial Adviser (Edn.),  
Ministry of Finance.
  4. Shri R.S. Chitkara,  
Director (U),  
Ministry of Education & Social Welfare.
  5. Professor Mohd Shabbir Khan,  
Aligarh Muslim University.
  6. Dr. Gopal Tripathi,  
Banaras Hindu University.
  7. Dr. Amrik Singh,  
Delhi University.
  8. Shri S.J.S. Ahluwalia,  
Finance Officer,  
Jawaharlal Nehru University.
  9. Shri S.K. Mukherjee,  
Finance Officer,  
Visva Bharati.
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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 14th April, 1975

Item No.2(b): To receive the items of information.

(1) Trade Plans for the year 1975 for import of equipments etc. required for the use of educational and research institutions from East European Countries.

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The Government of India have recently concluded Trade Plans for the year 1975 with East European Countries. The provision made in these trade plans for the import of items required for the use of educational and research institutions from each country is as follows:-

(Value in Rs.million)

Poland

- |    |  |     |
|----|--|-----|
| 1. | All kinds of controlling, measuring precision and other instruments & apparatus.           | 1.5 |
| 2. | Scientific instruments & apparatus for educational institutions and research laboratories. | 1.0 |
| 3. | Laboratory & optional instruments  | 1.0 |

Hungary

- |    |  |     |
|----|--|-----|
| 1. | Laboratory & testing equipment for   |     |
| a) | research & educational institutions  | 2.0 |
| b) | agricultural research educational & other institutions & organisation.         | 2.0 |
| c) | others   | 1.0 |
| 2. | a) Controlling, measuring/including thermotechnical and precision/instruments. | 6.0 |
|    | b) Nuclear laboratories & multichannel measuring system.                       |     |

P.T.O.

Czechoslovakia

Equipment & instruments, including  
Microscopes for various technical,  
scientific & educational laboratories. 2.00

G.D.R.

Instruments and apparatuses for technical,  
scientific and educational laboratories. 1.5

Romania

Laboratory scientific equipment & apparatus  
including microscopes (permissible types). 1.0

This has been brought to the notice of all the  
Universities/institutions deemed to be universities .

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'CHUGH'







Agra University (Contd.)

Affiliated Colleges

S.M. College, Chandausi.	Grant towards the loan of books to students - Setting up of Book Bank.	1st	11,250
Kishori Mal College, (Boys), Mathura.	-do-	1st	16,875
Babu Shivnath Agrawal College, Mathura.	-do-	1st	14,052
-do-	Grant to affiliated colleges - Purchase of furniture for Library.	1st	5,000
-do-	Extension of Laboratory Building, purchase of laboratory equipments and furniture.		9,600
S.M. College, Chandausi.	Construction of Non-resident students' centre.	1st	20,000
D.E.I. Engineering College, Dayalbagh, Agra .	Students' Aid Fund in the colleges-grant for 1974-75.		203
Kanya Mahavidyalaya Degree College, Barcilly.	-do-		131
C.L. Jain College, Firozabad.	-do-		203
Babu Shivnath Agrawal College, Mathura.	-do-		3,750
Narain College, Shikohabad.	-do-		3,750
Kishori Raman Girls Degree College, Mathura.	-do-		1,000
Ganjdawara College, (Distt. Etah) Ganjdundwara.	-do-		2,250
Jawaharlal Nehru College, Etah.	-do-		1,400
St. John's College, Agra.	-do-		1,524
Shri Varshmaya College, Aligarh.	-do-		5,000

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Total: 1,53,638.85

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Aligarh Muslim University

UGC Assistance for the research project entitled "Chemical studies in the indigenous medicinal and aromatic plants" submitted by Dr. G.S. Gupta, Reader, Department of Chemistry - Approval and release of grants.	2,500
UGC Assistance for the research project entitled "Adsorption and Reactions of Pesticides, Organics and Trace Metals in clays and soils" submitted by Dr. J.P. Singhal, Reader in Chemistry, - Approval of grants.	5,000
UGC Assistance for the research project entitled "Reactions of Transition Metal Halides in the Solide State", - Submitted by Dr. M.A. Beg, Department of Chemistry - Approval and release of grants.	5,000
UGC Assistance for the research project entitled "Optical spectra Electrical conductances, Densities, Viscosities, Diffusivity, Thermodynamic and Electrochemical measurements of Bolten salt systems and their technical applications submitted by Dr. Nurul Islam, Department of Chemistry - Approval and release of grant.	5,000
UGC Assistance for the research project entitled "Synthesis and use of Paenab Contact NMR Shift Reagents" submitted by Dr. Nasser Ahmed, Reader, Department of Chemistry - Approval and release of grants.	5,000
Writing of university level books/ monographs.	3,161.29
Installation of Maintenance of I.B.M. - 1130 - Computer - Purchase of Card Punches and Air Conditioners.	25,000
Studies and Research in Community Development Co-operation and Panchyati Raj Publication of Thesis of Mrs. S. Hastina.	2nd 2,000
Purchase of furniture for Warden's Room and Provosts Office and Automatic 3 KVA Voltage Corrector for Water Cooler for 375 Engineering Students Hostel.	15,425
Implementation of NCSE - Sponsored on "Development of New Teaching Methods, Materials and Aids for Physics Education at the Undergraduate level" at the Department of Physics.	30,000

Aligarh Muslim University (Contd.)

Construction of 36 Residential Quarters for class IV Staff of Hospital attached to Jawaharlal Nehru Medical College.	3rd	50,000
Purchase of Equipment for Jawaharlal Nehru Medical College.		10,000
Purchase of Equipment during Fifth Plan Period - Basic grant.		1,00,000
Publication of research works including doctoral thesis.		3,000
Purchase of books and journals under Students Amenities Programme.		40,000
Construction of kucha flood tank under the scheme removal of water logging in the Jawaharlal Nehru Medical College.	5th	2,388
Construction of Provosts House at 375 Engineering Students Hostel.		7,500
Installation of a Lift in the Building of Faculty of Arts.		1,735
Construction 12 Dupliex Lecturers quarters.		70,000
-do-		60,000
Unassigned grant during 1974-75.	2nd	15,000
Construction of 100 Women's Students Hostel.		1,00,000
Grant-in-aid for increase in Intake of the College of Engineering and Technology - Purchase of equipment.	17th	10,000
Grant-in-aid for the development of Postgraduate course in Engineering and Technology.		50,000
Starting of part-time Degree course for Diploma Holders.		9,240
Purchase of Equipment for Humanities Department.		3,740
Purchase of furniture for Common Rooms Crockery and Indoor Games under Students Amenities Programme.		4,40,000
Construction of Amenities Block (Cafeteria and meeting room for Girls and Boys) in the Faculty of Arts Building.		60,000
Junior Research Fellowships in Science Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	37,000

F.T.O.

Aligarh Muslim University (Contd.)

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology - payment of fellowship and contingency grant.	3,061.29
-do-	2,906.45
-do-	2,712.90
-do-	2,970.27
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	58,000
Awards of Scholarships for honours studies in Arabic/Persian during 1974-75.	1,200
Total:	12,38,532.20

3. Allahabad University

Purchase of Library books & journals (Humanities) during the plan period - Sanction of grant for.	75,000
Construction of 300 Boys Hostel - Sanction of grant for.	50,000
Purchase of library books & journals (Sciences) during 5th Plan period - Sanction of grant for.	75,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/research fellowships in Engineering & Technology.	2,983.57
Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology - Extension in Fellowship tenure - payment of fellowship to .	1,432.26
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers/payment of fellowship/honorarium and contingency grant.	3,061.29
Junior Research Fellowships in Science/ 3rd allocation of funds for implementation of the scheme during 1974-75.	44,000

F.T.O.

Allahabad University (Contd.)

Construction of two tube wells with overhead tank hostels - sanction of grant for.		20,000
Programme of Special Assistance to Selected Departments - Departments of Physics.		10,000
Award of F.G. Scholarships of the value of Rs.400/- p.m. to the I&II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		47,000
Grant towards the loan of books to students - Setting up of Book Banks.	1st	16,875

Affiliated Colleges

Chaudhari Mahadeo Prasad Degree College, Allahabad.	-do-	1st	16,875
Ewing Christian College, Allahabad.	Purchase of equipment, furniture and internal furnishing for Psychology.	2nd & final	8,000
Motilal Nehru Regional Engineering College, Allahabd.	Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - payment of first instalment of grant.	1st	250
Allahabad Degree College, Allahabad.	Students' Aid fund in the colleges-grant for 1974-75.		5,000
Chaudhari Mahadeo Prasad Degree College, Allahabad.	-do-		4,827
Motilal Nehru Regional Engineering College, Allahabad.	-do-		8,250

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Total: 3,88,556.12

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4. Andhra University

Programme of Special Assistance to Selected Departments - Department of Geology - Release of On account grant - regarding.	1,20,828
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Andhra University (Contd.)

Development of Engineering and Technology - Sanction of Basic grant for the purchase of library books.	1st	50,000
-do-	1st	50,000
Writing of university level books/monographs.		2,047.86
-do-		3,326.00
Payment of grant towards scholarships etc. in Departments of Psychology/Para Psychology - Fourth Plan Scheme.		10,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	53,000
-do-	3rd	34,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology - payment of fellowship and contingency grant.		2,816.75
-do-		1,264.52
-do-		1,212.90
-do-		1,212.90
Award of P.G. Scholarships of the value of Rs.400/- p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		4,85,000
UGC Assistance for the research project entitled "Studies on metal chelate compounds and their solvent extraction and catalytic activity" A.I. Postgraduate Centre, Guntur		5,000
- Approval and release of grants.		
Writing of university level books/monographs.		1,750
Establishment of Instrumentation Workshop in the Department of Physics under College Science Improvement Programme - Payment of grant-in-aid.		50,000

Affiliated Colleges

Abanindranath's College, Vizianagaram-2.	College Science Improvement Programme - Selected Colleges Project - Grant-in-aid.	2nd	80,000
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F.T.O.



Andhra University (Contd.)

Affiliated Colleges

St. Joseph's College of Education for Women, Guntur.	Students' Aid Fund in the colleges - grant for 1974-75.		675
S.R.R. & C.V.R. Govt. College, Vijayawada.	-do-		1,566
Govt. College, Rozola.	-do-		750
P.R. Government College, Kakanada.	-do-		1,876
Hindu College, Guntur.	-do-		1,977
A.M.A.L. College, Anakapalle.	-do-		2,418
Dantuluri Narayana Raju College, Bhimavaram.	-do-		3,750
Chundi Ranganayakulu College, Chilakaluripet.	-do-		672
A.S. Government College for Women, Kakinada.	-do-		1,000
Dantuluri Narayana Raju College, Bhimavaram.	College Science Improvement Programme - Selected Colleges Project - Grant-in-aid.	3rd	90,000

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Total: 10,56,142.93

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5. Annamalai University

UGC Assistance for the research project entitled "Studies on the Marine antagonistic streptomycetes", submitted by Dr. D. Chandramohan, Research Associate in Marine Microbiology, Centre of Advanced Study in Marine Biology, Portenovo - Approval and release of grants.		15,000
Centre of Advanced Study in Linguistics - Approval of Basic grant for equipment and books and journals during the Fifth Plan period.		1,10,000

F.T.O.

Annamalai University (Contd.)

Centre of Advanced Study in Marine History - Release of grants for 1974-75 - in respect of Junior Research Fellowships.		15,100
Award of P.G. Scholarships of the value of Rs.400/- p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		80,000
Financial assistance to teachers for research/learned work in Sciences - Basic grant for the purchase of library books and journals during the Fifth Plan period for development of Engineering and Technology.	2nd & final	500
Construction of building for additional facilities for undergraduate courses and for P.G. courses in Electrical Engineering.	7th	15,000
Writing of university of level books/monographs.		96.77
Development Schemes under 4th Plan period - Construction of Postgraduate Block for Humanities Department.		50,000
Development Schemes under 4th Plan period - construction of 64 women Students Hostel.		32,000
Development Schemes under 5th Plan period - Basic grant for the purchase of library books and journals for Humanities and science.		1,50,000
Development Schemes under 5th Plan period - Basic grant for the purchase of Scientific equipment.		1,50,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	26,000
Junior Research Fellowships in Science/	3rd	16,000

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Total: 6,84,696.77

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P.T.O.

6. A.P. University, Rewa.

Junior Research Fellowships in Science/ Humanities & Social Sciences - Allocation of funds for implementation of the Scheme during 1974-75.	3rd	3,000
-do-	3rd	5,000
Allocation of unassigned grant during the V Plan - Release of grant for.	2nd	10,000

Affiliated Colleges

Govt. science College, Rewa.	Purchase of laboratory equipment and library books - sanction of grant for the -	4th & final	1,485.91
-do-	Grants to college libraries for loan of books to students (Book Banks).	1st	12,000
Govt. College, Shahdol.	-do-	1st	8,000
Govt. Science College, Rewa.	Purchase of laboratory equipment - Sanction of grant for the -	2nd & final	19,938.38
-do-	Purchase of laboratory equipment - sanction of grant for the -	2nd & final	664.93
Government Degree College, Tikangarh.	Purchase of Semi-Micro Analysis equipment for Chemistry Department.	2nd & final	118.50
T.R.S. College, Rewa.	National Associateship	final	76.08
Govt. Science College, Rewa.	Grant to affiliated colleges for loan of books to students - Setting up of book bank regarding.	2nd & final	2,958.16
Janta Mahavidyalaya Rewa.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,000
Bapu Degree College, Nowgong.	-do-		690
Nehru Degree College, Burher, Shahdol.	-do-		131
Govt. Science College, Rewa.	-do-		1,151
Arts & Commerce Degree College, Manumane (Rewa).	-do-		750
Chhatrasal Govt. College, Panna.	-do-		545

Total: 67,508.96

7. Bangalore University

Junior Research Fellowships in Science/ Humanities including Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	20,000
VI All India University Urdu Teachers Conference at Bangalore for 3 days in the 3rd week of May 1975.		3,000
Establishment of Students Aid Fund in the Universities - 1974-75.	1st	15,000
Junior Research Fellowships in Science/ Humanities & Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	3rd	12,000
UGC Assistance for the research project entitled "Mossbauer Effect Study of Binary Alloys" Submitted by Doctor N.G. Puttaswamy, Reader in Physics - Approval and release of grants.		26,000
Development Schemes under - Plan Period.		10,000

Affiliated Colleges

Mount Garwal College, 58, Palace Road, Bangalore.	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	3rd	80,000
The National College, Basavangudi, Bangalore-4.	Construction of Multi storied Library Building.	4th	30,000
Evening College of Arts and Commerce, V.V. Puram, K.R. Road, Bangalore.	Students' Aid Fund to colleges for the year 1974-75.		1,060
Visveswarapur College of Arts, Science and Commerce, K.R. Road, Bangalore-4.	-do-		1,303
Vijay College, Bangalore.	-do-		1,742
M.S.S. Teachers College-1, Jalleshwaram, Bangalore.	-do-		172
Christ College, Basur Road, Bangalore.	-do-		933
Svt. Science College, Bangalore.	Grant towards the loan of books to students - setting up of book banks.	1st	11,250

Bangalore University (Contd.)

Affiliated Colleges

Vijaya College, Bangalore.	College Science Improvement Programmes - Selected Colleges Project - Grant-in-aid.	4th	50,000
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Total:	2,63,160
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8. Banaras Hindu University

Grant-in-aid for purchase of equipment for the Introduction of 5 year integrated course - College of Technology -	4th & final	10,000
Improvement of Swimming Pool, Sports and Facilities etc. under Students Amenities Programme.		1,00,000
Writing of University level books/ monographs.		1,225.81
Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology - Extension in Fellowship tenure - Payment of Fellowship to Sri T. Shiva Murthiah.		3,341.94
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.		1,934.99
-do-		1,960.65
Purchase of equipment for Hospital attached to Institute of Medical Sciences.	15th	3,00,000
Junior Research Fellowships in Science/ Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	62,000
Construction of Teachers Hostel consisting of 48 quarters.	5th	80,000
Senior/Junior Research Fellowships in Humanities including Social Sciences/ Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers/payment of fellowship/ honorarium and contingency grant.		2,970.97

Banaras Hindu University (Contd.)

Construction of two additional Warden Quarters for 212 students hostel under Students Amenities Programme.	3rd	10,000
UGC Assistance to the Research Fellowships Project entitled "Reptilian Embryology and Foetal Endocrinology" of Professor J.P. Thapliyal, Department of Zoology - Fifth Five Year Plan Period - Release of the 1st instalment of grant.		10,000
UGC Assistance for the research project entitled "Cellular proliferation and hypertrophy in developing brain - the possible effects of undernutrition". submitted by Dr. Kalluri Subba Rao, Reader in Biochemistry, Department of Chemistry, approval and release of grant.		15,000
Writing of university level books / monographs		5,357.14
Construction of Boundary Wall in the Panchkoshi area for the residence of the new Medical Enclave and Improvement of the existing Boundary wall of the Campus.	1st	1,00,000
Construction of 550 Boded Ward in S.S. Hospital attached to the Institute of Medical Sciences.	12th	20,00,000
Award of Scholarship for the students of Faculty of Oriental Learning & Theology during 5th plan period - 1974-75 (1.7.1974 to 30.6.1974).		15,600
Improvement of Watch & Ward arrangements in the -	2nd	81,959.76
Salary of Additional Staff appointed in Faculty of Education under 4th plan Development Scheme - Release of grant for the plan period (1974-75).		47,000
Senior/Junior Research Fellowships Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers/ payment of fellowship/honorarium and contingency grant.		3,074.19
-do-		3,061.29
Utilisation of services of outstanding retired teachers - payment of grant in respect of Dr. R.C. Choudhury.		3,000
-do-		3,000

Banaras Hindu University (Contd.)

Writing of university level books/ monographs.		850
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research fellowships in Engineering and Technology - Payment of fellowship and contingency grant.		3,022.58
Construction of 12 Lecturers quarters at the Institute of Medical Sciences.	6th	40,000
Construction of six Readers quarters in the Institute of Medical Sciences.	4th	20,000
Construction of a Building for out Patient Department in the S.S. Hospital attached to Institute of Medical Sciences.	11th	3,00,000
Writing of University level books/ monographs.		500
Purchase of Furniture for Dalmia Hostel under Students Amenities Programme.		35,000
Junior Research Fellowships in Sciences/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	40,000

Affiliated College

Vasanta College for Students Aid Fund in the Women, Rajghat Fort, colleges - Grant for 1974-75. Varanasi.		1,000
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Total: 33,00,859.32

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9. Bornamut University

Construction of Health Centre - 4th Plan Scheme.		50,000
Basic grant for the purchase of scientific equipment during the Fifth Five Year Plan period.		2,50,000
UGC assistance for the research project entitled "A study of four- body correlations in medium-heavy nuclei and (b) Phenomenological and Microscope studies of variation of Intrinsic shape in the ground state bands of deformed and soft nuclei and the Phenomenon of Phase transition."		4,000

Berhampur University (Contd.)

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology - Payment of Fellowship and contingency grant.		2,300
UGC Assistance for the research project entitled "Redox reactions with Ferricyanide" submitted by Professor P.S. Sathakrishnamurti, Head of the Department of Chemistry - Approval and release of grants.		8,000
Junior Research Fellowships in Sciences/ Humanities including Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	8,000
UGC Assistance for the research project entitled "Properties of Solids" submitted by Dr. P.K. Misra, Head of the Department of Physics - Approval and release of grants.		4,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	4,000

Affiliated Colleges

Khallikote College, Berhampur.	Development of Postgraduate studies in Humanities and Social Sciences.		10,000
Govt. Evening College, Berhampur.	Grant-in-aid towards the purchase of Library Books	2nd & final	1,000
Khallikote College, Berhampur.	Grants to College libraries for loan of books to students (Book Bank) during Fifth Plan.		11,000
Govt. Evening College, Berhampur.	Students' Aid Fund in the Colleges - Sanction of grant for the year 1974-75.		543
Rayagada College, Rayagada (Distt. Koraput),			750
Khallikote College, Berhampur.	College science Improvement Programme - Selected Colleges Project - Grant-in-aid.	4th	80,000

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Total: 4,33,593

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10. Bhagalpur University

Grant-in-aid for the purchase of Books & Journals - Basic Library grant to 5th Plan.			75,000
Satellite Symposium on Respiration of Amphibious Vertebrates.			2,525.63
Construction of P.G. Mathematics & Statistics Block - 5th Plan.	1st		1,00,000
Assistance for Research Project entitled "The Impact of bank financing of Agriculture in the District of Bhagalpur.	1st		5,000
Junior Research Fellowships in Science/ Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd		11,000

Affiliated Colleges

Nirmali College, P.O. Nirmali, Saharsa.	Basic Book grant to colleges	2nd & final	750
Jhajha Evening College, Jhajha, Distt. Monshvr.	-do-	2nd & final	750
Balshringar Daldeo College, P.O. Jayanagar (Madhubani, Jayanagar.	Construction of class room - Assistance for.	5th	5,000
R.D. & D.J. College, Monghyr.	Students' Aid Fund in the colleges - sanction of grant for the year 1974-75 - regarding.		1,671
Keshi College, Khagaria.	-do-		1,000
Gajadhar Bhagat College, Nangachhia (Bhagalpur).	-do-		750
Godda College, Godda, Santal Paragan.	-do-		322
Marwari College, Bhagalpur.	-do-		8,000

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Total: 2, 11,768.63

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11. Bhopal University

Travel grant to Shri Vijay Tiwari to attend 86th Annual Meeting of the American Association to Anatomists in Newyork.	1st & final	2,279.70
Travel grant to Dr.N.N.Bhandari		6,348
		P.T.O.

Bhopal University (Contd.)

Junior Research Fellowships in Science/ Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	5,000
-do-	3rd	8,000
-do-	3rd	4,000

Affiliated Colleges

I.S.S.L. Jain College, Vidisha. Government	Students' Aid Fund in the colleges - Grant for 1974-75. -do-		3,002 1,800
Shadia Arts & Commerce College, Bhopal.	-do-		1,920
Govt. Girls' Degree College, T.T. Nagar, Bhopal.	-do-		1,000
L.B.S. Mahavidya- laya, Ganj, Basoda.	-do-		2,725.81
M.A. College of Technology, Bhopal.	Senior/Junior Research Fellowships in Sciences/ Humanities including Social Sciences/Research Fellowships in Engineering & Technology/ Utilisation of services of retired teachers-payment of fellowship/honorarium and contingency grant.		2,000
Regional College of Education, Bhopal.	UGC Assistance for the research project entitled "Biochemical aspects of fish productivity and their application in Madhya Pradesh."		2,000
M.A. College of Technology, Bhopal	UGC Assistance for the research project entitled "Stress distribution in composite solids" submitted by Prof. K.N. Srivastava, Department of Mathematics, - Approval and release of grants.		17,000
Saifia College, Bhopal.	Grants to college libraries for loan of books to students (Book Banks).	1st	12,000
Motilal Vigyan Mahavidyalaya, Bhopal.	-do-	1st	

Bhopal University (Contd.)

Affiliated Colleges

Manidia Arts & Commerce College, Bhopal.	Award of Scholarships for P.G. Studies to the students belonging to Hill Areas of North Eastern Region of India during 13-4-75.	1,800
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Total:	70,875.51
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12. Bihar University

Grant-in-aid for the purchase of Books & Journals - Basic grant - 4th Plan.	1st	1,50,000
Un-assigned grant for the year 1974-75.	2nd	12,000
Junior Research Fellowships in Science/Humanities and Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
UGC Assistance for the research project entitled "Development of the air-breathing organs and oxygen utilisation in some air-breathing fishes of India" submitted by Dr. B.R.Singh, Department of Zoology - approval and release of grants.		6,500
Junior Research Fellowships in Science/Humanities & Social sciences - Allocation of funds of implementation of the scheme during 1974-75.	3rd	17,000
Grant-in-aid towards the construction of Glass Rooms for the Botany Department - 4th Plan scheme.	1st	30,000

Affiliated Colleges

M.S.S.C.College, Areraaj, Champaran.	Construction of Library Building and purchase of Books.	7th	3,000
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Bihar University (Contd.)

Affiliated Colleges

M.J.K. College, Bettish.	Students' Aid Fund in the colleges-sanction of grant for the year 1974-75 - regarding.	1,000
Gopeshwar College Hatwa (Siwan), H.P. Jain College, Arrah.	-do. Award of Scholarships for P.G. Studies to the students belonging to Hill Areas of North Eastern Region of India during 1974-75.	221 1,200
Total:		2,30,921

13. Bombay University

Workshop on Laboratory Animal held from 7th May to 17th May, 1973.		218.95
Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering & Technology including Pharmacy.		2,05,000
UGC Assistance for the research project entitled "Heavy Ion Implantation in Solids (Namely semiconductors)" submitted by Professor M.C. Joshi, Department of Physics, approval and release of grants.		15,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	44,000
Organisation of Summer Institute in English for College Teachers during 1975 - sanction of an 'on account' grant.		30,000
Basic grant for the purchase of library books & journals during 5th Plan Period (Science Department).		50,000

Bombay University (Contd.)

Centre of Advanced Study in Economics - approval of Basic grant for equipment and books and journals during the Fifth Plan period.		60,000
Basic grant for the purchase of library books & journals during 5th Plan Period (Humanities & Social Sciences including Library and Library staff).		1,60,000
Summer Institute in Solid State Chemistry for College Teachers during 1973 - sanction of IIIrd instalment of grant.	3rd	394.29

Affiliated Colleges

Dr. Datar & Dr. Behere Science, Commerce, Arts College, Chipium (Distt. Ratnagari).	Students' Aid Fund in the colleges-grant for 1974-75.	1,000
Balasaheb Beardekar College, Vengurla.	-do-	540
Sadhana College of Education, Juhu Road, Santacruz (West), Bombay.	-do-	750
R.D. National College & W.A. Science College, Lenking Road, Bandra, Bombay.	-do-	3,005
Srinivassa Sinai Dempo College of Commerce & Economics, Altinho - Panaji - Goa.	-do-	1,402
H.R. College of Commerce & Economics, Churchgate, Bombay.	-do-	4,250
R.A. Fodar College, of Commerce and Economics, Matunga, Bombay.	-do-	2,212
Goa Education Society's Dharpe College of Arts and Science, Panjim Goa.	-do-	3,750

Bombay University (Contd.)

Affiliated Colleges

Hazarimal Sonant College of Arts and Science, Bombay.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,245
Institute of Science Bombay.	Utilisation of Services of Outstanding Retired Teachers - Payment of grant in respect of.		217.55
Rolphinstone College Bombay.	-do-		3,000
Total:			5,85,984.79

14. Burdwan University

Purchase of equipment for various Science Departments - Vth Plan period.		1,13,000
Junior Research Fellowships in Sciences/Humanities & Social Sciences - Allocation of funds for implementa- tion of the scheme during 1974-75.	3rd	20,000
Payment of grant towards the establishment of the Study Centre.		27,500
Grant-in-aid for the purchase of furniture of Zoology building - IVth Plan Scheme.	2nd & final	20,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementa- tion of the scheme during 1974-75.	3rd	29,000

Affiliated Colleges

Rama Nanda College, P.O. Bishnupur, Distt, Bankura.	Students' Aid Fund in the colleges - sanction of grant for the year 1974-75 - regarding.		1,679
Hoghly Women's College, PO Hoghly.	-do-		744
Shri Vidyasagar College, P.O. Sri Dirbham.	-do-		2,311
Raja Rammohan Ray Mahavidyalaya, Rathanagar, P.O. Nangalpara, Distt. Hoghly.	-do-		472

P.T.O.

Burlwan University (Contd.)

Affiliated Colleges

Saghunathpur College, Students Welfare Programme. P.O. Raghunathpur, Distt. Purulla.	2nd & final	4,000
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Total:	2,18,706
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15. University of Calcutta

Centre of Advanced Study in Applied Mathematics - Release of recurring grants for the year 1974-75.		36,000
Implementation of N.S.S. in Universities.	1st	4,600
Development of the Computer Centre.		12,123
Award of Scholarships for postgraduate studies in Sanskrit/Pali/Prakrit during 1974-75.		1,800
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	62,000
Programme of Special Assistance to Selected Departments - Department of Pure Chemistry - Release of 'on account' grant.		55,174
UGC Assistance for the research project entitled "Molecular Biology Biophysical aspects" submitted by Professor R.K. Poddar, Physics Department, Approval and release of grants.		61,000
Programme of Special Assistance to Selected Departments - Department of Botany - release of 'on account' Non-recurring 'Equipment' grant.		1,66,000
Financial assistance to teachers in universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	1st	1,000
Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I&II year students of 1974-75, admitted against approved intake in the faculty of Engineering & Technology including Pharmacy.		1,20,000

University of Calcutta (Contd.)

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	40,000
Centre of Advanced Study in Ancient Study Indian History and Culture - Award of Junior Research Fellowship to Smt. Dipti Mahapatra.		4,000
UGC Assistance for the research project entitled "Evaluation of different antifertility agents for the control of Bandicoot Rat population" submitted by Dr. Ashok Ghosh, Reader in Zoology, Approval and release of grants.		5,000
UGC Assistance for the research project entitled "Apodisation and Optical Filtering in Partially Coherent Light" submitted by Prof. Manoranjan De, Department of Applied Physics - Approval and release of grants.		15,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research and Fellowships in Engineering and Technology - payment of fellowship and contingency grant.		3,061.29
Construction of additional science building - Payment of grant.	6th	3,00,000
Writing of university level books/monographs.		2,428.57
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers/payment of fellowship/bonogarium and contingency grant.		2,725.81
Basic grant for the purchase of Equipment during the Fifth Plan period for development of Engineering and Technology.	1st	50,000

Affiliated Colleges

Jagdish College, Calcutta.	Grants to Selected Colleges for laboratory equipment.	2nd & final	3,750
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University of Calcutta (Contd.)

Affiliated Colleges

Ram Subey College, Howrah.	Establishment of Text Book Libraries in Colleges.	3rd & final	509.98
Scottish Church College, Calcutta.	-do-	4th	1,000
Ram Mohan College, 102/1, Ram Mohan Narani, Calcutta-9.	Students Welfare Programme	2nd & final	820.39
Halla College, Belda, Distt. Midnapore, Calcutta.	Construction of Lecture Theatre under Rs.3 lakh development scheme.	4th & final	2,037
Ram Dem Motijheel Evening College of Commerce, Dum Dum, Calcutta.	Construction of additional Teaching accommodation cycle shed and tubewell and overhead tank.	3rd	30,000
Sripat Singh College, P.O. Jiaganj, Distt, Murshidabad.	Book grant to affiliated/ Government Colleges for the year 1970-72.	2nd & final	1,347
Dinabandhu Andrews College, Balshabg- hate, P.O. Garic, Distt. 24 Parganas.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant.		250
Seva-Sharati Mahavidyalaya, P.O. Kapparl, Distt. Midnapore.	Construction of additional teaching accommodation - Assistance towards.	2nd	50,000
Presidency College, Calcutta.	Travel grant in respect of Dr. A.K. Banerjee for attending the International Symposium at Varsna, Bulgaria during 18.9.74 to 25.9.74.		2,215
Tamralipta Mahavidyalaya, P.O. Tamruk Distt. Midnapore.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences - Payment of first instalment of grant.	1st	1,500
Ramakrishna Mission Sikshanamandira P.O. Belur Math (Distt. Howrah).	Development of Teachers training programmes in Teachers training colleges - Special grant for the purchase of books and journals.		2,000

University of Calcutta (Contd.)

Affiliated Colleges

Sripat Singh College, P.O. Jhaganj, Distt. Murshidabad.	Grants to colleges for laboratory equipment.	2nd & final	4,000
Ramakrishna Mission Residential College, Narendrapur, 24-Farganas.	Utilisation of Services of Outstanding Retired Teachers		1,000
Chandernagore College Chandernagore.	Payment of grant in respect of -		3,000
Allratan Sircar Medical College, Calcutta.	-do-		747.53
Asutosh College, Bhowanipur.	-do-		1,000
South Calcutta Girls' College, 72, Sarat Bose Road, Calcutta.	Grants to College Libraries for loan of books to students Book Bank during Fifth Plan.	1st	8,000
Girls' College, 5/3, Mahatma Gandhi Road, Howrah.	-do-	1st	16,000
Bangabasi Morning College, 19 Scott Lane, Calcutta.	-do-	1st	14,000
Kharagpur College, Kharagpur, Midnapore.	-do-	1st	11,000
City College, 102/1, Raja Ram Mohan Sarani, Calcutta-9.	-do-	1st	16,000
Kandi Raj College, Kandi, Murshidabad.	-do-	1st	8,000
Ran Saday College, Amta, Howrah.	-do-	1st	8,000
Sivanath Sastri College, 23/49, Gariahat Road, Calcutta.	-do-	1st	14,000
Sowanarayan Rameswar Fatopuria College, P.O. Balidanga, Murshidabad.	-do-	1st	8,000
Sree Chaitanya College, P.O. Habra - Grafullanagar, Distt-24 Farganas.	-do-	1st	14,000

Calcutta University (Contd.)

Affiliated Colleges

Bethune College, Calcutta.	Grants to college libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	8,000
Maharaja Triachandra College 20, Bankanto Bole Street, Calcutta-3.	-do-	2nd & final	4,750
Dinabandhu Instit- ution (College), Sibpur.	-do-	1st	16,000
Goenka College of Commerce and Business Adminis- tration, Calcutta.	-do-	1st	14,000
Bangabasi Evening College, Calcutta.	-do-	1st	14,000
Vivekananda College for Women, Bhrisha, Calcutta.	-do-	1st	8,000
Bidhan Chandra College, 31, G.T. Road (East), P.O. Misra (Hooghly).	-do-	1st	11,000
Anand Mohan College, 102/1, Raja Ramohan Sarani, Calcutta.	-do-	1st	14,000
Alipur Dhar College, P.O. Alipurduar, Distt. Jalpaiguri.	-do-	1st	8,000
Sri Krishna College, P.O. Bagula, Distt. Nadia.	-do-	1st	8,000
Krishnagar College of Commerce, Krishnagar, Nadia.	-do-	1st	11,000
Seth Anand Ram Jalpuria College, 10, Raja Naba Krishna Street, Calcutta-5.	-do-	1st	16,000
Maharaja Manindra Chandra College, 20- Bankanto Bose Street, Calcutta.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,464
Raja Teary Mohan College, Uttarpara.	-do-		3,637

Calcutta University (Contd.)

Affiliated Colleges

R.K. Mahavidyalaya, Kailashahar, North Tripura.	Students Aid Fund in the Colleges-Grant for 1974-75.	1,076
Dukhulal Nibaran Chandra College, Aurangabad, Distt. Murshidabad.	-do-	1,750
The Bhawanipur Education Society College, 5.L Ala Lajpat Rai Sarani, Calcutta-20.	-do-	4,250
Panskura Banamali College, P.O. Panskura R.S., Distt. Midnapore.	-do-	1,561
Bidhan Chandra College, 31, G.T. Road (East), P.O. Rishra (Hooghly).	-do-	402
Ramakrishna Mission Residential College, Narendrapura, 24- Parganas.	-do-	1,000
Midnapore College, Midnapore.	-do-	4,690.50
Dum Dum Motijheel Evening College of Commerce, Dum-Dum, Calcutta-20.	-do-	907
Karimpur Panna Devi College, P.O. Karimpur, Distt. Nadia.	-do-	1,000
Garhbeta College, P.O. Garhbeta, Distt. Midnapore.	-do-	356
Vidya Sagar College for Women, 39, Sankar Ghosh Lane, Calcutta.	-do-	837
Vivekananda College for Women, Barisha - Calcutta-8.	-do-	1,062
Arabhu Jagatbandhu College, Jerhat. P.O. Abdul Mouri, Bawarah.	-do-	862

Calcutta University (Contd.)

Affiliated Colleges

Fakir Chand College, 24-Parganas, Calcutta.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,261
Prabhu Jagatbandho College, Jherchat, P.O. Andul Mourri, Howrah.	-do-	1st	8,000
Bangabasi Morning College, 19, Scott Lane, Calcutta-9.	-do-		1,887
Bangabasi Vidyasagar College, 39, Shankar Ghosh Lane, Calcutta-6.	-do-		1,026.50
Prafulla Caandra College, 23/49, Garihath Road, Calcutta-19.	-do-		1,064
Sudhi Ranjan Lahiri Mahavidyalaya, P.O. Majdia, Distt. Nadia,	-do-		630
Sundarban Maha- vidyalaya, P.O. Kakdwip, Distt. 24-Parganas.	-do-		538
Hari Mohan Ghose College, J-206, Baharpur Road, Calcutta-24.	-do-		233
Gopal Chandra Memorial College of Education, New Barrackpore, 24-Parganas.	-do-		1,000
Sripat Singh College, Jiaganj, Distt. Murshidabad.	-do-		2,756
Berhampore Girls College, P.O. Berhampore, Distt. Murshidabad.	-do-		1,830
Midderpore College, 2, Pitamber Sircar Lane, Kidderpore, Calcutta-23.	-do-		758

Calcutta University (Contd.)

Affiliated Colleges

Sita Nanda College, P.O. Nandi Gram, Distt. Midnapore.	Students Aid Fund in the Colleges-Grant for 1974-75.	346
Rughberla Gungadhar Mahavidyalaya, P.O. Mughberia, Distt. Midnapore.	-do-	819
Seva-Bharati Mahavidyalaya, P.O. Kapagari, Distt. Midnapore.	-do-	657
Sundarban Hazi Desarat College, P.O. Pathankhali, Distt-24 Parganas.	-do-	1,000
Belda College, P.O. Belda (Rly. Station Contai Road), Distt. Midnapore.	-do-	1,000

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Total: 13,46,490.57

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16. University of Calicut

Organising a Workshop on Education for Development on 13th February, 1975.		8,000
Basic grant for the purchase of scientific equipment during the 5th Five Year Plan period.		3,00,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implemmentation of the scheme during 1974-75.	3rd	4,000
	-do-	3rd 7,000

Affiliated Colleges

Farook Training College, P.O. Calicut.	Development of teachers training programmes in teachers training colleges - Sanction - Regarding.	4th	59,596
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Calicut University (Contd.)

Affiliated Colleges

I.A.N.S.S. College, Mattanur.	Students Aid Fund in the Colleges-Grant for 1974-75.	1,000
D.S.S. College, Manjeri.	-do-	594
Sree Kerala Varma College, Trichur-4.	-do-	2,046
Govt. College, Kasaragod.	-do-	995
Sree Krishna College, Guruvayur.	-do-	993
Govt. Sanskrit College, Pattambi.	-do-	750
Christ College, Irinjalakuda.	-do-	1,920
Little Flower College for Women, Guruvayur, P.O. Tuthrinapalli.	Grant towards the loan of books to students - setting up of Book Bank.	1st 2,000

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Total: 3,88,294

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17. Cochin University

Junior Research Fellowships 3rd in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3,000
Refresher Course for College Teachers in Teaching Ancient Classics in Hindi.	9,725
Unassigned grant for the 1st year 1974-75 - Release of 1st instalment of 'on account' grant.	12,500
Junior Research Fellowships 3rd in Sciences/Humanities & Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	5,000

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Total: 30,225

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18. Delhi University

Junior Research Fellowships in Sciences/Humanities & Social Sciences - Allocation of funds-s for implementation of the scheme during 1974-75.	3rd	62,000
UGC Research Project entitled "Hormonal Regulation of Implanatation with particular referance to the Action of Estrogen and Progesterone on Nucleic Acid and Protein Synthesis in the Uterus and Blastocysts" of Professor M.N. Prasad, Head of the Department of Zoology - release of 6th instalment of grant.		25,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences -	1st	500
Writing of university level books/ monographs.		2,000
Centre of Advanced Study in Sociology - award of national scholarship for the year 1974-75.		4,450
Centre of Advanced Study in Economics - Approval of Basic grant for equipment and books and journals during the Fifth Plan period.		45,000
Centre of Advanced Study in Sociology - Approval of Basic Grant for equipment and books and journals during the Fifth Plan period.		45,000
Centre of Advanced Study in Zoology - Release of recurring grants for the year 1974-75 in respect of Senior/Junior Research Fellowships and Teacher Fellowships.		25,000
Centre of Advanved Study in Botany - Release of recurring grants for the year 1974-75 - Award National Scholarships.		7,420
Award of Scholarships for P.G. Studies to the students belonging to Hill Areas of North Eastern Region of India during 1974-75.		2,000
Award of 8-scholarships for P.G. Studies to the students belonging to Hill Areas of North Eastern Hill Region of India furing 1974-75.		2,000

-do-



Delhi University (Contd.)

Award of Scholarships for P.G. Studies to the students belonging to Hill Areas of North Eastern Region to India during 1974-75.		2,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers - payment of contingency grant.		2,000
-do-		3,081.29
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	40,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers - payment of contingency grant.		3,035.48
Award of U.G.C. Junior Research Fellowship under Area Students Programme - Miss Vijaya Arora.		1,401.95
Financial assistance to teachers in universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	1st	1,250
Development of 4.7 acres plot in Probyn Road, under Campus Development scheme.	final	28,678.38
Additional bad room on the existing terrace in the Vice-Chancellor's lodge.	1st	20,000
UGC Research Assistance for the research project entitled "Studies on the Mechanism of the Initiation Action of Some Organic Molecules Lecturer, Department of Chemistry, Approval and release of grants.		2,500
UGC Assistance for the research project entitled "Homogeneous Catalysis by Transition Metal Complexes" - Submitted by Dr. Alok Kumar Banerjee, lecturer in Chemistry, Department of Chemistry - Approval and release of grant.		2,500

Delhi University (Contd.)

UGC Assistance for the research project entitled "Co-ordination Chemistry of Trace Elements in Human Body" submitted by Dr. K.C. Pandeya, Lecturer in Chemistry, Approval and release of grants.		2,500
UGC Assistance for the project entitled "Cytogenetical studies on Rodents from the Indian Subcontinent submitted by Dr. S.R.V. Rao, Reader in Zoology, Approval and release of grants.		10,000
UGC Assistance for the research project entitled "Apparently Covalent Compounds of Highly Electropositive Elements and their applications in Biological Systems by Professor R.C. Mehrotra, Vice-Chancellor, Approval and release of grant.		70,000
Construction of a storage tank and overhead tank for Delhi University.	1st	1,00,000
Construction of Postgraduate (Men's) Students' Hostel in Gyar Hall.	5th	4,00,000
Development of Area studies relating to Japanese studies - release of grant.		20,000
U.G.C. Assistance research entitled "Hormonal Regulation of Implementation with Particular Reference to the Action of Strogen and Progesterone on Nucleic Acid and Protein Synthesis in the Uterus and "Plastocysts" of Professor M.R.N. Prasad, Hd. of the Department of Zoology - Release of 5th instalment of grant.		25,000

Affiliated Colleges

Lady Shri Ram College for Women, Lajpat Nagar, New Delhi.	Additions and alterations to the Hostel Block and construction of Warden flat - payment for the.	40,000
Hiranda House, Delhi.	Transfer of the teaching of Botany and Zoology (Houses) to the College w.e.f. 1973-74 - Purchase of laboratory equipment of the.	30,000

Delhi University (Contd.)

Affiliated Colleges

Miranda House, Delhi.	Transfer of the teaching of Botany and Zoology (Hons.) to the college w.r.f. 1973-74-Purchase of Books	8,000
Delhi School of Social Work, 3, University Road, Delhi.	Implementation of National Service Scheme.	8,000
College of Vocational Studies, 7, Doctor's Lane, Gole Market, New Delhi.	Putting removable wooden partition for short hand and type workshops room.	2,146.76
Shyama Prasad Mukherjee College for Women, Tagore Garden, New Delhi.	Introduction of Hindi in B.A. (Hons.) and Maths. in B.A. (Pass) Courses w.e.f. 1972-73 - Purchase of Library Books for the.	4,800
Maitryei College, Netaji Nagar, New Delhi.	Purchase of Library Books for B.A. (Hons.) course in Political Science and B.A. (Pass) course in Sociology.	3,000
Hans Raj College, Delhi.	Transfer of B.Sc. (Hons.) in Physics and Chemistry to college - Construction of science Block.	25,000
-do-	Construction of Science Block for B.Sc. (Hons.) in Physics and Chemistry.	20,000
Rajdhani College, Kirti Nagar, New Delhi.	Construction of College Building.	2,00,000
Kirori Mal College, Delhi.	Transfer of the teaching of Botany and Zoology (Hons.) to the college w.e.f. 1973-74 - Purchase of Laboratory equipment for the.	30,000
Indian Institute of Mass Communication, D-13, South Extension, Part-II, New Delhi.	Writing of university level books/monographs.	2,325.50
Shyama Prasad Mukherji College, Tagore Garden, New Delhi.	Purchase of Library Books for Music and instalment w.e.f. 1973-74.	6,000
Lady Irwin College, Sikandara Road, New Delhi.	Writing of university level books and monographs.	4,872.97

University of Delhi (Contd.)

Affiliated Colleges

Institute of Mass Economics, South Extension Part I, New Delhi.	Special repairs to the College Building.	8,000
Ramlal Anand College, Anand Niketan Marg, New Delhi.	Construction of Class Rooms staff room, common room and library blocks.	75,000
Vivkanand Mahila College, Gandhi Nagar, Delhi.	Purchase of a Calculating Machine.	1,150
Kirori Mal College, Delhi.	Transfer of the teaching of Botany and Zoology (Hons.) to the college w.e.f. 1973-74 - Purchase of books for the.	8,000
Shri Aurbindo Mahavidyalaya, Malviya Nagar, New Delhi.	Purchase of furniture and equipment for general use of the college.	13,438.03
-do-	Purchase of library books for the courses introduced w.e.f. 1972-73.	7,800
Hindu College, Delhi.	Grant for obtaining additional load of 5 KW power for the college building.	1,912.84
Shyama Prasad Mukherji College for Women, New Delhi.	Purchase of Library Books for the B.A. (Hons.) course in Sanskrit and B.A. (Pass) Course in Philosophy Introduction w.e.f. 1974-75.	5,000
Swami Shardhanand College, Alipur, Delhi.	Purchase of Library books for B.Com. (Pass) and (Hons.) course introduced w.e.f. 1974-75.	2,500
Hans Raj College, Delhi.	Purchase of Library Books consequent upon the transfer of teaching of Botany and Zoology (Hons.) to the college w.e.f. 1973-74.	8,000
Bhagat Singh College (Evening Classes), Govindpuri, Kalkaji, New Delhi.	Purchase of Library Books for the courses introduced w.e.f. 1973-74.	21,000

P.T.O.

Delhi University (Contd.)

Affiliated Colleges

Hans Raj College, Delhi.	Purchase of equipment consequent upon the transfer of teaching of Botany and Zoology (Hons.) to the college w.c.f. 1973-74.		30,000
Miranda House, Delhi.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences- payment of 1st instalment of grant.	1st	1,500
Maitreyi College, Netaji College, New Delhi.	Purchase of furniture for additional class rooms.		800
P.G.D.A.V. College (Evening Classes), Mandir Marg, New Delhi.	Grants to affiliated colleges of Delhi University for loan of books to students - setting up Book Bank.		11,250
Lady Shri Ram College for Women, Lajpat Nagar, New Delhi.	-do-		11,150
Deshbandhu Gupta (Evening College), Kalkaji, New Delhi.	-do-		15,000
S.G.T.B. Khalsa College (Day Classes), Delhi.	-do-		14,982
Shri Venkateswara College, Dhaura Kuan, New Delhi.	-do-		8,437
Delhi College, Ajmeri Gate, Delhi.	-do-		14,062
Lakshmi Bai College, Ashok Vihar-III, Delhi.	-do-		14,062
Bhasati Mahila College, Link Road, New Delhi.	-do-		8,437
Indraprastha College for Women, Shan Math Marg, New Delhi.	-do-		14,062

Delhi University (Contd.)

Affiliated Colleges

Shyama Prasad Mukherji College for Women, Tagore Garden, New Delhi.	Grants to affiliated colleges of Delhi University for loan of books to students - setting up Book Bank.	11,250
Gyan Devi Salwan College, Salwan School Marg, Rajender Nagar, New Delhi.	-do-	2,437
Shri Ram College of Commerce, Patel Marg, Delhi.	-do-	11,250
Ramlal Anand College (Day) Anand Niketan Marg, New Delhi.	-do-	11,250
Vivekananda Mahila College, Gandhi Nagar, Delhi.	-do-	8,438
Mata Suddri College for Women, Mata Sundri Lane, New Delhi.	-do-	11,250
Delhi College (Evening College), Ajmeri Gate, Delhi.	-do-	15,000
P.G.D.A.V. College, Nehru Nagar, Ring Road, New Delhi.	-do-	11,250
Kiriro Mal College, Delhi.	-do-	11,250
Lady Irwin College, Sikandra Road, New Delhi.	-do-	8,437
Satyawith Co-educational College, Timarpur, Delhi.	-do-	11,250
Gargi College, Lajpat Nagar, New Delhi.	-do-	11,250
Kamala Nehru College, Defence Colony, New Delhi.	-do-	14,082
Wastinapur College (Day Classes), Moti Bagh, New Delhi.	-do-	14,082

Delhi University (Contd.)

Affiliated Colleges

Rajdhani College, Kirti Nagar, New Delhi.	Grants to colleges affiliated of Delhi University for loan of books to students - setting up Book Bank.	11,250
Hastinapur College (Evening Classes), Moti Bagh, New Delhi.	-do-	11,250
Sri Arbindo College, Malviya Nagar, New Delhi.	-do-	8,438
Miranda House, Patel Chest Marg, Delhi.	-do-	22,500
Hans Raj College, Delhi.	-do-	16,875
Swami Shradhanand College, Alipur, Delhi.	-do-	11,250
Hindu College, Delhi-7.	-do-	14,062
Kirori Mal College, Delhi.	Colleges Affiliated to Delhi University - Establishment of Students Aid Fund - Payment of grant for.	2,852.80
S.G.F.B. Khalsa College (Evening Classes), Karol Bagh, New Delhi.	-do-	1,000
Shyama Prasad Mukherji College for Women, Tagore Garden, New Delhi.	-do-	2,724
Sri Venkateswara College, Dhaula Kuan, New Delhi.	-do-	2,100
Dashbandhu College, Kalkaji, New Delhi.	-do-	1,500
Central Institute of Education, 33, Chhatra Marg, Delhi.	-do-	750
Bhagat Singh College, Govindpuri, Kalkaji, New Delhi.	-do-	1,632
Miranda House, Patel Chest Marg, Delhi.	-do-	2,200

Delhi University (Contd.)

Affiliated Colleges

S.G.T.B. Khalsa College, Delhi.	College affiliated to Delhi University - Establishment of Students Aid Fund - Payment of grant for -	3,750
Dyal Singh College, (Day), Lodi Road, New Delhi.	-do-	3,250
St. Stephen's College, Delhi.	-do-	2,750
Janki Devi Mahavidyalaya, Poorvi Marg, New Delhi.	-do-	3,750
Bharati Mahila College Link Road, Karol Marg, New Delhi.	-do-	1,264
Daulat Ram College, Patel Marg, Delhi.	-do-	2,133
P.G.D.A.V. College, Nehru Nagar, Ring Road, New Delhi.	-do-	2,352
Hans Raj College, Delhi.	-do-	4,250
Vivekananda Mahila College, Gandhi Nagar, Delhi.	-do-	906
Lakshmi Bai College, Ashok Vihar-III, Delhi.	-do-	1,450
Shri Aur bindo College Malviya Nagar, New Delhi.	-do-	1,015
Lakshmi Bai College, Ashok Vihar-III, Delhi.	-do-	1,660
P.G.D.A.V. College (Evening Classes), Mandir Marg, New Delhi.	-do-	1,912

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Total: 19,49,307

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19. Dibrugarh University

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	11,000
Proposal for holding a Refresher Courses in Economics, February - March, 1975.		13,075
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementat- ion of the scheme during 1974-75.	3rd	16,000

Affiliated Colleges

Jagannath Barooah College, Jorhat.	Students Aid Fund in the colleges - Sanction of grant for the year 1974-75 - regarding.	2,250
Women's College, Tinsukia, P.O. Durgabari, (Assam).	-do-	750
Nandanath Saikia College, P.O. Tetabar, Assam.	-do-	750

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Total: 43,825

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20. Gauhati University

Basic grant for the purchase of library books & Journals during the 5th Plan period.		2,50,000
Award of Scholarships for P.G. Studies to the students belonging to Hill Areas of North Eastern Region of India during 1974-75.		2,000
-do-		2,000
Award of Scholarship for postgraduate studies in Arabic during 1974-75.		1,800
Award of Scholarships for Postgraduate studies to the students belonging to Hill Areas of North Eastern Region of India during 1974-75.		2,000
-do-		2,000
-do-		2,000
Junior Research Fellowships in Science/ Humanities & Social Sciences - Alloca- tion of funds for implementation of the scheme during 1974-75.	3rd	13,000
-do-	3rd	21,000

Gauhati University (Contd.)

Basic grant for the purchase of Scientific equipment during the 5th Plan period.	1st	3,75,000
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Affiliated Colleges

D.H.S.K. College, Dibrugarh.	Utilisation of services of Outstanding Retired Teachers - Payment of grant in respect of Dr. Jogiraj Basu, Department of Sanskrit.		3,000
Kha Manpur College, Kakching Manipur.	Book grant for 1970-71 -	2nd & final	1,125
Cotton College, Gauhati.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences - Payment of first instalment.	1st	2,500
S.S. College, P.O. Hailakandi, Dt. Cachar.	Grants to colleges for laboratory equipment.	2nd & final	4,000
Barnagar College, Sorbhog.	Grants for construction of Men's Hostel.	2nd	15,000
Hanrique Girls' College, Gauhati.	Students Welfare Programme	2nd & final	4,000
Pandu College, Pandu.	Grants to college libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	8,000
Gurugharan College, Silchar.	-do-	1st	8,000
S.S. College, P.O. Hailakandi Dt. Cachar.	-do-	1st	8,000
Gauhati College, P.O. Mamunimaidan, Gauhati.	Students' Aid Fund in the colleges-sanction of grant for the year 1974-75 - regarding.		402
Tyagbir Man Baruah College, P.O. & T.O. Jamugurihat, Jarrong.	-do-		750
Lunding College, Lunding.	-do-		300
Assam Engineering College, Gauhati.	-do-		1,750
Lakshin Kanrup College P.O. Mirza.	-do-		750

Gauhati University (Contd.)

Affiliated Colleges

Rabindrasadan Girls' College, Karimgang.	Students' Aid Fund in the colleges - Sanction for grant for the year 1974-75 - regarding.		540
Nowgong College, Nowgong.	-do-		2,250
		Total:	<u>7,31,167</u>

21. Garhwal University

Affiliated Colleges

Dayanand Brijendra Swarup College, Dehradun.	Grant towards the loan of books to students-setting up of Book Bank.	1st	11,250
Dayanand -do-	Students Aid Fund in the colleges-Grant for 1974-75.		1,216
-do-	-do-		104
D.A.V. College, Dehradun.	Setting up of Career Advising Units in Colleges - Payment of Ad-hoc grant of Rs.500/- regarding.		500
		Total:	<u>12,810</u>

22. G.B.Pant University of Agriculture & Technology

Senior/Junior Research Fellowships in Sciences - Payment of contingency grant.	564.5
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Total: 564.5

23. Gorakhpur University

Utilisation of Services of Outstanding Retired Teachers - Payment of grant in respect of Dr. R.N. Verma, Department of English.		3,000
Unassigned grant for the year 1974-75 - sanction of grant for.		10,000
Purchase of Scientific Equipment during IVth plan period - sanction of grant for.		1,00,000
Purchase of library books and journals (Science) during 5th plan period - sanction of grant for (Basic Grant).		50,000
Junior Research Fellowships in Science/Humanities & Social Science - Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
Indo-USSR Cultural Exchange Programme - Requirement of Russian Languages Teacher for 1972-73 and 1973-74 - Reijbursement of salary.		3,953.96
Junior Research Fellowships in Science - Allocation of funds for implementation of the scheme during 1974-75.	3rd	17,000
Purchase of library books and journals (Humanities) during 5th plan period - Sanction of grant for (Basic Grant).		50,000
UGC Assistance for the research project entitled "Shock Waves in a dusty medium" submitted by Dr. C.S. Srivastava, Department of Mathamtics - Approval and release of grants.		1,500
UGC Assistance for the research project entitled "Theumodynamic Studies on Membrane Phenomena" submitted by Prof. R.P. Rasogi, Head of the Department of Chemistry - Approval and release of grants.		5,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers - payment of fellowships/honorarium and contingency grant.		2,983.87

Gorakhpur University (Contd.)

Affiliated Colleges

Shri Lal Bahadur Shastri Degree College, Gonda.	Students' Aid Fund in the colleges-Grant for 1974-75.	2,250
Sakaldiha Degree College, Sakaldina (Varanasi).	-do-	1,750
Shri M.R. Das Mahavidyalaya, Bhikrura (Distt. Ghazipur).	-do-	750
Govardhandas Binani Mahavidyalaya, Murzapur.	-do-	1,000
Madan Mohan Malviya Degree College, Kalakankar (Dt. Pratapgarh).	-do-	1,000
P.B. Degree College, Pratapgarh.	-do-	1,000
S.B.R. Degree College, Bobhi, Distt. Jaunpur).	-do-	2,250
Baba Raghava Das Bhagwan Das Degree College, Ashram Berhaj, Deoria.	-do-	750
Sant Vinoba Degree College, Beoria.	-do-	1,653
Hiralal Ram Niwas Degree College, Khalilabad (Basti).	-do-	1,750
Buddha P.G. College, Kushinagar (Distt. Deoria).	-do-	3,750
M.L.K. College, Balrampur (Distt. Gonda).	-do-	3,750
Kisan Degree College, Bahraich.	-do-	2,250
Dayanand Degree College, Gorakhpur.	-do-	1,426
Janta Degree College, Ranipur (Distt. Azamgarh).	-do-	750
Nagrik Degree College, Janghai (Distt. Jaunpur).	-do-	1,750
Janta Degree College, Ranipur (Distt. Azamgarh).	Construction of Non-Resident Students' Centre.	3rd & final
		5,000

Gorakhpur University (Contd.)

Affiliated Colleges

B.N.K.B. Degree College, Akbarpur (Distt. Faizabad).	Construction of Library Building and purchase of furniture.	4th	23,000
Degree College, Ghaziapur.	Construction of Additional Laboratories and Lecture Rooms.	2nd	60,000
K.S. Saket Post-graduate College, Faizabad.	Students' Welfare Programme	2nd & final	6,000
Madan Mohan Malviya Engineering College, Gorakhpur.	Writing of university level books/monographs.		2,000
M.M.M. Degree College, Bhatpur Rani, Deopia.	Construction of Gymnasium Building.	final	4,155
St. Andrew's College, Gorakhpur.	Grant towards the loan of books to students-setting up of Book Bank.	1st	16,875
Digvijai Nath Degree College, Gorakhpur.	-do-	1st	8,437
Raja Harpal Singh Degree College, Singrauli (Distt. Jaunpur).	-do-	1st	8,437
Sant Vinoba Degree College, Deoria.	-do-	1st	14,062
Degree College, Ghazipur.	-do-	1st	16,875
Shibli National College, Azamgarh.	-do-	1st	14,062
B.N.K.B. Degree College, Akbarpur (Faizabad).	-do-	1st	8,437
Udai Pratap College, Varanasi.	-do-	1st	16,875
Ranvir Rananjaya Degree College, Amethi. (Sultanpur).	-do-	1st	8,437

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Total: 4,93,918.83

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24. Gujarat University

Basic grant for the purchase of scientific equipment during the 5th Five Year Plan Period.		70,000
Writing of university level books/monographs.		1,500
Conference for giving reorientation to the teaching of Sanskrit on the lines of traditional discipline and in the context of the development of Modern Indian Language during 1975-76.		2,000
Scheme of Visiting Studentships for 1972-73 - Sanction of grant for.		2,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	13,000
Junior Research Fellowships. in	3rd	21,000
-do-		
Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period.		2,50,000
Construction of Service Centre - Sanction of grant for.		26,000
A Conference of Directors of Sports in Indian Universities at Ahmedabad in the Second or Third week of May 1975 for two days.		3,000
Award of Scholarship for P.G. Studies in Sankrit/Pali/prakrit during 1974-75 to Km. P.K. Mankad - regarding.		1,300
UGC Assistance for the research project entitled "Phytochrome and photomorphogenic reactions in the control of photomorphogenesis in Plants" submitted by Dr. M.M. Laloraya, Reader in Botany - Approval and release of grants.		3,000
Construction of Gymnasium.	1st	75,000

Affiliated Colleges

St. Xavier's College, Ahmedabad.	Financial assistance for the purchase of Chank Boards.	1st & final	1,240
M. J. Shah Commerce & B. J. Patel Arts College, Mabudha (Distt. Kaira).	-do-	final	769.81

Gujarat University (Contd.)

Affiliated Colleges

Shri Natvarsinhji Arts & Science College, Chhota - Udaipur.	Construction of Men's Hostel.	final	1,375
Tolani College of Arts and Science, Adipur.	Financial assistance for the purchase of water cooler.	final	500
N.L. College of Commerce, Post Box No.4020, Navrangpura, Ahmedabad.	Expansion of Library facilities.	4th	7,000
C.N. Arts & B.D. Commerce College, Kadi.	Grant to colleges under Student Welfare Programme	2nd & final	2,500
College of Education Medhora (Kudch), Gujarat.	Development of teachers training programmes in teachers training colleges - Class board scheme regarding.		1,400
Saraspur Arts and Commerce College, Murzapur Road, Ahmedabad.	Grants to colleges libraries for loan of books to students (Book Bank).	1st	12,000
N.C. Bodiwala Commerce College, Ahmedabad.	-do-	1st	20,000
Shri S.K. Shah & S.K. O.M. Arts College, Modasa Gujarat.	-do-	1st	8,000
Gujarat Law Society Arts College, Ellisbridge, Ahmedabad.	-do-	1st	8,000
Patel J.B. Rudolwala Arts College & Patel A.M. Rudolwala Commerce College, Borsad (Distt. Kaira).	-do-	1st	8,000
Shri BR Brahambhatt Arts & M.N. Guru Commerce College, Unjha.	-do-	1st	8,000
Sardar Vallabhbhai Arts College, Relief Road, Ahmedabad.	-do-	1st	8,000



Gujarat University (Contd.)

Affiliated Colleges

Shri Sahajanad Arts & Commerce College, Ahmedabad.	Grants to College Libraries for loan of books to students (Book Banks).	1st	8,300
W.L. College of Commerce, Post Box No.4020, Navrangpura Ahmedabad.	-do-	1st	12,000
Ahmedabad Science College, Geekanta Road, Ahmedabad.	-do-	1st	8,000
Ahmedabad Commerce College, Geekanta Road, Ahmedabad.	-do-	1st	12,000
Navgujarat Arts College, Ashram Road, Ahmedabad.	-do-	1st	11,500
J & J College of science, Nadiad Distt. Kaira.	-do-	1st	8,000
City Arts College, Lal Darwaja, Ahmedabad.	-do-	1st	8,300
Minicipal Arts & Commerce College, Mchsana.	-do-	1st	8,500
M.G. Science Institute, Navrangpura, Ahmedabad.	-do-	1st	11,500
C.U. Shah Commerce College, Ashram Road, Ahmedabad.	-do-	1st	11,500
W.A. College of Commerce, Ahmedabad.	-do-	1st	12,000
Navgujarat Commerce College, Ashram Road, Ahmedabad.	-do-	1st	11,500
L.D. Arts College, Navrangpura, Ahmedabad.	-do-	1st	8,000
Sardar Vallabhai Commerce College, Relief Road, Ahmedabad.	-do-	1st	12,000
G.L.S. College for Girls, Lal Darwaja, Ahmedabad.	-do-	1st	8,000

Gujarat University (Contd.)

Affiliated Colleges

Shree Harivall abhadas Kalidas Arts College, R.C. Road, Ahmedabad.	Grants to college libraries for loan of books to students (Book Banks).	1st	12,000
Seth M.N. Science College & Shri & Smt. Peenamchand Karamchand Kotawala Arts College, Fatan.	-do-	1st	8,000
City Commerce College, Lal Darwaja, Ahmedabad.	-do-	1st	11,500
R.L. College of Commerce, Post Box No.4020, Navrangpura, Ahmedabad.	-do-	1st	3,000
Patel J.B. Rudelwala Arts College and Patel A.M. Rudelwala Commerce College, Borsad.	-do-	2nd & final	3,250
Sheth Shri C.M. Commerce College, Visnagar, North Gujarat.	Students Aid fund in the colleges-Grant for 1974-75		1,000
Navgujarat Commerce College, Ahmedabad.	-do-		3,300
U.P. Arts College & Smt. N.G.P. Sc. College, Pilvai, Gujarat.	-do-		579
G.L.S. Arts College for Girls, Lal Darwaja, Ahmedabad.	-do-		2,750
Sheth T.C. Kapadia Arts College, Beldli.	-do-		926
S.R.P. Arts & S.K.B. Commerce College, P.B. No.20, Cambay, Gujarat.	-do-		1,750
Shri Sarlai Kasturbas Shah & Shri Krishan M. Arts College and Shri Hiralal Shah College of Commerce, Modasa.	-do-		3,474

Gujarat University (Contd.)

Affiliated Colleges

Shri C.N.P.F Arts College and D.N.Sc. College, Sabhoi, Gujarat.	Students' Aid Fund in the colleges-Grant for 1974-75	1,076
L.N. College of Pharmacy, P.B.No. 4011, Ahmedabad.	-do-	1,488
J.J. College of Science, Nadiad. Ahmedabad.	-do-	829
Sheth M.N. Science College and Shri & Smt. F.K.K. Arts College, Patan (Gujarat).	-do-	1,750
Sheth R.A. Degree College of Arts and Commerce, V.N. Road, Khanpur, Ahmedabad.	-do-	2,250
R.B. Sagar College of Education, Jaybhikhakhumarg, Faldi, Ahmedabad.	-do-	400
St. Xavier's College, Ahmedabad.	-do-	2,250
Banaskantha Arts and Science College, Palanpur (North Gujarat).	-do-	1,000
M.S.S. Commerce & B.D.F. Arts College, Mahudha (Kaira), Gujarat.	-do-	607
C.B. Patel Arts College, Nadiad.	-do-	1,017
L.J. Arts College, Navrangpura, Ahmedabad.	-do-	2,250
Shree H.K. Arts College, R.C. Road, Ahmedabad.	-do-	2,294
Shri B... Shah College of Education, Modasa (Gujarat).	-do-	244
Shree Swaminarayana Arts College, Behind Toll Naka, Gastu Mandir Road, Ahmedabad.	-do-	1,750

Gujarat University (Contd.)

Affiliated Colleges

Saraspur Arts and Commerce College, Mirzapur Road, Ahmedabad.	Students' Aid Fund in the colleges-Grant for 1974-75.	3,250
M.S. Bhagt & C.S. Sonawala Law College, Nadiad (Kaira).	-do-	322
S.V. Arts College, Relief Road, Ahmedabad.	-do-	3,250
Shah Chandulal Kasturchand Municipal Commerce, College, Kalol (North Gujarat).	-do-	1,000
Secodry Teachers Training College, Near Vatant Bus Stand, Sarkhej Road, Ahmedabad.	-do-	441
Vivekanand College of Commerce, Vovkanand Road, Malpur Darwaja, Ahmedabad.	-do-	3,350
City Commerce College, Lal Darwaja, Ahmedabad.	-do-	2,750
C.N. Arts & B.D. Commerce College, Kadi.	-do-	750
Shri Sahajanand Arts & Commerce College, Ahmedabad.	-do-	2,750
I.V. Patel College of Commerce, Nadiad.	-do-	2,014
H.A. College of Commerce, Ellia Bridge, Ahmedabad.	-do-	2,750
S.V. Commerce College, Relirf Road, Ahmedabad.	-do-	3,750
Y.S. Arts & S.W.S.S. Commerce College, Devgadharla, Gujarat.	-do-	1,750
S.H.K.Commerce College, Ashram Road, Ahmedabad.	-do-	1,750

Gujarat University (Contd.)

Affiliated Colleges

	Students' Aid Fund in the colleges-Grant for 1974-75.	
Sheth V.S. Lal College, Unjha, (North Gujarat).		354.50
Shri R.K.P. Arts and Shri M.K.P. Commerce College, Petlad, Gujarat.	-do-	1,750
M.C. Sodiwala Commerce College, Ahmedabad.	-do-	2,750
College of Education P.B. No.21, Petlad, (Kaira), Gujarat.	-do-	470
Kapadia N.M.M.S. Arts College, Sankheda (Baroda), Gujarat.	-do-	378
Navgujarat Arts College, Ashram Road, Ahmedabad.	-do-	2,750
Shree Swaminarayana Science College, Behind Municipal Toll Aaka, Goeta Mandir Road, Ahmedabad.	-do-	993
H.L. College of Commerce, B No. 4020, Navrangpura, Ahmedabad.	-do-	1,875
P.E.S.S. Sheth D.L. Arts Law College, Murzapur Road, Buj Kutch, Gujarat.	-do-	550
Municipal Arts and Commerce College, Mehsana.	-do-	2,250
S.S. Mehra Arts & M.M. Patel Commerce College, Vinatnagar.	-do-	2,750
Vivekanand College of Commerce & Law, Raipur Barwaja, Ahmedabad.	-do-	3,750
Sir T.T. Science College, Mehsana.	-do-	800

P.T.O.

Gujarat University (Contd.)

Affiliated Colleges

Vivkanand College of Arts, Ahmedabad.	Students' Aid Fund in the Colleges-Grant for 1974-75.	3,432
Moti Lal Nehru Law College, Relief Road, Ahmedabad.	-do-	1,560
Vivkanand College of Education, Jaipur Darwaja, Ahmedabad.	-do-	250
City Arts College, Lal Darwaja, Ahmedabad.	-do-	3,250
Navjivan Arts and Commerce College, Jhalod Road, Dahod (Gujarat).	-do-	1,552

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Total: 8,37,770.31

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25. Gujarat Agriculture University

Affiliated College

B.A. College of Agriculture, Anand.	-do-	1,320
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Total: 1,320

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26. Guru Nanak University

Establishment of Students Aid Fund in Universities - 1974-75.		22,000
Employment of Trained Coaches in the Universities.		7,000
Unassigned grant for 1974-75	2nd	10,000
Junior Research Fellowships in Science and Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	3,000

P.T.O.

Guru Nanak University (Contd.)

Junior Research Fellowships in Science/ 3rd Humanities & Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	6,000
Basic grant for purchase of library books & journals during the Vth plan period.	30,000
Senior/Junior Research Fellowships in Sciences - payment of fellowship and contingency grant.	2,983.87
UGC Assistance for the research project entitled "Studies in the interaction of metal ions with model biological molecules" submitted by (Professor S.S. Sandhu, Head of the Department of Chemistry - Approval and release of grant.	5,000
Salaries of Staff for the Health Centre - during Vth Plan period.	5,000

Affiliated Colleges

Lyallpur Khalsa College, Jullundur.	Students' Aid Fund in the Colleges-Grant for 1974-75.		2,750
Hindu Kanya College, Kapurthala.	-do-		750
Kangarhia College of Education, Satnampura, Jhansi.	-do-		750
Guru Nanak Nav-Bharat College, Narur Fanchhat (Dist. Kapurthala).	-do-		750
Lyallpur Khalsa College, Jullundur.	Grant towards-the loan of books to students-setting up of Book Banks.	1st	11,250
Kanya Mahavidyalaya, Jullundur.	-do-	1st	8,437
Baring Union Christian College, Batala.	-do-	1st	8,437
Soaba College, Jullundur.	-do-	1st	11,250
M.A.V. College for Women, Amritsar.	-do-	1st	11,250
Hansraj Mahila Mahavidyalaya, Jullundur.	-do-	1st	14,062
Guru University Evening College, Jullundur.	-do-	1st	8,437

Guru Nanak University (Contd.)

Affiliated Colleges

Khalsa College, Amritsar.	Grants towards the loan of books to students-setting up of Book Banks.	1st	14,062
Rangarhia College, Phagwara.	-do-	1st	8,437
Khalsa College, Amritsar.	Development of Postgraduate Studies in the Humanities and Social Sciences.		12,000
Modern College for Women, The Mall, Amritsar.	Grants to college for programme of students' welfare - payment of balance grant of Rs.2,000/-	2nd & final	2,000
Rangarhia College, P.O. Satnampura, Phagwara.	-do-	2nd & final	3,000
Total:			2,08,605.87

27. Haryana Agriculture University

Affiliated College

College of Vet. Medicine, Hissar.	Students' Aid Fund in the colleges-Grant for 1974-75.		750
Total:			750

28. Himachal Pradesh University

Purchase of books & Journals for Humanities and Science Department during Vth Five Year Plan.			1,50,000
Students' Aid Fund 1974-75			2,000
Senior/Junior Research Fellowships in Sciences - Payment of fellowship and contingency grant.			3,061.29
-do-	3rd		6,000
-do-	3rd		3,000
Total:			1,64,061.29

F.T.O.



29. Hyderabad University

Payment of grant to -	2nd	8,00,000
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Total:		8,00,000
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30. Indore University

Recurring grant for salaries of additional staff approved for the department of Education under Teachers Training Exchange during 4th Plan.		10,000
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Recurring grant for salaries of additional staff during 5th Plan towards the staff approved for the Department of Education during IV Plan.		30,000
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Extension of Science block - building 4th for the Department of Life Sciences.		14,000
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UGC Assistance for the research project entitled "Effective Interaction in Nuclei and Realistic Interactions" submitted by Dr. P.K. Joshi, Reader, Department of Physics		7,500
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- Approval and release of grants.		
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Construction of Library Building		1,00,000
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Junior Research Fellowships in Science/Humanities and Social sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	17,000
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-do-	3rd	12,000
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Recurring grant for part-time P.G. Diploma course in Business Management.	final	5,353.65
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Establishment of Students Aid Fund in the Universities grant for 1973-74.		5,000
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Affiliated Colleges

Government Arts & Commerce College, Indore.	Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences - payment of fellowship/honorarium and contingency grant.	2,996.77
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Indore University (Contd.)

Affiliated Colleges

Government Arts & Commerce College, Indore.	Award of Scholarships for P.G. Studies to the students belonging to Hill Areas of North Eastern Region of India during 1974-75 -		1,800
Shri G.S. Institute of Technology & Science, 17, Park Road, Indore.	Students' Aid Fund in the colleges-grant for 1974-75.		2,250
Holkar Science College, Indore.	-do-		1,567
G.S. Institute of Technology & Science, Indore.	Travel grant to Prof. K.K. Murthy for attending world Energy conference held at Detroit (USA) - Sanction of grant for.	final	3,471.50
Government Girls' Postgraduate College, Moti Tabela (Indore).	Grants to College Libraries for loan of books to students (Book Banks).	1st	17,000
Government Arts & Commerce College Indore.	-do-	1st	12,000
<b>Total:</b>			<b>2,41,938.92</b>

31. Indira Kala Sangect Vishwavidyalaya

Purchase of furniture & equipment for library - sanction of grant for.	3rd	20,000	
Purchase of books, journals and manuscripts - sanction of grant for.	4th	10,000	
Construction of Library Building - release of grant for.		50,000	
Unassigned grant for 1974-75.	1st & final	25,000	
Development Scheme - Purchase of Equipment including Musical Instruments.	2nd	10,000	
Purchase of Tapes and Records.		10,000	
Development Schemes - Purchase of Equipment for sound Laboratory.		5,000	
<b>Total:</b>			<b>1,30,000</b>

32. Jabalpur University

Basic grant for the purchase of scientific equipment during the 5th Five Year Plan period.		50,000
Junior research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	20,000
	-do-	
UGC Assistance for the research project entitled "Redox Polymerizations" - submitted by Prof. G.S.Misra Department of Chemistry, Approval and release of grants.	3rd	14,000
Establishment of study centre		5,000
		10,000

Affiliated Colleges

Hawabagh Women's College, Jabalpur.	Grants to affiliated colleges libraries for loan of books to students (Book Banks).	1st	8,000
C.P. Mahila Mahavidyalaya, Jabalpur.	Students Aid Fund in the colleges-grant for 1974-75		426
G.S. College of Commerce & Accounts Jabalpur.	-do-		3,750
M.B. College of Home Science for Women, Jabalpur.	-do-		2,907
Navyug Arts and Commerce College, Jabalpur.	-do-		204
Government Tilak Mahavidyalaya, Katni.	-do-		426
St. Aloysius College, Jabalpur.	-do-		1,750
Government science College, Jabalpur.	-do-		3,442
Katni Mahila Mahavidyalaya, Katni.	Purchase of laboratory equipment - sanction of grant.	2nd & final	1,300

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Total: 1,21,205

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\* Jadavpur University

Grant-in-aid towards the constructed of 32 sub-staff quarters - 4th Plan.	2nd	25,000
Award of P.G. Scholarships of the value of Rs.400/- p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		3,45,000
Construction of Gymnasium.	1st	25,000
Junior Research Fellowships in Science/Humanities & Social Sciences - allocation of funds for implementation of the scheme during 1974-75.	3rd	13,000
-do-	3rd	21,000
Grant-in-aid for the purchase of equipment for 5 year integrated course in Metallurgy (Basic grant).	8th	3,40,000
UGC Assistance for the research project entitled "Isolation and studies on the structure and bonding some biologically active metal complexes with special reference to their fungicidal and mosquito - sterilising properties" - submitted by Dr. Rangopal Bhattacharyya, Lecturer, Department of Chemistry - Approval and release of grants.		3,000
UGC Assistance for the research project entitled "Studies on Electroly solutions in Nonsuccous Media - Equilibrium properties and reaction rates". - submitted by Professor M.N. Das and Dr. K.K. Kundu, Department of Chemistry - Approval and release of grants.		5,000
UGC Assistance for the research project entitled "Photochemistry of Biologically important Molecules" - submitted by Prof. K.K. Rahatgi - Mukherjee, Department of Chemistry - Approval and release of grants.		15,000
UGC Assistance for the research project entitled "A Molecular Orbital Study of the bonding of some simple Organometallic Compounds" submitted by Dr. Sanjan Kumar Datta, Lecturer in Chemistry, Approval and release of grants.		3,000

Jabalpur University (Contd.)

UGC Assistance for the research project entitled "Studies on the Chemistry of Isothiarole Ring Systems" - submitted by Dr. K.K. Mahalanabis, Lecturer, Approval and Release of grants.		2,500
UGC Assistance for the research project entitled "Investigation on Mucine" - submitted by Dr. Amalendu Das, Reader, Department of Chemistry - Approval and Release of grants.		2,000
Unassigned grant for the year 1974-75.	1st	25,000
Payment of Unassigned grant for 1973-74.	2nd & final	13,000
Grant-in-aid for the purchase of books and journals - basic grant 5th Plan.	1st	1,50,000
Basic grant for the purchase of scientific equipment during 5th Plan.		2,50,000
Grant-in-aid towards the construction of Girls Hostel - 4th Plan.	5th	50,000
UGC Assistance for the research project entitled - "Investigation on Mucine" - Submitted by Dr. Amalendu Das, Reader, Department of Chemistry - Approval and Release of grants.		2,000
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Total:		12,89,500
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34. Jammu University

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	7,000
- 10 -		
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers - payment of fellowships/honorarium and contingency grant.	3rd	12,000 3,061.29
Establishment of Students Aid Fund in the University grant for the year 1974-75.		15,490

Jammu University (Contd.)

Basic Grant for the purchase of books and journals during fifth plan period.	75,000
Basic grant for the purchase of Equipment during 5th Plan period.	50,000

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Total: 1,62,551.29

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35. Jawaharlal Nehru University

Senior/Junior Research Fellowships Sciences/Humanities including Social Sciences/Research in Fellowships Engineering & Technology/Utilisation services of retired teachers - payment of fellowship/honorarium and contingency grant.	3,074.19
-do-	4,687.10
Construction of 72 quarters for faculty staff in Sec. I of the J.L.Nehru Campus.	12th 10,00,000
Establishment of Students' Aid Fund in Universities 1974-75.	6,536.23
Furnishing of a Joint Guest House for use by the Guests of U.G.C., I.C.U.R. ICSSR & J.N.U.	1,00,000
Purchase of Furniture and Reprographic equipment for development of library of Jawaharlal Nehru University during 1974-75.	final 31,327.05
Development of the Library of the Jawaharlal Nehru University - Purchase of Library furniture.	1,50,000

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Total: 12,95,624.57

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36. J.L.Nehru Technological University

Affiliated Colleges

Regional Engineering College, Warangal.	National Associateship Scheme.	500.75
-do-	Seminar on Developments in Traffic and Transportation during 8th to 10th February, 1975.	5,000

P.T.O.

JL Nchru Technological University(Contd.)

Affiliated Colleges

Regional Engineering College, Warangal.	UGC Assistance for the research project entitled "Development of systematic automatic Design programme for two-component and three component objectives with special emphasis on photographic systems" submitted by Professor V.Venkateswara Rao, Department of Physics, Regional Engineering College, approval and release of grants.	3,000
-do-	UGC Assistance for the research project entitled "Digital Electrometer" submitted by Dr. A.Alluriah Assistant Professor, Department of Physics - Approval and release of grants.	14,000
Total:		22,500.75

37. Jiwaji University

Assistance for research project entitled "Archaeology of the Ramayana sites".		40,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	16,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of fellowships/honorarium and contingency grant.		3,061.29
Junior Research Fellowships in Sciences & Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	11,000
Allocation of unassigned grant during the V Plan - Release of grant for.		12,500
Construction of a building for Science Block.		30,000

Jiwai University (Contd.)

Affiliated Colleges

Government science College, Gwalior.	Senior/Junior Research Fellowships in Sciences/Humanities and including Social science Sciences/Research Fellowships in Engineering & Technology- payment of fellowships and contingency grant.		4,273.33
Shrimant Vijaya Raje Sciendia Degree College, Adokhar.	Assistance for the purchase of Laboratory Equipment (Cent-per-cent grant).	2nd & final	1,300
Kamala Raja Girls' College Gwalior.	Grants to colleges libraries for loan of books to students (Book Bank).	2nd & final	5,500
-do-	-do-	1st	17,000
Shrimant Vijaya Raje Sciendia Degree College, Adckas (Distt. Bhind).	Grant to colleges under student welfare programme.	2nd & final	2,500
Total:			1,43,134.62

38. Jodhpur University

Scheme of Visiting Studentship: for 1972-73.			352
Allocate of unassigned grant during the V Plan - Release of grant for.	1st		20,000
Construction of Vice-Chancellor's Residence - Sanction of grant for.			42,700
Grant-in-aid towards the construction of teachers hostel.	final		2,957.78
Construction of triple seated hostel for 105 students.			45,000
UGC Assistance for the research project entitled "Kinetics of Oxidations by metal ions - Submitted by Professor R.C. Kapoor, Head of the Department of Chemistry - Approval and release of grants.			4,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75	3rd		16,000
-do-	3rd		11,000



Jodhpur University (Contd.)

UGC Assistance for the research project entitled "Physical properties and industrial applications of transition metal soaps" submitted by Dr. K.N. Mehrotra, Reader, Department of Chemistry, approval and release of grants.		2,500
Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology - Extension in Fellowship tenure - payment of fellowship to -		1,453.06
Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period (Science Departments).	2nd	30,000
Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period (Humanities Departments).	2nd	70,000
Establishment of Students Aid Fund in Universities - 1974-75.		23,000
<b>Total:</b>		<b>2,78,962.84</b>

39. Kalyani University

Grant-in-aid towards the construction of Arts Faculty Building - 3rd Plan Project.	6th & final	39,605
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	51,000
Development of Scientific Education and Research - purchase of furniture for the Science Departments - 4th Plan.		5,390
UGC Assistance for the research project entitled "Photoelectrical properties of Cis Solar Cells" Submitted by Dr. H. Saha, Lecturer, Department of Physics, Approval and release of grants.		23,000
Junior Research Fellowships in Science Humanities & Social Science-Allocation of funds for implementation of the scheme during 1974-75.	3rd	16,000
-do-	3rd	11,000
<b>Total:</b>		<b>1,45,995</b>

40. K.S. Darbhanga Sanskrit University

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementa- tion of the scheme during 1974-75.	3rd	6,000
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Total:		6,000
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41. Kanpur University.

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementa- tion of the scheme during 1974-75.	3rd	11,000
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-do-	3rd	16,000
Junior Research Fellowships in Sciences/Humanities and Social sciences - Implementation of scheme during 1975-76.	1st	51,000

Affiliated Colleges

Acharya Marendra Deva Mahapalika, Mahila Mahavidyalaya, Barsbagar, Kanpur.	College Science Improvement Programme - Selected Colleges Project: Grant-in- aid.	2nd	50,000
Dayanand Girls' College, Civil Lines, Kanpur.	Utilisation of services of retired teachers - payment of grants in respect of Prof. P.L. Chaudhary.		4,000
Jawala Devi Vidyamandir Degree College, Kanpur.	Purchase of Equipment, furniture and books.	3rd & final	4,834
Feroze Gandhi College, Rae-Bareilly.	Grants to colleges for the students' Welfare Programme 1970-71.	2nd & final	1,186.95
Pt. Jawaharlal Nehru College, Banda.	Grant towards the loan of books to students-setting up of Book Banks.	1st	11,250
Government P.G.College Pithoragarh.	-do-	1st	8,437
D.S.B.Government College, Nainital.	-do-	1st	14,062
J.L. Nehru Memorial Degree College, Sarabanki.	students' Aid Fund in the colleges-grant for 1974-75.		1,000
Dayanand Subhash National College, Unnao.	-do-		3,750

Kanpur University (Contd.)

Affiliated Colleges

Juhari Devi Girls' College, Kanpur.	Students' Aid Fund in the Colleges-Grant for 1974-75.	1,750
Christ Church College Kanpur.	-do-	3,750
Mahila Mahavidyalaya, Kidwai Nagar, Kanpur.	-do-	1,750
N.A.K.F. Degree College, Farrukhabad.	-do-	750
Bundalkhand College, Jhansi.	-do-	3,840
V.S.S.D. College, Kanpur.	-do-	4,394
Iswar Saran Degree College, Allahabad.	-do-	402
D.A.V. College, Kanpur-1.	-do-	5,000

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Total: 1,98,155.95

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42. Karnatak University

Payment of salaries to 4th Plan additional staff for science departments.		50,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	22,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers - payment of fellowships/honorarium and contingency grant.		3,061.29
Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology-Extension in Fellowship tenure - Payment of Fellowship to -		4,200
-do-		2,919.35
Junior Research Fellowships in Science Humanities & Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	3rd	35,000

Karnatak University (Contd.)

UGC Assistance for the research project entitled "Cytotaxonomical and cytochemical studies of Orchids" submitted by Dr. S.M. Jorapur, Department of Botany - Approval and release of grants.		4,000
UGC Assistance for the research project entitled "Development of Student laboratory experiments in Nuclear Physics (2) Polaximadion effects on the energy lose of electrons" by Dr. N. Gackaptha, Reader in Physics - Approval and release of grants.		15,000
Writing of University level books/monographs.		1,093.55
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.		1,20,000
Purchase of Library books under Basic grant - Fifth Five Year Plan.	1st	50,000

Affiliated Colleges

Shri V.M. Society's Arts and Science College, IIKAL (Distt. Bijapur).	Construction of Men's Hostel Building - Fourth Plan.	final	24,403
Rani Parvati Dev College, Belgaum.	Grant towards the loan of books to students-setting up of book banks.	1st	8,500
Jagadguru Gangadhar College of Commerce, Hubli.	-do-	1st	11,250
Gogta College of Commerce, Tilakwadi, Belgaum.	-do-	1st	11,250
B.L.D.E. Association Arts and Science College, Jankhandi-587320, Distt. Bijapur.	-do-	1st	8,500
Shri A.S. Patil College of Commerce, Bijapur.	-do-	1st	8,500
Lingaraj College, Belendi.	-do-	1st	8,500

Karnatak University (Contd.)

Affiliated Colleges

Veerasaiva College, Bellary.	Students' Aid Fund in the colleges-grant for 1974-75.	2,000
J.S.S. Shankikumar Gubbi Science College, Vidyagiri, Dharwar.	-do-	648
Government College of Education, Belgaum.	-do-	350
Engineering College, Gulbarga.	-do-	1,000
Rani Parvatidevi College, Belgaum.	-do-	1,750
Dr. A.V. Baliga College of Commerce, Kumata, Kamara.	-do-	750
K.R.C.E. Society's Arts and Science College, Butlhangal (Distt. Balgaum).	-do-	750
Kittel College, Dharwar.	-do-	1,000
Gokhale Centenary College, Ankola (Distt. N. Kanara).	-do-	1,000
Shri V.M. Society's J.S.S. Arts and Science College, Gokak.	-do-	888
V.S.S.R. Vestrod Arts and Science College, Bungund.	-do-	560
S.B. Arts College, Gulbarg.	-do-	557
Dr. A.V. Baliga College of Arts and Science, Kumta.	-do-	1,750
Raja Lakhanagounda Science Institute, Bulgaum.	-do-	1,750
Basaveshwar Engineering College, Bagalkot.	-do-	850
K.L.S. Society's Gogte College of Commerce, Tilakwadi, Belgaum.	-do-	2,250
Basaveshwar Arts College, Bagalkot.	-do-	633

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Total: 4,07,663.19

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P.T.O.

43. University of Kashmir

UGC Assistance for the Research Project entitled "Ecological and Productivity Studies on Some Typical wetlands in Kashmir" of Dr. V. Kaul, Postgraduate Department of Botany, Fifth Five Year Plan period - 1st instalment of grant.		10,000
Junior Research Fellowships in Science/Humanities & Social Sciences- Allocation of funds for implementation of the scheme during 1974-75.	3rd	7,000
-do-	3rd	12,000
Junior Research Fellowships in sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	33,000

Affiliated Colleges

Amar Singh College, Srinagar.	Grant towards the loan of books to students-setting up of Book Banks.	1st	8,437
-do-	Students' Aid Fund in the Colleges-Grant for 1974-75.		2,250

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Total: 72,687

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44. Kashi Vidyapith

Junior Research Fellowships in Science/ Humanities & Social Sciences- Allocation of funds for implementation of the scheme during 1974-75.	3rd	13,000
Basic grant for the purchase of library books and journals during the Vth Plan period.		10,000
Construction of Staff Quarters.		20,000

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Total: 43,000

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45. University of Kerala

Inter-University fourth festival from 19th to 23rd February, 1975.		15,000
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Kerala University (Contd.)

UGC Assistance for the research project entitled "Endogenous insect hormone analogues in insects developmental biology", - submitted by Dr. V.K.K. Prabhu, Department of Zoology - Approval and release of grants.		10,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	23,000
-do-	3rd	34,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Implementation of scheme during 1975-76.	1st	1,20,000

Affiliated Colleges

Sree Narayana College, Quilon.	College Science Improvement Programme-Selected Colleges Project - Grant-in-aid.	3rd	80,000
University College, Trivandrum.	-do-	4th	80,000
Maharaja's College, Ernakulam.	Construction of auditorium - Assistance for centenary celebration.	1st	30,000
Sree Narayana College Kaladi, Vergale. Kerala.	N.R.S.C.	1st	25,000
Fatima Mata National College, Quilon.	Utilisation of Services of Outstanding Retired Teachers - Payment of grant in respect of Professor T.K. Kurien, Payment of Honorarium.		750
Loyala College of Social Science, Sreeckaryam, P.O. Trivandrum-7.	Writing of university level books/monographs.		3,000
Union Christian College, Alwaya, Kerala.	Utilisation of services of retired teachers - payment of honorarium.		3,000
University College, Trivandrum.	Grant towards the loan of books to students-setting up Book Banks.		16,875
Bishop Chulaparambil Memorial College for Women, Kottayam.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,803
St. Joseph's College for Women, Alleppey.	-do-		969

Kerala University (Cont'd.)

Affiliated Colleges

Baselius College, Kottayam, Kerala.	Students' Aid Fund in the Colleges-Grant for 1974-75.	1,494
Devaswom Board College, Sasthamcotta.	-do-	1,252
St. Xavier's College for Women, Alwaye.	-do-	1,000
Mar Thoma College, Tiruvalla-3.	-do-	1,600
Sree Narayana Training College, Madumganda, Kadakkavur.	-do-	394
Sree Narayana College for Women, Quilon-1.	-do-	3,750
C.M.S. College, Kottayam.	-do-	1,943
Assumption College, Changanacherry.	-do-	1,949
Sree Narayana College, Quilon.	-do-	3,020
St. Dorchman's College, Changanacherry.	-do-	2,275
Sree Narayana College, Sivagiri, Varkala.	-do-	2,250
Deva Matha College, Kuravilangad.	-do-	715
St. Thomas College, Ranni - Pazhavangadi, P.O. Kerala.	-do-	1,000
N.S.S. College, Pandalam.	-do-	2,332
St. Thomas Training College, Palai, Kerala.	-do-	750
Karmela Rani Training College, Quilon.	-do-	645
All Saints' College, Trivandrum.	-do-	1,235
Medical College, Trivandrum.	-do-	1,364
Arts & Science College, Mahbubnagar.	-do-	1,980
St. Patwirascollege, Kolenchery.	-do-	1,232
St. John's College, Anchal.	-do-	1,287
Velu Thampi Memorial N.S.S. College, Bhanuvachapuram, Trivandrum.	-do-	1,411



Kerala University (Contd.)

Affiliated Colleges

St. Albert's College, Erankulam.	Students' Aid Fund in the Colleges-Grant for 1974-75.	1,403
N.S.S. Hindu College, Changanacherry-2.	-do-	2,019
Mar Ivanios College, Bethany Hills, Trivandrum.	-do-	1,964

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Total: 4,87,311

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46. Konkan Krishi Vidyalaya

Affiliated College

College of Agriculture, Dapoli, Distt. Ratnagiri.	-do-	294
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Total: 294

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47. Kumaon University

Affiliated Colleges

M.B. Postgraduate College, Paldwani, (Distt. Mainital).	-do-	1,750
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Total: 1,750

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48. Kurukshetra University

Allocation of Unassigned grant for the year 1974-75 - Release of grant towards U.G.C. Unit.	3rd & final	5,000
All India Seminar on Development of Courses for M.A. (Education) Two year courses.		5,000
Salaries of Non-teaching staff of Study Centres at Ambala Cantt, Rohtak and Karnal for the 5th plan period - Release of grant.		8,000

Kurukshetra University (Contd.)

Construction of a Computer Centre Building.		75,000
UGC Assistance for the research project entitled "X-ray diffraction and three-dimensional Crystal structure Determination of Substances of Chemical, Biochemical and Solid State interest" - submitted by Dr.P.C. Jain, Reader, Department of Chemistry - Approval and release of grants.		6,000
UGC Assistance for the research project entitled "Synthetic studies on the bridgehead nitrogen heterocycles as potent anthelmintics" submitted by Dr. H.K. Pujari, Reader in Chemistry - Approval and release of grants.		2,500
UGC Assistance for the research project entitled "Formation constants and reaction mechanism of transition metal complexes" submitted by Dr. D.H. Puri, Reader, Department of Chemistry - Approval and release of grants.		4,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers - payment of contingency grant.		1,000
Junior Research Fellowships in Science/3rd Humanities & Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.		17,000
-do-	3rd	10,000
Junior Research Fellowships in Sciences/Humanities & Social Sciences - Implementation of scheme during 1975-76.	1st	51,000
Salaries of Teaching Staff of Education Department under Development of Teacher Education & Research Scheme - Release of grant for 1974-75.	6th	35,000

Affiliated Colleges

Regional Engineering College, Kurukshetra.	Senior/Junior Research Fellowships in Sciences/ payment of fellowships and contingency grant.	3,048.39
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Kurukshetra University (Contd.)

Affiliated Colleges

Dairy Science College, Karnal.	Students Aid Fund in the Colleges-Grant for 1974-75.		1,000
Government College, Gurgaon.	-do-		11,250
I.C. Government College for Women, Rohtak.	-do-		2,750
D.A.V. College, Ambala Cantt.	-do-		500
Government College, Warnaul.	-do-		2,750
Arya College, Panipat.	-do-		1,000
Kurukshetra University Evening College, Kurukshetra.	-do-		1,000
C.R. College of Education, Rohtak.	-do-		750
Government College, Gurgaon.	-do-		3,250
Manohar Memorial College, Patchabad, Wissar.	-do-		1,000
Dev Samaj College for Girls, Ambala City.	-do-		1,750
Guru Nanak Khalsa College, YamunaNagar.	-do-	5th & final	19,816
D.A.V. College, Pundri.	-do-	final	8,134
-do-	Construction of Non-Resident Students' Centre.	final	10,000
S.D. College, Panipat.	Construction of Library Building.	3rd & final	10,861
All India Jat Heroes' Memorial College, Rohtak.	-do-	final	8,762
Arya Girls' College, Ambala Cantt.	-do-	final	10,561
Dyal Singh College, Karnala.	Grant towards the loan of books to students-setting up of book banks.	1st	11,250
Vaish College, Rohtak.	-do-	1st	11,250
D.A.V. College for Women, Karnal.	-do-	1st	8,437
A.I.Jat Heroes' Memorial College, Rohtak.	-do-	1st	8,437

Kurukshetra University (Contd.)

Affiliated Colleges

Pt. J.L. Nehru College, Faridabad.	Grant towards the loan of books to students-setting up of Book Banks.	1st	8,437
Guru Nanak Khalsa College, Yamunanagar.	-do-	1st	8,437
Dayanand College, Hissar.	-do-	1st	8,437
N.R.S. Govt. College, Rohtak.	-do-	1st	8,437
M.L.N. Mnational College, Yamunganagar.	-do-	1st	14,062
Vaish College, Bhiwani.	-do-	1st	8,437
University College, Kurukshetra.	-do-	1st	11,250
Government College, Mohindergarh.	-do-	1st	8,437
R.K.S.D. College, Kaithal.	-do-	1st	8,437
Kishan Lal Public College, Rewari.	-do-	1st	11,250
I.C. Government College for Women, Rohtak.	-do-	1st	11,250
Chhotu Ram Arya College, Sonapat.	-do-	1st	11,250
B.N.C. Government College, Bhiwani.	-do-	1st	8,437
D.A.V. College, Ambala City.	-do-	1st	11,250
Government College, Hissar.	-do-	1st	8,437
Hindu College, Sonapat.	-do-	1st	14,062

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Total: 5,57,363.39

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49. Lalit Narayan Mithila University

Affiliated Colleges

Ramaswray Baleshwar College, Balsingwara	Book grant to affiliated colleges for 1970-72.	2nd & final	1,375
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P.T.O.

Lalit Narayan Mithila University (Contd.)

Affiliated Colleges

C.M. College, Darbhanga.	Establishment of text book library.	2nd & final	7,500
Balsringar Baldeo College, P.O.Joynagar (Madhubani).	Construction of Shosting Range.	2nd & final	400

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Total: 9,275

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50. Lucknow University

Basic Grant for purchase of scientific Equipment for Chemistry Department - Sanction of grant for.			20,000
Establishment of students Aid Fund for the year 1974-75 - Sanction of grant for.			13,000
-do-			331
Unassigned grants during 1974-75 - Sanction of grant for.			25,000
-do-			10,004.20
Organisation of Summer Institute in English for College Teachers during 1972 - Sanction of an 'on account' grant.			30,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of fellowship/honorarium and contingency grant.			3,002.58
Junior Research Fellowships in Science/ Humanities and Social Sciences-Alloca- tion of funds for implementation of the scheme during 1974-75.	3rd		44,000
-do-	3rd		28,000
Junior Research Fellowships in Sciences/ Humanities & Social Sciences-Implemen- tation of scheme during 1975-76.	1st		1,50,000
Purchase of library books and journals (Humanities) during 5th plan period - Sanction of grant for (Basic grant).			75,000
Purchase of library books and journals (Science) during 5th plan period - sanction of grant for (Basic grant).			75,000
Utilisation of services of outstanding retired teachers - payment of grant in respect of -			3,000

Lucknow University (Contd.)

Affiliated Colleges

Vidyant Hindu Degree College, Lucknow.	Students' Aid Fund in the colleges-grant for 1974-75.		1,600
Mahila Vidyalaya, Lucknow.	-do-		1,202
Lucknow Christian College, Lucknow.	-do-		1,750
Nari Shiksha Niketan Degree College, Lucknow.	-do-		2,127
Isabella Thoburn College, Lucknow.	-do-	1st	8,437
Vidyant Hindu Degree College, Lucknow.	-do-	1st	8,437
Navayuganya Vidyalaya, Degree College, Lucknow.	-do-	1st	8,437
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Total:			5,08,327.78

51. Madras University

Development schemes under IV Plan period - P.G. Centre, Coimbatore - Allocation of grant for the purchase of scientific equipment - sanction of grant - regarding.		1,57,678
Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I & II Year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		1,10,000
Writing of university level books/ monographs.		1,948.96
Development Schemes under IVth Plan period - P.G. Centre, Tiruchirapalli. Allocation of grant for the purchase of Library Books and Journals - Sanction of grant - regarding.		1,54,202.78
Development Schemes under IV Plan period - P.G. Centre - Coimbatore - Allocation of grant for the purchase of Library Books and Journals.		1,24,722.77
Centre of Advanced Study in Philosophy.		60,000
Approval of Basic grant for equipment and books and journals during the Fifth Plan period.		

P.T.O.

Madras University (Contd.)

Junior Research Fellowships in Sciences/Humanities & Social Sciences - Implementation of scheme during 1975-76.	1st	2,17,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	40,000
-do-	3rd	62,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.		7,500
Development Schemes under IVth Plan period - Unassigned grant.		25,000
Seminar on the Social Consciousness as Reflected in Modern Literature.		2,101.00

Affiliated Colleges

Modern Medical College, Madras.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,500
Madras Christian College, Madras.	College Science Improvement Programme - Selected Colleges	final	10,000
Loyala College, Madras.	Project - Grant-in-aid.	4th	80,000
Madras Christian College, Tambaram, Madras.	-do-		
	Utilisation of services of Outstanding Retired Teachers - Payment of grant in respect of Shri V.M. Thomas.		3,000
Ramakrishna Mission Vivakananda College, Mylapore (Madras).	-do-		3,000
Jamal Mohamed College, Tiruchirapalli.	-do-		2,332
P.S.G. Arts College, Coimbatore.	-do-		4,000
Stella Maris College, Madras.	-do-		1,000
Pachayappa's College, Madras.	-do-		3,000

P.F.O.

Madras University (Contd.)

Affiliated Colleges

Meston Training College, Royapettah, Madras.	Utilisation of services of Outstanding Retired Retired Teachers - Payment of grant in respect of - -do-		2,500
Stanley Medical College, Madras.			3,000
P.S.G. College of Technology, Coimbatore-4.	Construction of Gymnasium.		50,000
College of Engineering, Guindy, Madras-25.	Writing of university level book on "Graphic Statics Vol. II under the supervision of Shri N.A. Arunchalam.		500
Holly Cross College, Teppakulam Post, Tiruchirapally.	Construction of Residential Flats for Teachers - release of grant.	final	4,192
Vivekananda College, Mylapore, Madras.	Development of postgraduate studies in science Subject during IV Plan period - Chemistry Department.	2nd	20,000
Pachaiyappa's College Madras.	Construction of Cycle shed IV Plan Scheme.	2nd/ final	1,020
Madras Christian College, Tambaram, Madras.	Construction of Cycle shed	2nd	2,000
Madras Christian College, Madras, Tambaram East.	Construction of Residential Flats for Teachers.	3rd	50,000
St. Joseph's College, Tiruchirappalli.	UGC Assistance for the research project entitled "Estimation of Internal Pressure in Liquids, Liquid Mixtures and Solutions and Theory of Liquid Estate"- Submitted by Shri G.M. Srivivasan, Lecturer in Physics, - Approval and release of grants.		10,000
-do-	College Science Improvement Programme - Selected Colleges Project Grant-in-aid.	final	10,000
P.S.G. College of Technology, Coimbatore.	Writing of university level books/monographs.		1,000
Guru Nanak College, Alebheri Road, Guindy, Madras.	Grant to college libraries for loan of books to students - Book Banks.	final	3,250



Madras University (Contd.)

Affiliated Colleges

Islamiyah College, New Town, Vaniyambadi.	Grant towards the loan on books to students-setting up of book banks.	1st	8,500
Kandaswami Kandar's College, Valur (Salem)	-do-	1st	8,500
V.V. Venniaperumai College for Women, Virudhunagar.	-do-	1st	8,500
Women's Christian College, Madras.	-do-	1st	8,500
Holy Cross College, Tiruchirapalli.	-do-		1,750
Sharthidasan Government College for Women, Pondicherry.	Students' Aid Fund in the colleges for the year 1974-75.		750
Providence College for Women, Coornor (Nilgiris).	-do-		750
Arignar Anna Govt. College of Arts for Women, Manakkal, Salem Distt.	-do-		1,271
Narmala College for Women, Coimbatore.	-do-		1,750
Nullam-uthu Gounder Mahalingam College, Pollachi.	-do-		2,250
Dharampura Gnanambikai Government Arts College for Women, Mayuram.	-do-		507
D.D.G.D. Vaishnav College, Madras.	-do-		2,250
Chikkanna Govt. Arts College, Tiruppur.	-do-		900
Bishop Usher College, Puthur, Tiruchirapalli.	-do-		1,660
Sir Theagaraya College, Madras.	-do-		2,066
C. Abdul Hakeem College, Hakeem Nagar, Melvisharam, M.A. Distt.	-do-		2,250

Madras University (Contd.)

Affiliated Colleges

Thiruvalluvar Govt. Arts College, Sessipuram, Salem Distt.	Students' Aid Fund in the Colleges-Grant for 1974-75.	740
Feriyar E.V.R. College, Tiruchirappalli.	-do-	2,156
Stella Matutina College of Education, Madras.	-do-	750
Government Arts College of Women, North Madras.	-do-	2,000
Muthurangam Govt. Arts College, Vellore.	-do-	1,139
Government College of Technology, Coimbatore.	-do-	1,620
Government Arts College, Krishnagiri.	-do-	1,750
Nehru Memorial College, Puthanampatti.	-do-	942
Vivekananda College, Mylopore, Madras.	-do-	3,750
Sir Avinashilingam Teachers' College for Women, Coimbatore-II.	-do-	295
Sri Sarda Training College for Women, Alagapuram, Salem.	-do-	105
Kandaswami Kaundar's College, Velur (Salem).	-do-	2,250
Govt. College for Women, Kumbakonam.	-do-	1,129
Vasudevas College, Vellore (South India).	-do-	1,300
The New College, Madras.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences.	1st 1,750

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Total: 13,02,217.56

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P.T.O.

52. Madurai University

UGC Assistance for the research project entitled "Development of Immune Functions in Fishes" submitted by Dr. V.R.Muthukkaruppan, Reader in Developmental Biology & Immunology, Department of Biological Science,		15,000
UGC Assistance for the research project entitled "Transcriptional regulation of Eucaryotic development" submitted by Dr. (Mrs.) Kunthala Jayaraman, Reader in Molecular Biology, Department of Biological Sciences - Approval and release of grants.		20,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	66,000
Junior Research Fellowships in Sciences/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	14,000
-do-	3rd	20,000
Development Schemes under - Plan period.		22,187
Development Schemes under - Plan period - Basic grant for the purchase of Scientific Equipment.		6,00,000
All India University Tamil Teachers Association VII Conference at S.T. Hindu College, Nagercoil.		3,000

Affiliated Colleges

M.M.S.S.V. Nadar College, Madurai.	Construction of Gymnasium	4th & final	8,250
Lady Doak College, Madurai.	Utilisation of Services of Retired Teachers - Payment of grant in respect of Miss Lucy Thomas.		3,000
Sarah Tucker College, Tiruneli.	Development of play fields & purchase of accessories for games and sports.	2nd & final	1,452
V.O. Chidambaram College, Tuticorin - (Madurai).	Non-Resident Students Centre	3rd	3,000

Madurai University (Contd.)

Affiliated Colleges

Fatima College, Madurai.	Grant towards the loan of books to students - setting up of book banks.	1st	11,250
The American College Madurai.	-do-	1st	11,250
Sri Parasakthi College for Women, Courtallam, Tirunelveli.	-do-	1st	8,500
The Madura Diraviyan Thayumanavar Hindu College, Tirunelveli.	-do-	1st	11,250
Nadar Mahajana Sangam & Vellaichamy Nadar College, Nayamalai, Madurai.	-do-	1st	8,500
Yadava College, Madurai.	-do-	1st	8,500
Sri Kumara Curupara Swamikal Arts College, Juandinagar, Srivishkuntam, Tirunelveli.	-do-	1st	480
Arignar Anna College Arambely, Distt. K.K.	Students 'Aid' Fund in the colleges-Grant for 1974-75.		1,000
Alagappa College, Karaikundi.	-do-		1,575
Sarash Tucker College, Tirunelveli.	-do-		1,417
The Standard Fireworks Najaratham College for Women, Civekasi (Distt. Ramanathapuram).	-do-		440
Saraswathi Narayan College, Perunagdi, Madurai.	-do-		1,000
Sree Sevugan Annamalai College, Devakottai, Extension.	-do-		587
Soothalaksbmi Arts College for Women, Paliattur, Puz, Distt. Ramanathapuram.	-do-		757

Madurai University (Contd.)

Affiliated Colleges

Nadar Mahajan Sangam, S. Vellaichamy Nadar, College, Nagasalai, Madurai-9.	Students' Aid Fund in the colleges-Grant for 1974-75		1,750
V.V. Vanniapadurai College for Women, Virudinnagar.	-do-		1,750
The Madura Diraviyam Thayumanavar Hindu College, Pettai (Tirunelveli-4).	-do-		1,673
V.D. Chidambaram College, Tuticorin.	-do-		3,750
Madurai College, Madurai.	-do-		2,370
Sri Parasakthi College for Women, Courtallam (Distt. Tirunelveli).	-do-		1,684
The American College Madurai.	-do-		1,698
Pasumpen Mathuramalinga Thever College, McLanec II thanalur, Pin-627953, Tirunelveli.	-do-		750

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Total: 9,37,820

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53. Magadh University

Grant-in-aid towards the construction of students home.	3rd	15,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for the implementation of the scheme during 1974-75.	3rd	7,000
-do-	3rd	11,000
Junior Research Fellowships in Sciences/Humanities & Social Sciences - Implementation of scheme during 1975-76.	1st	33,000
Grant-in-aid for the purchase of Scientific equipment for the Post- graduate Science Departments - Basic grant for the fifth five year plan period.	2nd	2,50,000

Magadh University (Contd.)

Grant-in-aid for the purchase of Books & Journals - Basic grant for 5th Plan. 1,50,000

Affiliated Colleges

H.D. Jain College, Arrah.	Utilisation of Services of Outstanding Retired Teachers - payment of grant in respect of Dr. D.R.Upadhyya, Contingency grant.		1,000
R.L.G. Tajaya College, Bakhtiarpur Patna (Bihar).	Construction of additional teaching accommodation - Assistance for.	4th	40,000
Ramlakhan Singh Yadav College, Bakhtiarpur.	Book Grant to colleges for 1970-72.	2nd & final	1,125
S.P. Jain College, Sasaram.	Grant to college libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	8,000
S.N. Sinha College, Durasaliganj. (Nowadah).	-do-	1st	8,000
Anugrah Narain College, Anisabad, Patna.	-do-	1st	12,000
M.B.N.R.V. Prasad Singh College, Arrah.	Book Grants to affiliated colleges for 1970-72.	2nd & final	1,126
S.P. Jain College, Sasaram.	Students Aid Fund in the colleges - grant of sanction for the year 1974-75 - regarding.		1,547
S.N. Sinha College, Marisaliganj, (Nowadah).	-do-		1,000
Anugrah Memorial College, Gaya.	-do-		1,554

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Total: 5,41,352

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P.T.O.

54. Marathwada University

Construction of Professors, Readers & Lecturer's Quarters.		25,000
UGC Assistance for the research project entitled "Effect of Multiple Intoxication of Xenobiotics and Drugs on the Hepatic mixed function Oxidase system," - Submitted by Dr. S.S. Pawar, Reader, Bio-Chemistry Division, Department of Chemistry - Approval and release of grants.		3,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	44,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	17,000
-do-	3rd	12,000
Establishment of Students' Aid Fund in Universities 1974-75 Release of grant for.		25,000
All India Seminar on Comparative Animal Physiology.		13,110

Affiliated Colleges

Nutan Mahavidyalaya, Sairu.	Financial assistance to teachers in the universities and Colleges for undertaking research or learned work in Humanities including Social Sciences.	1st	500
Adarsh Education Society's Arts, Commerce & Science, College, (Pingoli) Distt. Parbhani.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,750
JESRG Bagdia Arts, S.S. Lakhotia Commerce & Science Sanonji Science College, Jalna.	-do-		3,750
Nanded Education Society's People's College, Nanded.	-do-		3,750
Yogeshwari Mahavidyalaya, Ambajogai (Dist. Bihar).	-do-		1,000

Marathwada University (Contd.)

Affiliated Colleges

Shri Ghatrapati Shivaji College, Omurga (Distt. Osmanabai).	Students' Aid Fund in the Colleges-Grant for 1974-75.		3,250
Degloor College, Degloor (Distt. Nanded).	-do-		2,250
College of Education, Aroha.	-do-		1,186

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Total: 1,56,546

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55. Meerut University

Purchase of Equipment for Humanities & Social Science during Vth Plan Period - Sanction of grant for.			10,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st		31,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd		11,000
-do-	3rd		16,000
Purchase of Equipment during Vth Plan period - Sanction of grant for (Basic).			50,000
Utilisation of the services of the Retired Teachers - Extension of tenure of the awardees - regarding.			3,999.31
M.Phil Scholarships during IVth plan (Science Department) Sanction of grant for.			69,584

Affiliated Colleges

Deva Nagri College, Meerut.	Expansion of Botany and Zoology Department.	final	19
Amar Singh College, Takhoati, (Distt. Bulandshahr).	Students' Welfare Programme 1970-72	2nd & Final	4,000



Maerut University (Contd.)

Affiliated Colleges

Maharaj Singh College, Saharanpur.	Construction of Non-Resident Students' Centre.	final	5,000
M.L. & J.N. Khemka Girls' College, Saharanpur.	Basic grants for the purchase of Library Books.	final	500
J.S. Degree College, Sikandrabad (Distt. Bulandshahr).	Construction of Library Building and purchase of library and furniture.	final	9,586
Maharaj Singh College, Saharanpur.	Development of Postgraduate Studies in the Science - Zoology.		10,000
S.S.V. College, Hapur	Utilisation of Services of Outstanding Retired Teachers - Payment of grant in respect of Professor S.S. Srivastava, Payment of Honorarium.		3,000
M.M.H. College, Ghaziabad.	Grant towards the loan of books to students-setting up of Book Banks.	1st	16,875
Lajpat Rai College, Sahibabad ) (Distt. Ghaziabad).	-do-	1st	8,437
Shambhu Dayal College, Ghaziabad.	-do-	1st	14,062
J.S. Degree College, Sikandrabad (Dt. Bulandshahr).	Students' Aid Fund in the Colleges-Grant for 1974-75.		1,000
Lajpat Rai College, Sahibabad, (Distt. Ghaziabad).	-do-		2,250
I.P. Degree College, Bulandshahr.	-do-		319
Amar Singh College, Lakhoati (Distt. Bulandshahr).	-do-		616
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Total:			<u>2,67,247.31</u>

56. M.S. University of Baroda.

Junior Research Fellowships in sciences/Humanities including Social Sciences - Implementation of scheme during 1975-76.	1st	1,20,000
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M.S. University of Baroda (Contd.)

UGC Assistance for the research project entitled "Studies on carotens biosynthesis of Blakeslea Trispora, with emphasis on the beta factor and other factors that stimulate carotens production to increase the yield of B-carotene of cereal grains" submitted by Prof. V.V. Modi, Head of the Department of Microbiology - Approval and release of grants.		13,000
Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I & II year students of 1974-75 admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		3,55,000
Junior Research Fellowships in science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75-	3rd	22,000
-do-	3rd	35,000
Financial Assistance to Teachers for research/learned work in sciences and Humanities including Social Sciences - Payment of second instalment of grant.		600
Grant for support of research in the universities - Fourth Five Year Plan - Payment of the Final instalment of grants.	final	724.60
Award of U.G.C. National Scholarships in M.Ed. students of the Centre of Advanced Study in Education.		5,000
Centre of Advanced Study in Education - Payment of Recurring grant.		75,000
Non-recurring grant of the scheme of expansion and development of University Polytechnic and additional tanks.	final	725
Programme of Special Assistance to Selected Department of Biochemistry.		85,000
-do-		74,006
Grants to Universities for the development of the Teachers Education and research.		5,000

M.S. University of Baroda (Contd.)

Grants to Universities for the development of the Teachers Education and Research.	5,000
Grant-in-aid for the Expansion and development of University Polytechnic and additional intake.	40,000

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Total: 8,36,055.60

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57. Mysore University

Unassigned grant for the year 1974-75.		30,298
Assignment of German Language Teacher for academic year 1973-74 - regarding reimbursement of salary.		3,809.99
Establishment of P.G. Department in Home Science - Payment of Recurring grant.		79
Salary of staff relating to Humanities and Social Science Departments approved under IV Plan development schemes.		5,000
Two-day Kannada Teachers Conference.		2,000
Development Schemes under IV Plan period - Purchase of Library Books and Journals.		16,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.		1,35,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	25,000
-do-	3rd	39,000
Development Schemes under IV Plan period - Basic grant for purchase of Library Books and Journals for P.G. Centre at Mangalore.		40,000
Field Training work in Geology during 1974-75,		3,000
National Associateship - Dr. B.S. Sreekantaradhyia.		88
Increase in take to the P.G. Courses in Science subjects - Construction of an extension of the Geology Block.		2,000

P.T.O.

Mysore University (Contd.)

Affiliated Colleges

Teresian College, Mysore.	Students' Aid Fund in the colleges for the year 1974-75.		4000
Sarada Vilas College, Mysore.	-do-		528
Government College, Mercara.	Grant towards the loan of books to students-setting up of book banks.	1st	8,500
J.S. College of Arts, Commerce and Science, Mysore.	-do-	1st	8,500
Yuvaraja's College, Mysore.	-do-	1st	11,250
University Evening College, Mysore.	-do-	1st	11,250
Vivekananda College of Arts, Science and Commerce, Nehru Nagar, Puttar.	Students' Aid Fund in the Colleges-Grant for 1974-75		1,000
Sarada Vilas Teachers College, Mysore.	-do-		750
Bhadra College, Bhadravati.	-do-	2nd	750
Manipal College of Education, Udipi.	-do-		750
Siddaganga Institute of Technology, Tunkur-2.	-do-		1,750
St. Philomena's College, Mysore.	-do-		1,296
Govt. College, Kolar.	-do-		2,429
P.E.S. College of Engineering, Mysore.	-do-		1,000
M.F.G. College, Chintamani.	-do-		1,000
Sri Mahaveera College, Moodbidri.	-do-		458
Govt. College, Mangalore.	-do-		1,226
Sidianganga Evening College, Tankur.	-do-		1,000
Govt. College of Education, Mangalore.	-do-		204
Bhadarker's Arts and Science College, Coondapoor.	-do-		970

Mysore University (Contd.)

Affiliated Colleges

Sri N.P.P.C. Municipal, Challakera, Chitradurga Distt.	Students' Aid Fund in the Colleges for the year 1974-75.	291
The Kasturba Medical College, P.B. No.8, Manipal.	-do-	3,250
D.R.M. College, Davangere.	-do-	1,000
Regional College of Education, Mysore.	-do-	1,000
M.D.T.D.B. College, Mysore.	-do-	514
Govt. College, Hassan.	-do-	2,200

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Total: 3,64,540.99

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58. Nagpur University

Basic grant for the purchase of Scientific Equipment during the 5th Five Year Plan Period.		1,50,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	1,00,000
Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology - Extension in Fellowships tenure - Payment of fellowship to -		2,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	29,000
Senior/Junior Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers/payment of fellowship/honorarium and contingency grant.		3,074.19

P.T.O.

Nagpur University (Contd.)

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	20,000
Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		1,05,000
Establishment of Student Aid Fund in Universities 1974-75 - Release of grant for.		12,700

Affiliated Colleges

Janta Mahavidyalaya, Chandrapur.	Grants to College Libraries for loan of books to students (Book Banks).	2nd & final	4,703
Dhanwate National College, Nagpur.	-do-	1st	14,000
Janta Mahavidyalay, Chandrapur.	-do-	1st	12,000
Anand Niketan College of science, Arts and Commerce, Marora (Distt. Chandra).	-do-	1st	8,000
Rajasthan Aryan Arts and Nithulalji Machholiya Commerce Mahavidyalaya, Mashim.	Students' Aid Fund in the Colleges-Grant for 1974-75		725
Janta College of Education, Chandrapur.	-do-		232
Degree College of Physical Education, Amravati.	-do-		200
Anand Niketan College of science, Arts and Commerce, Marora.	-do-		2,250
S.B. City College, Nagpur.	-do-		999
Wabiya Mahavidyalaya, Hatal (Distt. Nagpur).	-do-		1,261

Nagpur University (Contd.)

Affiliated Colleges

Venijya Mahavidyalaya, Yeotmal.	Students' Aid Fund in the Colleges-Grant for 1974-75.	1,000
Shri Dayanash Mahavidyalaya, Nawargaon, (Distt. Chandrapur).	-do-	617
Punjabhai Patol College of Education, Gondia.	-do-	421
Dharompeth Arts, Commerce and M.P. Dco Memorial Science Mahavidyalaya, Nagpur.	-do-	2,033
Phulsingh Naik Mahavidyalaya, Pusad, Distt. Yeotmal.	-do-	1,886
University College of Education, Nagpur.	-do-	275
Janki Devi Bajaj College of Science, Mardha.	-do-	845
Punjabhai Patel College of Education, Gondia.	-do-	421
Nehru Arts & Commerce, College, Nerparsopant (Distt. Yeotmal).	-do-	360
S.V. Arts and Commerce College, Deulgaonraja.	-do-	460
Bharatiya Mahavidyalaya, Amravati.	-do-	1,750
Institute of Science, Nagpur.	-do-	972
Chhotabai Javdrbhai Patel Arts and Commerce College, Tirora.	-do-	297
Smt. Biunzani Mahila Mahavidyalaya, Mahal (Nagpur).	-do-	1,321
Smt. Resharbhai Laboti Mahavidyalaya, Amravati.	-do-	1,084
Singhar Arts College, Akola.	-do-	880

Nagpur University (Contd.)

Affiliated Colleges

Steba's Arts College, Akola.	Students' Aid Fund in the Colleges-Grant for 1974-75.	940
Amolat Chand Mahavidyalaya, Yeotmal.	-do-	1,701
M.S. College of Science, Nagpur.	-do-	1,100
Mahila Mahavidyalaya, Amravati, Nagpur.	-do-	552
Smt. Radhubai Sarda College of Arts of Commerce, Anjangaon, Surji (Distt. Amravati).	-do-	486
Arts & Commerce College, Snoner.	-do-	486
Janta Kala Vanijija Mahavidyalaya, Malkapur (Distt. Buldana).	-do-	632
Shri Shivaji College, Aravati.	-do-	1,468
Shri Shivaji College of Education, Amravati.	-do-	216
G.S. College of Science & Arts, Khamgaon.	-do-	1,565
Smt. L.R.T. College of Commerce, Akola.	-do-	1,008
Wislop College, Nagpur.	-do-	1,546
G.S. College of Economics & Commerce, (Amravati Road), Nagpur.	-do-	2,286
Shri Shivaji Science & Arts College, Chikhli (Distt. Buldaun).	-do-	243
Jagadamba Mahaviyalaya, Achalpur City, Amravati.	-do-	649



Nagpur University (Contd.)

Affiliated Colleges

Mohkar Education Society's Arts & Commerce College, Mohkar (Distt. Buldana).	Students' Aid Fund in the Colleges-Grant for 1974-75.		597
Janta Mahavidyalaya, Chandrapur.	Book Grant to Colleges : 1970-71		3,125
Samarath Mahavidyalaya, Lakhani	Construction of Library Building and purchase of furniture.	5th & final	7,904
Rajasthan Aryan Arts & M.K. Commerce Mahavidyalaya, Mashim.	Extension of Library Building.	3rd	15,000
Dhanwante National College, Nagpur.	Purchase of library books (Book Grant).	2nd & final	4,750
Punjabhai Patel College of Education Gondia.	Development of Teachers Training Programme in Teachers Training Colleges.		12,525
Nabira Mahavidyalaya, Katol (Distt. Nagpur).	Construction of Gymnasium		5,000
Bhartiya Mahavidyalaya, Amravati.	Construction of Library Building purchase of furniture and books.	6th & final	29,896

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Total: 5,74,441.19

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59. North Eastern Hill University

Award of 5 scholarships for P.G. Studies to the student belonging to Hill Areas of North Eastern Region of India during 1974-75.	2,900
-do-	2,000
-do-	2,000
-do-	2,000
-do-	2,000
-do-	2,000
-do-	2,000
-do-	2,000

North Eastern Hill University (Contd.)

Affiliated Colleges

Lady Keane Girls' College, Shillong.	Grants to college libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	8,000
St. Edmund's College, Shillong.	Students Aid Fund in the colleges - sanction of grant for the year 1974-75 - regarding.		514
Total:			27,414

60. North Bengal University

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	33,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	7,000
-do-	3rd	7,000
Payment of Unassigned grant for the year 1974-75.	1st	12,500
Printing of university level books/monographs.		14,707
Basic grant for the purchase of library books and journals during 5th plan period.		1,50,000
Basic grant for the purchase of scientific equipment during 5th Plan period.		2,00,000
Grant-in-aid towards the construction of 4 Nos. Prof. quarters - 4th Plan.	3rd	75,000

Affiliated Colleges

St. Joseph's College, North Point, Darjeeling.	Grants towards to colleges libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	8,000
Mandchandra College, Jalpaiguri	-do-	1st	8,000

North Bengal University (Contd.)

Affiliated Colleges

Raiganj College, Raiganj.	Grants to college libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	11,000
Ananda Chandra College, Jalpaiguri.	-do-	1st	1,641
Balurghat College, P.O. Balarghat, Distt. West Dinajpur.	Students' Aid Fund in the colleges-Grant for 1974-75		1,500
Mathbhanga College P.O. Mathbhanga, Cooch-Bhar.	-do-		282
Kaliyanganj College, Kaliyaganj, Distt. West Dinajpur.	-do-		1,000
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Total:			5,40,630
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61. Osmania University

Utilisation of Services of Outstanding Retired Teachers - - Payment of grant in respect of Dr. P.M. Sharma.		919.40
Utilisation of Services of Retired Teachers - Payment of honorarium.		3,000
Award of Scholarships for P.G. Studies to the students belonging to Hill Areas North Eastern Region of India during 1974-75.		1,800
All India Summer Institute in Economics for College Teachers during 1974 - sanction of IIIrd instalment of grant for.	3rd	50,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	39,000
-do-	3rd	25,000

Osmania University (Contd.)

Centre of Exploration Geophysics, Release of grants.		5,20,000
Construction of building for the Centre of Geophysics - Release of grants.	6th	20,000
Writing of University level books/ monographs.		3,976.13
Utilisation of services of outstanding retired teachers - payment of grant in respect of -		1,000
UGC Assistance for the research project entitled "Studies on Electron spin resonance spectra of some transition metal ions" submitted by Dr. Sivarama Sastry, Department of Physics, College of Science, Approval and release of grants.		12,000
UGC Assistance for the research project entitled "Fabrication of wild line Nuclear magnetic resonance spectrometer and study of single and polycrystalline non-metallic solids. Submitted by Professor K. Venkata Ramiah, Department of Physics, Approval and release of grants.		25,000
UGC Assistance for the research project entitled "Cytogenetical investigations on the effects of some common therapeutic drugs in laboratory animals - An in Vivo and Invitro analysis" - Submitted by Dr. S. Subramanyam, Reader in Cytogenetics, Department of Genetics Approval and release of grants.		10,000
UGC Assistance for the research project entitled "Design and Fabrication of a X-ray Power Diffractionmeter and X-ray Measure- ments Lattice Parameters, Thermal Expansion, Debye Temperature and Amplitudes of Atomic Vibrations of some Rare Earth Compounds" by Dr.VT Deshpande, Professor and Head of the Department of Physics, Postgraduate Centre, Warangal.		30,000
Grant-in-aid for the Establishment of Computer Centre.		5,00,000

Osmania University (Contd.)

UGC Assistance for the research project entitled "Genetic, Enzymatic and Biochemical Studies of Anthocyanin Biosynthesis in Maize" submitted by Prof. G. Madhava Reddy, Department of Genetics, Approval and release of grants.		30,000
Award of P.G. Scholarships of the of value of Rs.400/-p.m. to the I & II year students of 1974-75 admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		2,65,000
Junior Research Fellowships in Sciences/Humanities including Social Sciences - Implementation of scheme during 1975-76.	1st	1,35,000

Affiliated Colleges

Anwarul Uloom College, New Mellapali, Hyderabad.	Grants towards the loan of books to students-setting up of Book Banks.	14,000
College of Technology, Hyderabad.	Utilisation of services of Retired Teachers - Payment of honorarium.	4,048.38
New Science College, Narayanaguda, Hyderabad.	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	15,000
Lal Bahadur College, Warangal.	Students' Aid Fund in the Colleges - Grant for 1974-75.	1,217
Viccek Vardhinia Evening College, Gowliguda, Hyderabad.	-do-	1,890
Government College, Jagtial.	-do-	1,000
Govt. College of Education, Warangal.	-do-	305
K.R.A. Arts and Science College, Kodad (Nalgonda Distt.).	-do-	818
Vanita Mahavidyalaya, Exhibition Grounds, Hyderabad.	-do-	2,250

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Total: 17,12,223.91

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52. Punjab University

Junior Research Fellowship Scheme - Allocation of funds for the year 1973-74 - reg.		1,37,700
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/ Utilisation of services of retired teachers/payment of fellowship/ honorary and contingency grant.		2,983.87
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	53,000
-do-	3rd	34,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/ Utilisation of services of retired teachers - payment of contingency grant.		990.45
Award of Junior Fellowship of the value of Rs.250/-p.m. to the student admitted to the P.G. courses in Chemical Engineering during the year 1973-74.		20,000
Junior Research Fellowships in Sciences/Humanities including Social Sciences - Implementation of scheme during 1975-76.	1st	1,86,000
Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I&II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		1,20,000
Establishment of Study Centre at Ambala during 4th Plan - Release of recurring grant.		5,000
Establishment of Study Centre, Centre of Advanced Study in Mathematics - Awards of National Scholarships - 1974-75.		3,000
Centre of Advanced Study in Geology release of grant.		4,145
Scheme of development of higher education & research during IVth Plan period - Progress report in respect of Department of Central Library - Additional grant.		41,296
		10,009.46

Punjab University (Contd.)

Schemes of Development of Higher Education & Research during IVth Plan.		1,50,000
Payment of Junior Fellowships to the students admitted to the P.G. courses in Chemical Engineering during the year 1974-75.		12,000
Writing of university level books/monographs.		500
Scheme for development of Higher Education and Research during the Fourth Five Year Plan - Construction of building for the Department of Business Management.	3rd	77,000
Basic grant for the purchase of equipment during the Fifth Five Year Plan for development of Engineering and Technology.	1st	20,000
Basic grant for the purchase of library books during the Fifth Five Year Plan period for development of Engineering and Technology.	1st	10,000
Programme of Special Assistance to Selected Departments - Department of Botany.		97,228
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers/payment of fellowship/honorarium and contingency grant.		3,035.42
Basic grant for purchase of equipment for Humanities and Science Department during Vth Five Year Plan.		2,00,000
Development of Facilities for Teaching of Chinese and Tibetan Languages & History in the -		484.73

Affiliated Colleges

Government College of Education, Dharenwala.	Development of Teachers training programmes in teachers training colleges - special grant for the purchase of equipment and anglo visual aids.	3rd & final	188.98
D.M. College, Moga.	Construction of Library Building - Payment of grant.	1st	80,000

Punjab University (Contd.)

Affiliated Colleges

Government College, Tanda Urmar (Distt. Hoshiarpur).	Establishment of Book Bank - Payment of balance of grant regarding.	2nd & final	3,000
Hindu National College, Haryana (Distt. Hoshiarpur).	Students' Aid Fund in the Colleges-Grant for 1974-75.		750
Khalsa College, Garhdiwala.	-do-		1,000
Malwa Central College of Education, Ludhiana.	-do-		1,000
Babbar Akalai Memorial Khalsa College, Garhshankar (Distt. Hoshiarpur).	-do-		1,000
M.R. College, Fazilka.	-do-		1,750
Govt. College, Ludhiana.	-do-		4,250
S.D.P. College for Women, Ludhiana.	-do-		1,750
D.M. College, Moga.	Grant towards the loan of books to students-setting up Book Kabs.	1st	8,437
A.S. College, Khanna.	-do-	1st	8,437
G.H.G. Khalsa College, Gurusar Sabar (Distt. Ludhiana).	-do-	2nd & final	3,000
Govt. College, Ludhiana.	-do-	1st	14,062
Government College, Chandigarh.	-do-	1st	11,250
D.A.V. College, Chandigarh.	-do-	1st	14,062
D.A.V. College, Hoshiarpur.	-do-	1st	11,250

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Total: 13,53,559.91

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63. Punjab University

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology - payment of fellowship and contingency grant.		2,844.84
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	51,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers/payment of fellowship/honorarium and contingency grant.		2,932.26
-do-		2,712.90
Junior Research Fellowships in Science/Humanities including Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
-do-	3rd	17,000
UGC Assistance for the research project entitled "Stellar structure Evaluation and Pulsation" submitted by Dr. H.S. Gure, Reader in Physics, Approval and release of grants.		12,000
Basic grant for purchase of books and journals in Science & Humanities.		1,50,000
Establishment of students aid fund in Universities - 1974-75.		4,000
Unassigned grant for the Vth Plan Period.		20,000
Basic grant for purchase of Scientific Equipment during Vth Plan period.		1,00,000

Affiliated Colleges

Thapar Institute of Engineering & Technology, Patiala.	Students' Aid Fund in the Colleges-Grant for 1974-75.	1,638
Rajindra College Bhatinda.	-do-	3,250
Government Training College, Faridkot.	-do-	288
S.G.F.B. Khalsa College, Anandpur Sahib (Ropar).	-do-	1,000

Punjab University (Contd.)

Affiliated Colleges

Patel Memorial National College, Rajpura.	Students' Aid Fund in the Colleges-Grant for 1974-75.		1,750
Govt. Mahendra College, Patiala.	-do-		2,750
Nehru Memorial College, Mansa (Distt. Bhatinda).	-do-		1,000
S.D. College, Burnala.	Grant towards the loan of books to students-setting up of Book Bank.	1st	8,437
Govt. Banbir College, Sangrur.	-do-	1st	8,437
Mata Gujri College, Fatehgarh Sahib (Sirhand).	-do-	1st	8,437

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Total: 4,09,477

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64. Fatna University

Junior Research Fellowships in sciences/Humanities and Social sciences - Implementation of scheme during 1975-76.	1st	1,20,000
Junior Research Fellowships in Science/Humanities and Social sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	35,000
-do-	3rd	22,000
Senior/Junior Research Fellowships in sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers/payment of fellowship/honorarium and contingency grant.		2,970.97
Senior/Junior Research Fellowships in sciences/Humanities including Social Sciences/Research in Engineering and Technology/Utilisation of services of retired teachers - payment of fellowship honorarium and contingency grant		2,854.84
-do-		2,841.94

Patna University (Contd.)

Visit of Dr.(Mrs.) Rthi Paral, Lectuter in Botany to K.K. under the programme of exchange of visits by Younger Scientists between India and U.K. during 1974-75.		8,000
Basic grant for the purchase of Scientific equipment during the 5th Plan period.	1st	3,75,000
Payment of grant towards the salary of staff appointed in the Central Library of the University under the 4th Plan development schemes.	final	1,500.30
Payment of grant towards the salary of staff appointed in Humanities and Social Sciences Departments/ under the 4th Plan Development Schemes.		80,000
Writing of university level books/ monographs.		1,645.16
Programme of Special Assistance to selected Departments - Department of History - Release of grant - regarding.		21,000
Payment of grant towards the staff appointed in Science Departments under the 4th Plan Development Schemes.		8,000
Grant-in-aid for the purchase of equipments for Humanities and Social Science Departments under the Vth Plan development Schemes.	final	35,780.75
Grant-in-aid towards publication of research works - 4th Plan Scheme.	4th	15,000
Basic grant for the purchase of library books and journals during the 5th Plan period.		1,50,000
Grant-in-aid towards Air conditioning of Embryo Culture Room.	final	7,438.53
Grant-in-aid towards Development of Botanical Garden.		10,135
Utilisation of services of Outstanding Retired Teachers - Payment of grant in respect of Dr. Virendra Shrivstava, Department of Hindi.		3,000

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Total: 9,02,167.49

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65. Poona University

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences - Payment of fellowship and contingency grant.		2,983.87
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers/payment of fellowship/honorarium and contingency grant.		3,061.28
-do-		3,100
Junior Fellowship Research in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	34,000
-do-	3rd	23,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76-	1st	1,20,000
Publication of Research Workshop including Doctoral Theses.		64,838.03
UGC Assistance for the research project entitled "Photochemical and tracer studies in semisynthetic steroid and penicillin systems and related N.S.O. heterocycles" submitted by Dr. K.G. Marathe, Reader in Organic Chemistry, approval and release of grant.		2,500
UGC Assistance for the research project entitled "Synthesis of high cyclic compounds" submitted by Dr. H.S. Narasimhan, Department of Chemistry - Approval and release of grants.		2,500
Allocation of unassigned grant during 1974-75.	2nd	18,000
Writing of university level books monographs.		1,997.57
Centre of Advanced Study in Sanskrit - Approval of Basic grant for equipment and books and journals during the Fifth Plan period.		25,000
Centre of Advanced Study in Economics - Approval of Basic grant for equipment and books and journals during the Fifth Plan period.		1,05,000

Poona University (Contd.)

Establishment of Student Aid Fund  
in Universities - 1974-75. 25,000

Affiliated Colleges

Fergusson College, Poona.	Construction of Residential Flats for Teachers.	3rd	50,000
Ferraj Sarda Singh, Ahmednagar.	Construction of Men's hostel	final	7,658
Deccan College, Poona.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences.	1st	2,500
Ahmednagar College, Ahmednagar.	Development of Postgraduate Studies in Humanities and Social Sciences/Sciences subjects - Departments of Chemistry (Organic), Zoology and Biochemistry sanction of grant for.		18,250
-do-	Development of Postgraduate Studies in Humanities and Social Sciences/Science Subjects - Departments of Physics sanction of grant for.	final	10,000
Nowrosjee Wadia College, Poona-1.	Development of Postgraduate Studies in Science Subjects - Department of Physical Chemistry.	2nd & final	9,000
-do-	Award of Scholarships for honours studies in Persian during 1974-75.		1,200
Gokhale Institute of Politics and Economics, Poona.	Writing of university level books/monographs.		1,000
Pratap College, Amalner (Distt. Jalgaon).	Construction of Bathing Unit.	2nd & final	3,102
F.E.S. Modern College of Arts, Science and Commerce, Shivajinagar, Poona-5.	Construction of Big Non- Resident Students' Centre.	3rd	30,000
Ahmednagar College, Ahmednagar.	Establishment of Health Centre of the college.	5th	6,000

Poona University (Contd.)

Affiliated Colleges

Fomraj Sarda College, Ahmednagar.	Grants towards to colleges libraries for loan of books to students (Book-Banks).	1st	12,000
Sir Parashurambhan College, Poona.	Students' Aid Fund in the Colleges-Grant for 1974-75.		3,300
Swami Sahajanand Bharati College of Education, Shrirampur, Distt. Ahmednagar.	-do-		750
M.F. Society's Commerce College of Commerce, Karve Road, Poona-4.	-do-		2,065
M.S.G. Arts Science and Commerce College, Malegaon Camp (Distt. Nasik).	-do-		3,750
College of Education, Nandurbar.	-do-		378
Vidyawardhini Sabha' Arts and Commerce College, Dhulia.	-do-		1,750
Law College, Poona.	-do-		2,423
M.V.F. Mandal's Arts and Commerce College, Lasugaon (Nasik).	-do-		1,000
Shri Sadguru Gangadhar Maharaj College, Kopergaon, Distt. Ahmednagar.	-do-		2,250
Pilak Ayurved Mahavidyalaya, 883(2), Rasta Path, Poona-11.	-do-		1,750

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Total: 6,01,106.75

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66. Robinia Bharati

Grant-in-aid towards the unassigned grant during the Vth Plan period.	1st	17,500
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P.T.O.

Rabindra Bharati (Contd.)

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
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Total:	27,500
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67. Rajasthan University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	34,000
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-do-	3rd	53,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellow- ships in Engineering & Technology/ Utilisation of services of retired teachers/payment of fellowship/ honorarium and contingency grant.		3,874.19

-do-		3,035.48
Writing of university level books/ monographs.		2,602.15

-do-		7,074
-do-		3,000
-do-		3,000

Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period (Science Departments).		54,433.86
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Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period (Humanities & Social Science Departments).	1,50,000
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UGC Assistance for the Research project entitled "An Experiment on an Emulsion Stack Exposed to 200 Govt." of Professor S. Loka- nathan, Head of the Department of Physics - Fifth Five Year Plan Period - Release of the 1st instalment of grant.	5,000
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Rajasthan University (Contd.)

University Grants Commission	4,000
Assistance for the research project entitled "Studies of Organs derivatives of boron continuing boron-nitrogen bond". - submitted by Dr. J.P. Tandon, Reader in Chemistry, Department of Chemistry - Approval and release of grants.	
UGC Assistance for the research project entitled "Synthesis of Intermediate some Novel Heterocyclics Through Ylide" submitted by Dr. R.K. Bansal, Department of Chemistry - Approval and release of grants.	2,000

Affiliated Colleges

Seth B.D. Wovt. Students' Aid Fund in the College, Sardarjhar. Colleges-Grant for 1974-75.	415
Sharda Sadan College, Mukundgarh. -do-	579
Govt. College, Sirchi. -do-	984
B.J.S.R. Jain College, Bikaner. -do-	1,594
Seth G.L. Bihari S.D. (Postgraduate) College, Sriganganagar. -do-	1,750
Seth G.R. Commerce College, Fatchpur. -do-	750
Government College, Dausa. -do-	1,150
Dayanand College, Ajmer. -do-	2,354
Basic Teachers Training College, Gandhi Vidyamandir, Sardarshar. -do-	1,000
Bhawandas Todi College, Lachtmangarh (Sikar). -do-	268
M.L.V. Government College, Bhilwara. -do-	1,646
Bangar College, Bidwana. -do-	1,276
Govt. Girls' College, Bharatpur. -do-	750



Rajasthan University (Contd.)

Affiliated Colleges

Govt. College, Hasirabad.	Students' Aid Fund in the Colleges-Grant for 1974-75.		250
Rajasthan Vidyapeeth Vijay Singh Pathik Shramjeevi College, Ajmer.	-do-		411
Seth Moti Lal College, Jhunjhunu.	-do-		1,357
S.M. B. College, Nathwara.	-do-		412
S.D. Govt. College, Beawer.	-do-		1,595
Govt. College, Ajmer.	-do-		5,000
Govt. College, Bundi.	-do-		1,750
Govt. College, Tonk.	-do-		744
Gauridevi Govt. Mahila College, Alwar.	-do-		460
Govt. College, Ganganagar.	-do-		1,008
Seth G.B. Podar College, Nawalgarh.	-do-		1,749
Savitri Girls College, Ajmer.	-do-		989
Regional College of Education, Ajmer.	-do-		2,032
Govt. College, Kotputli.	-do-		3,250
J.L. Medical College, Ajmer.	-do-		1,000
Govt. College, Chattergarh.	-do-		1,277
Maharani College, Jaipur.	-do-		2,130
Dayanand College, Ajmer.	Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social sciences - Payment of first instalment of grant.	1st	1,250
B.V. College of Arts and Science, Banasthali, Vidyapeeth.	-do-	1st	1,000

Rajasthan University (Contd.)

Affiliated Colleges

Malaviya Regional Engineering College, Jaipur.	Writing of university level books/monographs.		2,325
Govt. College, Budni.	Assistance for purchase of Semi-micro analysis equipment for the Chemistry Department.	final	4,328.13
Shri M.L.V. Govt. College, Bhilwara.	Grants to college libraries for loan of Books to Students (Book Banks).	1st	14,000
Govt. (Boys) College, Sri-Ganganagar,.	-do-	1st	8,000
J.D.B. Girls College, Kota.	-do-	2nd & final	3,250
B.S.J. Rampuria Jain College, Bikaner.	-do-	1st	8,000
J.D.B. Govt. Girls' College, Kota.	-do-	1st	8,000
Maharishi Dayanand College, Sri-Ganganagar.	-do-	1st	8,000
Govt. College, Kotputli.	§	2nd & final	3,250
S.G.N. Khalsa College, Sri-Ganganagar.	Development of Postgraduate Studies in science subjects in affiliated colleges - financial assistance by the University Grants Commission during 4th Plan period.	3rd & final	19,250
Govt. College, Ajmer	UGC Assistance for the research project entitled "CYTO - TAXONOMIC AID EXPERIMENTAL STUDIES OF THE PIERIDOPHYTIC FLORA OF RAJASTHAN" Submitted by Dr. T.N. Bhardwaja, Lecturer in Botany - Approval and release of grants.		4,000

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Total: 4,49,252.71

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28. Ujjain University

Writing of university level books/monographs. 680.65

F.T.O.

Ranchi University (Contd.)

Basic grant for the purchase of books and journals during the 5th Plan period.		1,50,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	17,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	44,000

Affiliated Colleges

Deranda College, Deranda (Ranchi).	Grants to college libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	8,000
Jamshedpur Co-operative College, Jamshedpur.	-do-	1st	14,000
S.S.L.N.T. Mahila Mahavidyalaya, Dhanbad.	-do-	1st	8,000
Simdega College, Simdega.	-do-		1,750
K.S. Mull Mera College, Govindpur (Dhanbad).	-do-	7th	5,000

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Total: 2,48,430.65

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69. Ravi Shankar University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
-do-	3rd	16,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	51,000
Construction of Gymnasium.	1st	50,000

Ravi Shankar University (Contd.)

Establishment of Study Centres at Bilaspur and Raipur.		32,823.21
Allocation of unassigned grant during the V Plan - Release of grant for.	1st	15,000
Development Schemes (Humanities) during IV Plan - Appointment of additional staff - grant for.		60,000
IV Plan Schemes - Publication of Research work including Doctoral theses.		5,000
Basic grant for the purchase of library books and journals during the 5th Five Year Plan period (Science Departments).		40,000
Basic grant for the purchase of library books and journals during the 5th Five Year Plan period (Humanities Department).		40,000

Affiliated Colleges

Government Degree College, Jagadrapur.	Assistance for the purchase of lab. ship furniture and library books.	3rd	15,000
G.B. Postgraduate College, Mahuick.	Students' Aid Fund in the Colleges-Grant for 1974-75		1,000
I.C.S. Law College, Durg.	-do-		350
Government Digvijai College, Rajnangam.	-do-		2,212
Municipal College of Arts & Commerce, Kharsia (Raigarh).	-do-		300
Dhantari Science, Arts & Commerce College, Dhantari (Raipur).	-do-		526
P.D. P.G. Commerce & Arts College, Raipgarh.	-do-		1,800
M.E.S. Jashpur College, Jashpurnagar (Raigarh).	-do-		1,750
Dutan Arts and Commerce College, Dhantari.	-do-		1,000
Govt. College of Education, Bilaspur.	-do-		750

Ravi Shankar University (Contd.)

Affiliated Colleges

D.B.D.E.S. Arts & Commerce College, Baloda Bazar.	Students' Aid Fund in the Colleges-Grant for 1974-75.		750
Kalyan Mahavidyalaya, Shilainagar.	-do-		1,750
Janggir Postgraduate College, Janjgir.	-do-		1,000
Govt. Degree College, Jagdalpur.	-do-		1,000
Govt. Science College Raipur.	-do-		1,272
M.G. Arts and Science College, Raigarh.	-do-		1,750
C.M. Dubey Postgraduate College, Bilaspur.	-do-		3,558
Mahasamund Mahavidyalaya, Mahasamund (Raipur).	-do-		1,000
D.B.D.K. College, Balodabazar.	Financial assistance to teachers in the universities and colleges to undertaking research or learned work in Humanities including Social Sciences.	1st	1,250

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Total: 3,57,841.21

70. Georkee University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	12,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	33,000
Construction of 3 Professors, 3 Readers & 7 Lecturers Residences - Development of Engineering and Technical Education Scheme.		5,000

University (Contd.)

Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		4,85,000
Recurring grant for Water Resources Development Training Centre during 1974-75.		1,50,000
Development of Postgraduate course in Engineering and Technology - Payment of equipment grant.	final	9,667
Postgraduate course in Civil Engineering - Equipment grant.	12th	15,000
Introduction of M.E. Course in Electrical Engineering Furniture grant.	final	22,000
Additional facilities for Science Department - Mathematics Equipment.	final	2,500
Postgraduate Course in Electronics and Communication Engineering Equipment grant.	final	5,000
Construction of 4 readers and 10 lecturers quarters.		40,000
Introduction of M.E. Course in Chemical Engineering (Recurring grant).	3rd	2,00,000
Introduction of P.G. Degree in Architecture - payment of equipment grant.	7th	17,000
UGC Assistance for the research project entitled "Studies on Inorganic Ion Exchange Membranes" submitted by Dr. S.K.Srivastava, Department of Chemistry, Approval and release of grants.		4,000
UGC Assistance for the research project entitled "The study of Scattering of atoms ions and molecules by charged particle impact", submitted by Dr. M.K. Srivastava, Reader in Physics, Approval and release of grants.		12,000
UGC Assistance for the research project entitled "Studies on synthetic Inorganic Ion Exchangers" submitted by Dr. S.N.Tandonm Reader, approval and release of grants.		5,000

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Total: 10,17,167

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F.T.O.

Ravi Shankar University (Contd.)

Affiliated Colleges

D.B.D.E.S. Arts & Commerce College, Baloda Bazar.	Students' Aid Fund in the Colleges-Grant for 1974-75.		750
Kalyan Mahavidyalaya, Shilainagar.	-do-		1,750
Janggir Postgraduate College, Janjgir.	-do-		1,000
Govt. Degree College, Jagdalpur.	-do-		1,000
Govt. Science College Raipur.	-do-		1,272
M.G. Arts and Science College, Raigarh.	-do-		1,750
C.M. Dubey Postgraduate College, Bilaspur.	-do-		3,558
Mahasamund Mahavidyalaya, Mahasamund (Raipur).	-do-		1,000
D.B.D.K. College, Balodabazar.	Financial assistance to teachers in the universities and colleges to undertaking research or learned work in Humanities including Social Sciences.	1st	1,250

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Total: 3,57,841.21

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70. Coerkee University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	12,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	33,000
Construction of 3 Professors, 3 Readers & 7 Lecturers Residences - Development of Engineering and Technical Education Scheme.		5,000

Roorkee University (Contd.)

Award of P.G. Scholarships of the value of Rs.400/-p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		4,85,000
Recurring grant for Water Resources Development Training Centre during 1974-75.		1,50,000
Development of Postgraduate course in Engineering and Technology - Payment of equipment grant.	final	9,667
Postgraduate course in Civil Engineering - Equipment grant.	12th	15,000
Introduction of M.E. Course in Electrical Engineering Furniture grant.	final	22,000
Additional facilities for Science Department - Mathematics Equipment.	final	2,500
Postgraduate Course in Electronics and Communication Engineering Equipment grant.	final	5,000
Construction of 4 readers and 10 lecturers quarters.		40,000
Introduction of M.E. Course in Chemical Engineering (Recurring grant).	3rd	2,00,000
Introduction of P.G. Degree in Architecture - payment of equipment grant.	7th	17,000
UGC Assistance for the research project entitled "Studies on Inorganic Ion Exchange Membranes" submitted by Dr. S.K.Srivastava, Department of Chemistry, Approval and release of grants.		4,000
UGC Assistance for the research project entitled "The study of Scattering of atoms ions and molecules by charged particle impact", submitted by Dr. M.K. Srivastava, Reader in Physics, Approval and release of grants.		12,000
UGC Assistance for the research project entitled "Studies on synthetic Inorganic Ion Exchangers" submitted by Dr. S.N.Tandonn Reader, approval and release of grants.		5,000

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Total: 10,17,167

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71. Sambalpur University

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	12,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	3,000
-do-	3rd	5,000
Basic grant for the purchase of books and journals during the 5th Plan period.		1,00,000
Grant-in-aid towards purchase of living room furniture for the 2nd Boys hostel.	1st	10,000
Organisation of Summer Institute English for College Teachers during 1975 - Sanction of an 'on account' grant.		30,000
Grant-in-aid for the Establishment of Students Aid Fund for 1974-75.		720
Grant-in-aid for the purchase of books and journals for Humanities Departments under the 4th Five Year Plan Development Schemes.	final	65,000

Affiliated Colleges

Rourkela Science College, Rourkela.	Grant-in-aid towards the purchase of library books and laboratory equipments and furniture.		2,826
Kalahandi College, Bhanupatna.	Students' Aid Fund in the Colleges - Sanction of grant for the year 1974-75 - regarding.		673
Rourkela College, Rourkela.	-do-		816
Govt. Evening College, Sambalpur.	-do-		709
Pushilavati Khosla D.A.V. College for Women, Rourkela.	-do-		1,000
Sundergarh College, Sundergarh.	Grants to College libraries for loan of books to students (Book Bank) during Fifth Plan.	1st	8,000
Ganeshwar Mohar College, Sambalpur.	-do-	1st	16,000

Sambalpur University (Contd.)

Affiliated Colleges

▶ Gangadhar Mehar College, Sambalpur.	Grant-in-aid towards the constructions of Teachers' Hostel.	4th	25,000
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Total: 2,80,744

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72. Varnasaya Sanskrit Vishwavidyalay

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences - Payment of fellowship and contingency grant to -		2,712.75

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Total: 12,712.75

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73. Sardar Patel University

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1974-76.	1st	66,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	21,000
Research Project on "Integration of District Dairy Cooperation in Gujarat" Studies and Research in Community Development Cooperation.		5,000
Financial assistance to universities for the employment of trained coaches.		39,235
Establishment of student Aid Fund in Universities 1973-74 - Release of grant for.		2,044

F.T.O.

Sardar Patel University (Contd.)

UGC Assistance research for the project entitled "Lacvulinic Acid from sucrose and Novaliamine from Lacvulinic Acid, submitted by Professor B.D. Patel - Head of the Postgraduate Department of Chemistry - Approval and release of grants.		5,000
Establishment of Students Aid Fund in Universities 1974-75 - Release of grant for.		2,192

Affiliated Colleges

T.V. Patel Arts College, Vallabh Vidyanagar, Distt. Kaira.	Grants to college libraries for loan of books to students (Book Banks).	1st	8,000
B.J. Vanija Mahavidyalaya (Commerce College) Vallabh Vidyanagar (Distt. Kaira).	-do-	1st	8,000
Rajrtna P.T. Patel Science College, Vallabh Vidyanagar (Distt. Kaira).	-do-	1st	8,000
Anand Arts College, Anand.	-do-	1st	12,000
Vithalabhai Patel Mahavidyalaya, (Science College), Vallabh Vidyanagar, Distt. Kaira.	-do-	1st	8,000
M.B. Patel Science College, Anand (Distt. Kaira).	-do-	3rd	10,000
Nalini and Arvind Arts College, Vallabh Vidyanagar, Dist. Kaira.	-do-	1st	8,000
B.M. Patel Institute of English, Vallabh Vidyanagar, Anand.	Development of teachers training programmes in teachers training colleges.		3,000
Vithalbhai Patel Mahavidyalaya, (Science College), Vallabh Vidyanagar, (Distt. Kaira).	-do-	final	8,806.80
Rajrtna P.T. Patel Science College, Vallabh Vidyanagar, (Distt. Kaira).	-do-	final	3,419.21

F.T.O.

Sardar Patel University (Contd.)

Affiliated Colleges

Vithalbhai Patel Mahavidyalaya, Vallabh Vidyanagar, Distt. Kaira.	Construction of Teachers' Hostel.	1st	1,00,000
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Total: 3,17,697.01

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74. Saugar University

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	1,20,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	22,000
-do-	3rd	35,000
Senior/Junior research Fellowships in Sciences/payment of fellowships and contingency grant.		3,074.19
Writing of university level books/ monographs.		32.26
-do-		3,000
4th Plan Development Scheme Naming and post of Professor in Hindi as Dr. Makhanlal Chaturvedi, Chair Sanction of grant for.		21,206
Grant-in-aid for the Establishment of a Study Centre.		13,977.98
Cultural Exchange Programme between India and U.S.S.R. for the year 1972-73 payment of salary of Mrs. E.S. Kotvitakava.		3,371.73
Examination reform programme - Establishment of examination reform unit during V Plan.		10,000
Award of P.G. Scholarships of the value of Rs.400/- p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including pharmacy.		60,000

P.T.O.

Saugar University(Contd.)

Department of Geology, Release of recurring grants for the year 1974-75 in respect of Senior/Junior Research Fellowships.	37,800
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Affiliated Colleges

M.M.G.M. College, Itarsi.	Students' Aid Fund in the Colleges-Grant for 1974-75		542
D.B.F. Dayanand College of Arts & Science, Sholapur.	-do-		3,144
Arts & Commerce College, Warda.	-do-		822
Govt. Narmada Mahavidyalaya, Hoshangabad.	-do-		2,750
M.G.M. Mahaviyalaya, Karali.	Book Grant 1970-72 (cent-per-cent grant).	2nd & final	925
S.N.Government Postgraduate College, Khandwa.	-do-	1st	12,000
Government Post-graduate College, Salaghat.	-do-	1st	8,000

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Total:	3,57,645.16
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75. Saurashtra University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	7,000
-do-	3rd	4,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Implementation of scheme during 1974-75.	1st	18,000
Grant for support of research in the Universities - Fourth Five Year Plan Payment of the final instalment.	final	785

F.T.O.

Saurashtra University (Contd.)

UGC Assistance for the research project entitled "Gravitational radiation and gravitational collapse" submitted by Dr. J. Krishna Rao, Department of Mathematics - Approval and release of grants. 1,500

Affiliated Colleges

D.K.V. Arts and Science College, Jamnagar.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences.	1st	1,000
M.V. Mahila College, Rajkot.	-do-	1st	1,500
Sharma M.P. Shah Commerce and Law College, Surrendranagar.	Students' Aid Fund in the Colleges-Grant for 1974-75		2,250
Shree M.P. Shah Municipal College, of Commerce and Law, Jamnagar.	-do-		1,735
Samadhas Arts College, Bhavnagar.	-do-		1,399
Seth H.J. Law College, Bhavnagar.	-do-		468
Shree U.N.M. Arts College and N.G.M. Law College, Morvi.	-do-		793
M.J. College of Commerce, Bhavnagar.	-do-		2,750
S.S.F. Jain Arts and Commerce College, Dhrangadhra.	-do-		1,750
Smt. G.J. Sheth Commerce College, Morvi.	-do-		593
K.K.P. Commerce College, Amreli.	-do-		1,000
Gurukul Mahila College, P.B No.21, Barbendar.	-do-		750

Saurashtra University (Contd.)

Affiliated Colleges

K.B. Arts and Commerce College, Botad.	Students' Aid Fund in the Colleges-Grant for 1974-75	1,000
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Total:	48,273
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76. South Gujarat

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	12,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	5,000
Seminar on 'Education Technology - May 1975.		9,142.50
Establishment of Study Centre at M.T.B. Arts College, Surat.		3,000
Basic grant for the purchase of Library books and journals during the 5th Five Year plan period (Science Department).		20,000
Construction of Science Block - Sanction of grant for.		50,000
Construction of Vice-Chancellor's Bungalow - sanction of grant for.		15,000
Grant-in-aid towards the construction of teachers hostel.		30,000

Affiliated Colleges

S.B. Garda College (Arts) and P.K. Patel College of Commerce, Navsari.	Grants to college libraries 1st for loan of books to students (book banks).	12,000
Sir K.P. College of Commerce, Athva Lines, Surat.	-do-	1st 12,000
Shree Jay Indrapuri Arts & Science College, Breach.	-do-	1st 8,000

P.T.O.

South Gujarat University (Contd.)

Affiliated Colleges

Maganlal Thakordas Balmukunddas Arts College, Athwa Lines, Surat.	Grants to college libraries for loan of books to students (Book Banks).	1st	12,000
Patel Raman Bros Arts and Patel Gopalbhai Ranchhodji Commerce College, Bandoli-2, Distt. Surat.	-do-	1st	8,000
J.M. Shah Arts and Commerce College, Jambusar.	-do-	1st	8,000
Mahamanilleshwar Shri Krishnaandji College of Commerce, Broach.	-do-	1st	8,000
A.S.K. Law College, Broach.	-do-		324
S.B. Gade Arts College and P.K. Patel College of Commerce, Nawasri.	-do-	2nd & final	4,000

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Total: 2,16,466.50

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77. Shri Sai University

Junior Research Fellowships in Science/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	51,000
Senior/Junior Research Fellowships in Sciences/Payment of fellowship honorarium and contingency grant.		3,061.29
Junior Research Fellowships in Sciences/Humanities including Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
-do-	3rd	16,000
Establishment of students aid fund in Universities in 1974-75 - Release of grant for.		25,000
Allocation of unassigned grant during the fifth plan period.		15,000



Saurashtra University (Contd.)

Affiliated Colleges

K.B. Arts and Commerce College, Botad.      Students' aid Fund in the Colleges-Grant for 1974-75      1,000

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Total:      48,273

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76. South Gujarat

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	12,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	5,000
Seminar on 'Education Technology - May 1975.		9,142.50
Establishment of Study Centre at M.T.B. Arts College, Surat.		3,000
Basic grant for the purchase of Library books and journals during the 5th Five Year plan period (Science Department).		20,000
Construction of Science Block - Sanction of grant for.		50,000
Construction of Vice-Chancellor's Bungalow - sanction of grant for.		15,000
Grant-in-aid towards the construction of teachers hostel.		30,000

Affiliated Colleges

S.B. Garda College (Arts) and P.K. Patel College of Commerce, Navsari.	Grants to college libraries for loan of books to students (book banks).	1st	12,000
Sir K.P. College of Commerce, Athva Lines, Surat.	-do-	1st	12,000
Shree Jayendrapuri Arts & Science College, Broach.	-do-	1st	8,000

P.T.O.

South Gujarat University (Contd.)

Affiliated Colleges

Maganlal Thakordas Balmukunddas Arts College, Athwa Lines, Surat.	Grants to college libraries for loan of books to students (Book Banks).	1st	12,000
Patel Raman Bros Arts and Patel Gopalbhai Ranchhodji Commerce College, Bandoli-2, Distt. Surat.	-do-	1st	8,000
J.M. Shah Arts and Commerce College, Jambusar.	-do-	1st	8,000
Mahamandleshwar Shri Krishnanandji College of Commerce, Broach.	-do-	1st	8,000
A.S.K. Law College, Broach.	-do-		324
S.B. Garde Arts College and P.K. Patel College of Commerce, Nawasri.	-do-	2nd & final	4,000

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Total: 2,16,466.50

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77. Shivaji University

Junior Research Fellowships in Science/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	51,000
Senior/Junior Research Fellowships in Sciences/Payment of fellowship honorarium and contingency grant.		3,061.29
Junior Research Fellowships in Sciences/Humanities including Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	10,000
-do-	3rd	16,000
Establishment of students aid fund in Universities in 1974-75 - Release of grant for.		25,000
Allocation of unassigned grant during the fifth plan period.		15,000



Shivaji University (Contd.)

Affiliated Colleges

Shahaji Law College, Raviwar Peth (Kolhapur).	Students' Aid Fund in the Colleges-Grant for 1974-75.		189
Balwant College, Vita (Distt. Sangli).	-do-	3rd	30,000
Rajaram College, Kolhapur.	-do-	3rd	25,000
Smt. Kasturbai Walchand College, Sangli.	Establishment of Health Centre.		7,969
Rajaram College, Kolhapur.	Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Payment of fellowship and contingency grant.		2,983.97
Karmaveer Bhauroo Patil College, Urun-Istampur, Distt. Sangli.	Construction of Women's Hostel.	4th	50,000
Yeshwantrao Chavan Mahavidyalaya, Karmala (Distt. Sholapur).	Grants to affiliated colleges for the purchase of laboratory equipment.	2nd & final	2,500
D.P.B. College of Education, Sholapur.	Development of teachers training programmes in teachers training colleges - Special grant for the purchase of equipment and Audio visual aids.		2,500
Balwant College Vita (Distt. Sangli).	Grants to college libraries for loan of books to students (Book Banks).	1st	8,000
Karmaveer Bhauroo Patil College, Urun - Istampur (Distt. Sangli).	-do-	2nd & final	1,562
Sholapur College, Sholapur.	-do-	2nd & final	1,125
Karmaveer Bhauroo Patil College, Urun-Istampur.	-do-	2nd & final	1,375

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Total: 2,88,908.08

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P.T.O.

78. S.N.D.T. Women's University

Development of Teachers' Education & Research in Universities.		14,991.77
Appointment of teaching staff in the college of education at Bombay - Sanction of grant for.		50,000
Allocation of assigned grant during the V Plan - Release of grant for.	1st	12,500
Establishment of Students Aid Fund in Universities - 1975-76.		5,600
On account grant to the Indian Universities for hospitality, daily allowances etc. for foreign visitors under Cultural Exchange Programme 1975-76.		10,000

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Total: 93,091.77

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79. Sri Venkateshwar University

Financial assistance to teachers in the universities and colleges for undertaking research or learned worked in Humanities including Social Sciences.	1st	250
Award of P.G. Scholarships of the value of Rs.400/- p.m. to the I & II year students of 1974-75, admitted against approved intake in the faculty of Engineering and Technology including Pharmacy.		85,000
Junior Research Fellowships in Sciences/Humanities and Social sciences - Implementation of scheme during 1975-76.	1st	1,00,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	20,000
-do-	3rd	29,000
Writing of university level books/monographs.		3,000
Symposium on 'Cilaplathikaram' (either in the last of February or First week of March 1975).		4,000
College of Engineering - Development of UG Course in Engineering and Technology - Regarding.		10,500

Sri Venkateswara University (Contd.)

Organisation of Summer Institute in English for College Teachers during 1975 - Sanction of an 'on account' grant.		30,000
Workshop in Mathematics for College teachers (from April 22 to 27th April 1975).		5,000
UGC Assistance for the research project entitled "Investigations of some important subsidiary elements in ores of Rayalaseema and other parts of Andhra Pradesh" submitted by Professor N.Appala Bajju, Department of Chemistry, Approval and release of grants.		3,000
UGC Assistance for the research project entitled "Search for New Phytoalexins and related Compounds" submitted by Dr. M.V. Nayudu, Reader, in Botany- Approval and Release of grant.		5,000
UGC Assistance for the research project entitled "Extraction Polarographic Studies" Submitted by Dr. S. Brahmaji Rao, Reader, Department of Chemistry - Approval and release of grants.		15,000

Affiliated Colleges

The Adoni Arts and Science College, Adoni.	Construction of Library Building - Assistance for.	1st	20,000
Sri Padmavathi Women's College, Tirupati.	College science Improvement Programme - Selected Colleges Project : Grant-in-aid.	1st	80,000
Government Engineering College, Anantapur.	Students' Aid Fund in the Colleges-Grant for 1974-75		1,058
Government College for Men, Kurnool.	-do-		686
Jawahar Bharati Kavali (Nellore Distt.).	-do-		1,000
G. Adoni Arts and Science College, Adoni.	-do-		1,611
S.K.R. Govt. College, Gudur.	-do-		750

Sri Venkateswara University (Contd.)

Affiliated Colleges

Sri Sathya Sai Arts & Science College for Women, Anantapur.	Students' Aid Fund in the Colleges-Grant for 1974-75.	750
B.T. College, Madanapalle.	-do-	2,250
Sri Padmarathi Women's College, Tirupati.	-do-	1,750
D.K. Government College for Women, Nellore.	-do-	1,000

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Total: 4,20,605

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80. Udaipur University

UGC Assistance for the research project entitled "Synthesis of Antimalarial Drugs" submitted by Dr. K.S. Suresh, Reader in Chemistry, School of Basic Sciences & Humanities, Udaipur University - Approval & release of grants.	2,000
UGC Assistance for the research project entitled "Kinetic studies of Fast Reactions in Solution" - study of some Electron Transfer Reactions of Transition Metal Ions with compounds of Biological significance" submitted by Prof. G.V. Bakore, Department of Chemistry, approval and release of grants.	30,000
Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period (Science Departments).	40,000
Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period (Humanities Departments).	2,38,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Implementation of scheme during 1974-75.	1st 44,000

Udaipur University (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	11,000
-do-	3rd	18,000
Financial assistance to teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of 2nd instalment of grant.	1st	1,000

Affiliated Colleges

Lokmanya Tilak Teachers Training College, Dabok, Udaipur.	Students' Aid Fund in the Colleges - Grant for 1974-75.		350
Rajasthan Vidyapith Munikya Lal Verma, Shyamjeogi College, Udaipur.	-do-		812
B.N. College (Arts, Science & Commerce, Udaipur.	-do-		1,729
Rajasthan Vidyapith, M.V. Shyamjeogi College, Udaipur.	-do-	1st	8,000
Bhopal Nobles' College, Udaipur.	Grants to college libraries for loan of books to students (Book Banks).	1st	12,000

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Total: 4,06,841

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81. Utkal University

All India Summer Institute in Psychology held during summer 1973 - sanction of 3rd instalment of grant - payment of TA/DA to Shri G.S. Prabaraj, Department of Psychology, P.N. Mahavidyalaya, Khurda for attending the summer institute.	3rd	64.10
Writing of university level books/monographs.		1,906.10

P.T.O.



Utkal University (Contd.)

Grant-in-aid towards the construction of Women's Hostel - Third Plan Scheme - Continuing project.		30,000
Basic grant for the purchase of library books and journals during Fifth Plan period.	final	1,35,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	66,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	21,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers/payment of fellowships/honorarium and contingency grant.		2,700

Affiliated Colleges

Godavaris Maha-vidyalaya, Manpur (Puri).	Grant-in-aid towards the construction of Women's Hostel.	5th	50,000
Ravenshaw College, Cuttack.	Development of Postgraduate Studies in Science subjects.		16,000
Kandrapata College, Kandrapata (Cuttack).	Grant-in-aid for the construction of Non-resident students centre.	3rd & final	5,000
Vyasanagar College, Jaipur Road, Distt. Cuttack.	Students' Aid Fund in the Colleges-Grant for 1974-75		624
Dhankahal College, Dhankahal.	-do-		1,000
Maharaja Purna Chandra College, P.O. Baripada (Mayurbhanj).	-do-		1,750
Stewart Science College, Madhusudan Road, Cuttack-I.	-do-		607
Government Evening College, Balasore.	-do-		517
-do-	-do-		750

Utkal University (Contd.)

Affiliated Colleges

Ravenshaw College, Cuttack.	Grant-in-aid towards the construction of library building and as contenary grant.	3rd	50,000
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Total: 3,82,918.20

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82. Vikram University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	11,000
-do-	3rd	16,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	51,000
-do-	1st	34,000
Establishment of Health Centre.	final	5,000
Establishment of Study Centre		15,200
Construction of 23 Staff quarters		23,750
Assistance towards undertaking scheme on Bhojn's Sanskrit works on different branches of Indologi- cal Studies - sanction of grant for.		15,000
UGC Assistance for the research project entitled "Instabilities in Solid State Plasmas" submitted by Dr. S. Guha, Lecturer in Physics, School of Studies in Physics, Release of first instalment of grant.		9,500
Financial assistance to Teachers for research/learned work in Sciences - Payment of 2nd instalment of grant.	2nd & final	250
Assignment of a Russian Lady Teacher to the University under the Indo-USSR Cultural Exchange Programme.		3,860

Vikram University (Contd.)

Affiliated Colleges

Government College, Barwani.	Grants to college libraries for loan of books to students (Book Banks).	1st	8,000
Madhav Mahavidyalaya, Ujjain.	-do-	1st	8,000
Govt. College, Dhar.	Assistance for the construction of cpm site building comprising 2 class rooms and a girls common room on the ground floor and library hall on the first floor.	1st	20,000
Madhav Vigyan, Mahavidyalaya, Ujjain.	College Science Improvement Programme-Selected Colleges Project: Grant-in-aid.	5th	50,000
Govt. College, Khargone.	Construction of Men's Hostel.	2nd	15,000
Madhav Vidhan Mahavidyalaya, Ujjain.	Students' Aid Fund in the Colleges-Grant for 1974-75.		1,444
Govt. College, Mandsaur.	-do-		2,134
Government College, Jnora.	-do-		500
Government Degree College, Mucound.	-do-		539
Government -do-	-do-		1,000

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Total: 2,91,177

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83. Visva-Bharati

UGC Assistance for the research project entitled "Evaluation of physiological and biochemical responses of fish, chronically exposed to low levels of interacting thermal and chemical pollutional stresses, with reference to Tamla and Damodar River (Durgapur, W. Bengal) submitted by prof. A.B. Das, Head of the Department of Zoology, approval and release of grants.	11,000
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Visva-Bharati (Contd.)

UGC Assistance for the research project entitled "Studies on Synthetic Inorganic Ion Exchanges" submitted by Professor A.K. De, Head of the Department of Chemistry - Approval and Release of grants.		15,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	44,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	18,000
-do-	3rd	11,000
Senior/Junior Fellowships in Sciences/Humanities including Social Science Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers/payment of fellowships/honorarium and contingency grant.		2,996.77
-do-		2,958.06
Basic grant for the purchase of Scientific Equipment for the 5th Plan.		2,50,000
Compiling a Dictionary of Philosophical Symbolical and Religious Terms used in the M.H.L. - 4th Scheme.		3,000
Establishment of Student-aid-fund 1974-75		4,500
		<hr/>
	Total:	3,62,454.83
		<hr/>

INSTITUTIONS DEEMED TO BE UNIVERSITIES

1. Birla Institute of Technology & Science

Recurring grant for the award of Junior fellowship to students in Engineering and Technology admitted during 1974-75.	73,000
Writing of university level books/monographs.	1,000

P.T.O.

Birla Institute of Technology & Science (Contd.)

writing of university level books/ monographs.		3,994.24
UGC Assistance for the research project entitled "Effect of Exchange cation on the Catalytic Activity of Indian Clay Minerals" - submitted by Dr. Rup Dutta, Department of Chemistry - Approval and release of grant.		2,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences.	1st	1,000
Junior Research Fellowships in Sciences/Humanities and Social sciences - Implementation of scheme during 1975-76.	1st	1,10,000
Grants for support of research in the universities - Fourth Five Year Plan - Payment of the final instalment of grant.	final	23,047.32
Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period.		3,00,000
Unassigned grant for 1974-75	1st	15,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	30,000
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	Total:	5,59,041.56
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2. Central Institute of English  
and Foreign Languages, Hyderabad.

Organisation of Summer Institute in English and For College Teachers during 1975 - Sanction of an 'on account' grant.		30,000
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	Total:	30,000
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3. Gurukul Kangri Vishwavidyalaya

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	8,000
Senior/Junior Research Fellowships in sciences/Humanities including Social Sciences - payment of fellowship/honorarium and contingency grant.		2,712.90
Total:		10,712.90

4. Gujarat Vidyapith

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	13,000
Purchase of Books for the Basic Education Science Institute.		20,000
Basic grant for library books & journals.		50,000
Total:		83,000

5. Indian Institute of Science, Bangalore

Junior Research Fellowships in Science - Allocation of funds for implementation of the scheme during 1974-75.	3rd	43,000
Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology - Extension in Fellowship tenure - payment of fellowship to -		3,187.10
-do-		3,061.29
-do-		2,989.74
-do-		3,035.48
Junior Research Fellowships in sciences/Humanities and Social Sciences - Implementation of scheme during 1974-75.	1st	1,40,000

Indian Institute of science(Contd.)

Centre of Advanced Study in Bio-chemistry - Indian Institute of Science - release of 'on account' recurring and Non-recurring grants for 1974-75.	1,64,000
Utilisation of Services of Retired Teachers - Payment of honorarium.	3,000
Development Schemes under IVth Plan period - salary of additional staff for Science Departments.	6,363
Purchase of Library Books and Journals - sanction of grant for.	2,50,000
Development Schemes under - Plan Project - Expansion of Computer facilities.	5,00,000
Development Schemes - Liquid Helium Plant and 4 Circle Diffractometer.	14,00,000
Development Schemes under - Plan period - for Tax Duplex flats for academic staff.	13,00,000
Writing of university level books/ monographs.	3,033.33
Development Schemes under IVth Plan period.	2,76,000
UGC Assistance for the research project entitled -X-ray Crystallographic and other investigations on the structure and introduction of Biologically and Medicinally important molecules. Submitted by Dr. M. Vijayan, Assistant Professor, Molecular Biophysics Unit, Release of grants.	55,000
UGC Assistance for the research project entitled "Construction of a Differential Microcalorimeter for application to Biologically - important systems" submitted by Dr. V.S. Ananthanarayanan, Assistant Professor, Molecular Biophysics Unit - Approval and release of grants.	25,000
-do-	15,000

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Total: 41,92,669.94

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6. Indian School of Mines

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	11,000
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Implementation of scheme during 1975-76.	1st	30,000
		<hr/>
Total:		41,000
		<hr/>

7. Jamia Millia Islamia

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	8,000
Development Schemes during the IV Plan - Appointment of additional staff in Humanities and Social Science Departments - grant for -		25,000
Basic grant - Purchase of Science Equipment.		75,000
Basic grant for the purchase of library books and journals during Vth Plan period.	2nd	50,000
		<hr/>
Total:		1,58,000
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8. Tata Institute of Social Sciences

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	3rd	9,000
Basic grant for library books and journals - sanction of grant for - V Plan period.		20,000
Unit in Sociology of Education - Sanction of grant for.		50,000
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Total:		79,000
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9. Indian Institute of Technology, New Delhi

Writing of university level books/  
monographs. 2,000

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Total: 2,000

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10. Indian Institute of technology, Kanpur

Central Region Conference on  
Mathematics Education and  
Research from 6th and 8th March,  
1975. 10,000

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Total: 10,000

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Total Plan.

4,29,09,943.82

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NON - PLAN

1. Banaras Hindu University

Revision of scales of pay of  
academic staff with effect from  
1.1.1973 - Payment of grant for  
meeting the expenditure on the. 30,00,000

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Total: 30,00,000

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2. Delhi University

Affiliated Colleges

Institute of Home Economics, South Extension Part I, Ring Road, New Delhi. Delhi University Constituent Colleges-Additional expenditure incurred on account of revision of scales of pay of the non-teaching staff on the basis of recommendations of the Third Pay Commission and increased rates of D.A. 51,400

P.T.O.

Delhi University (Contd.)

Affiliated Colleges

Shri Ram College of Commerce, Patel Marg, Delhi-7.	Delhi University Constituent Colleges - Grant for Hostel Mess Staff for 1974-75.	3rd & 4th	9,800
Delhi College, (Day Classes), Ajmeri Gate, Delhi.	-do-	4th	1,800
Miranda College, Patel Marg, Delhi.	-do-	4th	9,600
Delhi School of Social Work, Delhi.	-do-	3rd	600
Central Institute of Education, 33, Chhatra Marg, Delhi.	-do-	4th	1,000
Indraprastha College for Women, Sham Nath Marg, Delhi.	-do-	4th	7,100
Lady Irwin College, Sikandra Road, New Delhi.	-do-	4th	6,300
Ramjas College, Delhi.	-do-	3rd & 4th	10,300
Hindu College, Delhi.	-do-	4th	7,000
Hastinapur College (Day Classes), Moti Bagh, New Delhi.	-do-	4th	2,60,800
Rajdhani College, Kirti Nagar, New Delhi.	-do-	4th	1,00,000
Shyama Prasad Mukherji College for Women, Tagore Garden, New Delhi.	-do-	6th	30,000
Indraprastha College for Women, Sham Nath Marg, Delhi.	-do-	4th	3,00,000
Central Institute of Education, 33, Chhatra Marg, Delhi.	-do-	6th	1,70,000

Delhi University (Contd.)

Affiliated Colleges

O.T. 1 Lady Shri Ram Collego for Women, Lajpat Nagar, New Delhi.	Delhi University Constituent Colleges - Maintenance Grant for 1974-75 -	4th	1,75,000
Kamla Nehru Collego, Defence Colony, New Delhi.	-do-	5th	2,24,000
Bharti Mahila Collego, Jhandewalan, Link Road, New Delhi.	-do-	5th	50,000
Collego of Education Studies, 7, Doctor's Lane, Gole Market, New Delhi.	-do-	4th	1,26,100
S.G.T.B. Khalsa Collego, Delhi.	-do-	4th	4,28,300
Shri Aurobindu Mahavidyalaya, Malviya Nagar, New Delhi.	-do-	4th	23,100
Dyal Singh Collego (Evening Classes), Lodi Road, New Delhi.	-do-	3rd	59,300
Miranda House, Patel Chest Marg, Delhi.	-do-	4th	2,68,000
Satyawati Co- educational Collego (Evening) Timarpur, Delhi.	-do-	3rd	8,000
-do-	-do-	3rd	8,000
Delhi Collego (Evening Classes), Ajmeri Gate, Delhi.	-do-	4th	1,70,000
Delhi Collego (Day Classes), Ajmeri Gate, Delhi.	-do-	4th	2,34,000
Lakshmbai Collego, Ashok Vihar-III, Wajirpur, Delhi.	-do-	4th	1,55,000
Rao Tula Ram Collego, Dhula Fau Marg, New Delhi.	-do-	4th	25,000

Delhi University (Contd.)

Affiliated Colleges

Kalindi College, East Patel Nagar, New Delhi.	Delhi University Constituent 4th Colleges - Maintenance Grant for 1974-75.	2,23,900
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Total:	31,42,400
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3. Visva Bharati

Revision of scales of pay of academic staff w.e.f. 1.1.1973 - Payment of grant for meeting the expenditure on the -	7,00,000
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Total:	7,00,000
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Total Non-Plan	63,42,400
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Grand Total ( Plan+ Non-plan)	4,97,52,343.82
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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 14th April, 1975

Item No. 4: To receive a statement showing expenditure incurred by the University Grants Commission during the year 1974-75 upto 31st March 1975.

Section I - Non-Plan Project

Budget Estimates (in lacs of Rs.)	Expenditure upto 31.3.1975(Provi- sional).
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A. Administration charges	59.51	58,69,217
B. Block Grants to Central Univ.	12,00.00	12,00,00,000
C. Maintenance grant to constituent/ affiliated colleges of Delhi Univ.	4,57.00	6,17,26,039
	7.12 @	
D. Scheme not covered under Block grants	3,64.36	3,14,23,864
Total Section - I	<u>20,87.99</u>	<u>21,90,19,120</u>

@Received from NCBRT for CIE

Section II - Plan Projects

A. Grants to Central & State Universities for Humanities		3,29,51,615
		* 1,52,785
B. Grants to Central & State Universities for Science		5,96,63,890
		* 10,24,423
C. Grants to Central & State Universities for Engineering and Technology.		2,75,31,396
		*8,417
D. Grants to constituent/Affiliated Colleges.		3,81,07,441
		* 9,331
E. Grants to Central & State Universities for Misc. Schemes.		8,94,20,990
		* 7,87,837
F. Misc. Expenditure		16,17,155
		*5,582
Unesco Coupons		5,07,800
Dollar Loan Scheme		2,88,201
Ram Charitar Manas (Invested in fixed deposit).		3,00,000
Total Section - II	<u>26,36.50</u>	<u>25,03,88,488</u> * 19,88,295
Total Section I & II	<u>47,24.49</u>	<u>46,94,07,608</u> * 19,88,295

\* By adjustment

Section-III - Expenditure out of grants received from Government of India and other sources for specific purposes.

i)	Evaluation of Books	1,600
ii)	Grants to Universities for organising Summer Institutes for school teachers (Out of contribution received from NCERT)	1,00,643
iii)	Fellows for writing of books	7,14,239 @ 50,019
iv)	<u>National Sports Organisation</u>	
	a) Construction of Gymnasium	7,86,265
	b) Play fields	69,843
v)	Dr. Zakir Hussain Memorial Lecturers	5,892
vi)	Aurbindo Memorial Lecturers	22,600
vii)	Gandhi Samarak Nidhi	23,042
viii)	National Award of Prizes	@ 7,830
ix)	Ram Charitra Manas	1,500
Total Section-III		17,82,603
Total Section I,II&III:		40,68,50,240 * 12,37,539

Section-IV: Deposits & Advances

i)	Conveyance Advance	22,567
ii)	Festival Advance	15,900
iii)	House Building Advance	1,37,248
iv)	Fan Advance	300
v)	U.G.C. Departmental Canteen	10,000
Total Section-IV		1,86,015

Expenditure during 1973-74 (upto 28th February, 1974) was as under:

Section I Non-Plan Project	11,37,33,322
Section II Plan Project	22,96,33,833
Total Section I & II	34,33,67,155

\* By Adjustment  
@ Administration Charges.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

①

Meeting:

Dated: 14th April, 1975

Item No.5: To receive a statement indicating the progress of issue of Utilisation Certificates during the period ending 15th March, 1975.

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The Commission had desired (Resolution No.5) dated the 8th October, 1973 that it is kept informed of the progress of clearance of Utilisation Certificates every month. The statement showing clearance for the period ending 15th March, 1975 is given in Annexure.

Finance Officer

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'CHUGH'

P.T.O.

(2)

ANNEXURE TO ITEM NO. 5

OUTSTANDING UTILISATION CERTIFICATES

Year	Position as on 30.6.71		Position as on 1.3.75		Position as on 15.3.75	
	No. of items	Amount in lakhs of Rs.	No. of items	Amount in lakhs of Rs.	No. of items	Amount in lakhs of Rs.
1953-54	219	82.79	-	-	-	-
1957-58						
1958-59	344	138.25	159	22.95	157	20.73
1959-60	680	199.76	343	56.39	337	45.39
1960-61	967	258.99	569	111.18	567	105.73
1961-62	1291	353.20	750	178.92	745	174.00
1962-63	1798	301.21	1092	56.02	1084	48.89
1963-64	2343	404.45	1331	177.39	1313	172.02
1964-65	3783	605.40	2539	366.43	2527	364.84
1965-66	4752	660.32	2704	204.27	2684	200.64
1966-67	4426	703.61	2468	183.16	2462	182.00
1967-68	5764	1107.57	2711	181.80	2692	179.10
1968-69	8509	1545.98	4139	447.06	4104	441.84
Total:	34876	6361.53	18805	1985.57	18672	1935.18

Items Cleared (1.3.75 to 15.3.75) = 133

Amount Cleared = Rs.50.39 lakhs.

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CHUGU:



CONFIDENTIAL

University Grants Commission

③

Meeting:

Dated: 14th April, 1975

Item No. 6: To consider the minutes of the meeting of the Science Research Council held on 7th February, 1975.

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The meeting of the Science Research Council appointed by the Commission was held on 7th February, 1975. The proceedings of the meeting are given in annexure. The major recommendations made by the Council are given below: -

1. The Council felt that the list of the equipment lying idle which has already been sent to the Central Scientific Instrumentation Organisation for advice regarding setting them right may also be sent to the other universities and research laboratories which may have good workshop facilities to explore the possibility if these workshops could undertake repair work of these equipment from the universities in their neighbourhood.
2. The visiting committees visiting universities may be requested to impress upon the universities the urgency and need for getting such idle equipment repaired and Commissioning them to use. The Committees could also look into the needs of setting up small departmental workshop or centralised workshop facilities so that the universities can have essential services for maintenance and repairs of scientific equipment.
3. The Council emphasized the need of setting up regional instrumentation centres as suggested in the earlier meeting.
4. The Council appointed a sub-committee consisting of Professor Yash Pal, Dr. Nitya Nand, Dr. Jagdish Shankar and Professor B.M. Udgaonkar to prepare a proposal in respect of the equipment remaining unused at present.
5. The Council felt that the University Grants Commission should consider and work out a method by which each teacher in the university and postgraduate department in the college would be given a basic grant as a core support for research.

(4)

6. The Council suggested that Professor Yash Pal and Professor Udgaonkar may work out specific proposals with regard to the joint collaboration between universities and Indian Space Research Organisation.
7. The Science Research Council approved the recommendations of the various subject panels regarding research projects and recommended to the Commission that these proposals may be supported. This has already been approved by the Commission at its meeting in February 1975 (vide item No.32) and the universities have been informed about the Commission's decision.
8. The Council considered the specific proposals received from the universities for providing liquid nitrogen plant and felt that the proposals received from the Department of Physics, Punjab University and Department of Physics, Poona University could be supported. The Council further felt that these plants when installed should work as a central facility not only for the various departments of universities but also for supply of liquid nitrogen cylinders to neighbouring universities. Action is being taken in respect of various suggestions/recommendations of the Science Research Council.

The matter is placed before the Commission for information

E.O.(SR)

Proceedings of the meeting of the Science Research Council of the University Grants Commission held on 7th February, 1975.

(5)

A meeting of the Science Research Council of the University Grants Commission was held in the UGC's Office on 7th February, 1975. A list of members present is attached. Prof. Satish Chandra, Vice-Chairman, University Grants Commission presided over the meeting.

Item No. 1: To receive a note on the action taken on the proceedings of the last meeting of the Council held on 20th March, 1974.

The Committee generally reviewed the progress made so far by the various panels in science subjects particularly with regard to the evaluation of the research proposals received from the universities. It also noted the action taken so far on the various recommendations made by the Science Research Council at its last meeting held on 20th March, 1974.

Arising out of this, the Committee discussed, in particular, the question relating to the equipment remaining unused in the universities. It was felt that the list of such equipment which has already been sent to the Central Scientific Instruments Organisation for advice regarding setting them right so that they could be put to use, may also be sent to other universities and research laboratories which may have good workshop facilities to explore the possibilities if these workshops could undertake repair work of equipment from the universities in their neighbourhood.

The visiting committee visiting the universities may also be requested particularly to impress upon the universities and the departments concerned of the urgency and need for getting such "idle" equipment repaired and commissioning them to use by utilising part of the equipment grants sanctioned by the University Grants Commission. The committees could also look into the needs of setting up of small departmental workshop facilities or centralised workshop facilities with necessary technical personnel so that the universities can have essential services for maintenance and repair of scientific equipment.

The Committee further emphasised the need of setting up of regional instrumentation centres as suggested by it in the earlier meeting also. In this connection a reference was made to a proposal which had been made by the Bombay University and it was desired that action may be initiated on that proposal by obtaining necessary number of copies and getting it evaluated by reference to a few experts.

(6)

It would also be useful to bring together for information of the universities and colleges various repair facilities that may be available in different parts of the country. In future, whenever a university desired to obtain a major item of equipment, it should also include provision for appointment of a suitable technician to look after such equipment and also for obtaining necessary spare parts etc., which are required for replacement due to normal wear over a period of time.

In the case of the list of equipment remaining idle at present, it was agreed that a Sub-Committee consisting of Professor Yash Pal, Dr. Nityanand, Dr. Jagdish Shankar and Professor B.M. Udgaonkar may prepare a proposal for consideration by the University Grants Commission.

The Committee then took note of the views expressed by the University Grants Commission on some of the recommendations made by the Science Research Council. Arising out of this, it was felt that the University Grants Commission should consider and work out a method by which each teacher in the university and postgraduate departments in the colleges could be given a basic grant as "core support for research". The question whether such a grant should be given as developmental assistance on a continuing basis or given as plan assistance to be taken over as maintenance expenditure by the universities concerned at the end of a Plan period could be considered and a suitable method worked out which would ensure each teacher having an annual grant for meeting the minimum requirements of his research work. A view was also expressed that since several teachers in the universities may have sponsored research programmes which would provide for such expenditure, this aspect could be taken into account while deciding the core support for research to individual teachers. The other possibility would be to increase the number of research projects under the minor research schemes part of the UGC's assistance. It was noted that during the current year, about 275 small research projects had been accepted for support by the University Grants Commission. This question of providing research support by way of basic grant to all teachers would no doubt be governed by the availability of the resources to the University Grants Commission.

Item No. 2: To consider the recommendations made by the Panel of Scientists regarding improvement of teaching and research in universities.

The Committee generally noted the various suggestions made by the individual subject panels for improvement of teaching and research in the universities. It was mentioned that the different panels were presently engaged in preparing a status report and also identifying the major areas to be developed during the next few years. The Committee felt that

the recommendations made by the panels covered all aspects of university education and it would therefore be necessary to analyse these recommendations and to bring up before the Science Research Council such recommendations which have a reference to the work of the Science Research Council. It was also felt that the various recommendations made by the Bi-national Conferences held in the past five years could be implemented on a selective basis in different universities. Another view expressed in this connection was that if development of selected areas is to be ensured, it would be necessary for the visiting committees in the Fifth Plan to specifically indicate the areas in which additional posts are to be created and also other grants required for the development of the specified areas within each department. A general purpose grant may not be conducive for specific orientation and growth of individual disciplines.

Item No.3: To consider a proposal for establishment of link-ages between universities & national laboratories.

The consideration of this item was postponed. It was however felt that specific proposals for interaction between universities and the national laboratories could be invited by writing to the agencies, such as, the CSIR, BARC, ISRO, ICAR etc. The views expressed in the notes placed before the Science Research Council may also be circulated to these agencies so that their reactions could become available. Any specific proposals that may be received for university/ research laboratories collaboration could be considered by the Science Research Council. In this connection it was suggested that Dr. Yash Pal and Professor B.M. Udgaonkar may work out specific proposals with regard to the joint collaboration between universities and the Indian Space Research Organisation.

Item No.4: To approve the research projects recommended by subject Panels for financial assistance by the Commission during Fifth Plan period.

The Science Research Council considered the recommendations made by the subject panels with regard to the research projects which may be supported by the University Grants Commission. It was noted that out of 511 proposals received so far since March 1975, 238 proposals had been got evaluated and considered by the panels and of these 93 projects had been recommended to be supported at a total cost of Rs.58,22,000/-. The other projects were either not accepted or required revision and resubmission. There were 273 other projects which were being processed for consideration by the panels. In view of the large number of research proposals on hand, it was felt necessary that the Science Research Council may have, during the year, an extra meeting in July 1975. The subject panels may be requested to consider the remaining projects on hand and make available their recommendations for the Science Research Council's meeting to be held in 11th July, 1975.

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The Science Research Council approved the recommendation of the different panels and requested that the University Grants Commission may take immediate action to support these projects and provide necessary funds. The individual research scientists may also be informed of the final decision taken on their research projects. Further, periodical lists with sufficient details may be prepared with regard to the on-going research projects, subjectwise and discipline-wise and this information may be circulated to the universities.

It was felt that it may be possible for some projects to be funded jointly by the University Grants Commission and other agencies, such as, Indian Space Research Organisation, Atomic Energy Department, Council of Scientific and Industrial Research etc. Such proposals may also be identified and discussed with the agencies concerned. A beginning may be made in this connection by a group consisting of Professor B.M. Udgaonkar and Dr. Yash Pal with regard to identification of suitable research programmes in space sciences.

Item No.5: To consider the question of providing Liquid Nitrogen Plants to universities.

The Committee considered the request received from some of the universities for obtaining Liquid Nitrogen Plants and the necessary for exchange required for the purpose. It was felt that facilities, such as this, should be made available on a regional basis and located in universities which have major research programme, requiring the use of Liquid Nitrogen. Such a centralised facility should be available for use by the neighbouring universities and for this purpose proper storage and transport facilities should also be available. In this connection it was mentioned that the Philips India had made a proposal to the Electronics Commission for the manufacture of a large number of Liquid Nitrogen Plants of small capacity, say, 6 litres. If an appropriate estimate of the number of plants likely to be installed in the universities with funds from the UGC could be made available to the Electronics Commission, the Electronics Commission could then take up the matter with the manufacturers for setting up the necessary plant capacity and make them available indigenously etc. This would result in saving of foreign exchange also. It was felt that during the current plan period about 20 to 25 such units may be required by the universities.

As regards the specific proposals placed before it, the Science Research Council felt that the proposals received from the Department of Physics, Panjab University and the Department of Physics, Poona University could be

supported. It should however be made clear that these plants, when installed, should work as a central facility not only for the various departments of the university but also for supply of liquid nitrogen cylinders for the neighbouring universities.

Item No.6: To consider a proposal for the development of He-Ne Laser jointly by the Indian Institute of Science, Bangalore and the Indian Institute of Technology, Kanpur.

The research project and the feasibility report related to the development of He-Ne Laser jointly by the Indian Institute of Science, Bangalore and the Indian Institute of Technology, Kanpur was considered in the light of the comments received from Dr. Katti. It was noted that the knowhow developed by the National Physical Laboratory, Delhi had been given out through the NRDC to the Laser Instruments Company for manufacture of Low Cost Helium-Neon Lasers and such lasers were now available commercially at a cost of about Rs.3,000/- each. In view of this, it may not be necessary for these institutions to go in for research and development with a view to producing 100 units of such lasers for use by the universities. If the existing commercialised units would not meet the demands of universities, the two institutions could take up a specific research programme to suggest necessary improvements with regard to the coating, longevity etc. It was felt that in order to identify such a research component, a joint meeting could be organised between the National Physical Laboratory, Dr. Katti and the two sponsors of the original research proposal. The Science Research Council could consider providing necessary assistance for supporting such research activity rather than for producing of multiple units of lasers which are otherwise commercially available.

Item No.7: To consider the desirability of establishing specialised seminar libraries in the universities.

The Science Research Council considered the suggestion made by the Standing Committee on Development of Libraries in Universities and Colleges. It was felt that in the case of the Science subjects it would be necessary to have working libraries within the department as well as, central library facilities. Care should however be taken to avoid any duplication in the matter of acquiring books and journals. Any journals or back volume of journals which are required by more than one department should be available in the central library facility.

Item No.8: To consider a proposal made by Shri Alok Sanyal for establishing Science Societies in Universities.

The Science Research Council did not consider it necessary to express any particular view with regard to the

(10)

proposal made by Shri Alok Sanyal for establishing science societies in the universities. Popularisation of science could be taken up by various professional societies in collaboration with the universities concerned.

Item No.9: To consider the question of laying down a calendar for the meetings of Science Panels and Science Research Council.

The Science Research Council agreed with the view that it would be necessary for it to have a regular calendar for meetings. It was agreed that the Science Research Council may meet twice each year in March and November and the subject panels may meet in between, as suggested in the note. However, as already mentioned, the Science Research Council may have an extra meeting during the current year on 11th Jul. 1975. The subsequent meeting may be held on 7th November, 1975. The date for the next meeting to be held in March 1976 could be fixed in the November meeting.

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APPENDIX

Members of the Science Research Council present  
at the meeting on 7th February, 1975.

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1. Professor K.D. Abhyankar,  
Astronomy Department,  
Osmania University,  
Hyderabad.
2. Professor R.P. Bambah,  
Department of Mathematics,  
Panjab University,  
Chandigarh.
3. Professor S.C. Maheshwari,  
Botany Department,  
Delhi University,  
Delhi.
4. Professor R.C. Mehrotra,  
Vice-Chancellor,  
Delhi University,  
Delhi.
5. Dr. N.W. Narurkar,  
Director,  
Government of India,  
Department of Electronics,  
Vigyan Bhavan Annexo,  
New Delhi.
6. Dr. Nityanand,  
Director,  
Central Drug Research Laboratory,  
Lucknow.
7. Dr. Yash Pal,  
Director,  
Space Applications Centre,  
Ahmedabad.
8. Professor A.K. Saha,  
Geology Department,  
Presidency College,  
Calcutta.
9. Professor O. Siddiqi,  
Molecular Biology Group,  
Tata Institute of Fundamental Research,  
Bombay.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

13

Meeting

Dated: 14th April, 1975

Item No.7: To consider a reference from the Government of India, Ministry of Education & Social Welfare regarding payment of maintenance grants to "deemed" Universities by the University Grants Commission.

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The Ministry of Education and Social Welfare had suggested sometime in April, 1973 that the University Grants Commission may consider the question paying maintenance and development grants to the following deemed to be universities in pursuance of Section 12 (cc) of the UGC Act which empowers the Commission to allocate and disburse grants to deemed to be universities for maintenance in special cases and/or development and/or for any other general or specified purposes. The names of the institutions suggested being:-

- (1) Jamia Millia Islamia, New Delhi,
- (2) Kashi Vidyapith (since has become a State University),
- (3) Gujarat Vidyapith,
- (4) Gurukul Kangri Vishwavidyalaya, and
- (5) Tata Institute of Social Sciences.

The Ministry of Education had also indicated that in the case of Indian Institute of Science, Bangalore, and Indian School of Mines, Dhanbad, the responsibility for payment of maintenance grants to these Institutions should continue to be with the Technical Education Division of the Ministry of Education as it is important that the development and maintenance of Central/Technical Institutions including those deemed to be universities are dealt with in a coordinated manner.

The University Grants Commission had indicated that it would be prepared to take over the responsibility for the payment of maintenance grants to the Institutions deemed to be universities which are at present receiving maintenance grant from the Government of India provided the work relating to the payment of maintenance grant in respect of all such institutions including the Indian Institute of Science, Bangalore and the Indian School of Mines, Dhanbad is transferred to the University Grants Commission alongwith the requisite non-plan funds. The Commission had also wanted to know then, whether under the University Grants Commission Act the Commission could give maintenance grants for schools also which are a composite part of a few of the Institutions deemed to be universities. The Ministry of

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Education subsequently indicated that the schools attached to some of the deemed to be universities are part and parcel of such institutions as they serve as practising schools for teacher training wings and cannot be delinked from the entire complex.

communication The Ministry has again in a recent discussed further indicated with the Union Education Minister and has suggested that that this if the Commission were to take over the development and matter has maintenance of the deemed to be universities indicated been earlier including the Central Institute of English and Foreign Languages, Hyderabad which has also since become a deemed to be university, it would not only result in better coordination of work but also would help in their proper development in line with the statutory universities. The Ministry on its part has suggested that the maintenance and development of these five institutions may be taken over by the University Grants Commission w.e.f. 1.4.1975 and for this purpose the Ministry of Education has also agreed that the provisions included in the budget estimates for 1975-76 Plan as well as non-Plan would be transferred to the Commission. The Ministry has further agreed that the final allocation agreed to for these institutions would also be transferred to the University Grants Commission so that the budget provisions and plan allocations will be utilised for these institutions only and they will not be merged with the corresponding provision of the Commission for its other schemes.

The following facts may be stated here in this connection.

- (1) At present the following Institutions are deemed to be universities under the UGC Act.
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| 1. | Indian Institute of Science, Bangalore                         | 1958 |
| 2. | Indian Agricultural Research Institute, New Delhi.             | 1958 |
| 3. | Gurukul Kangri Vishwavidyalaya, Haridwar.                      | 1962 |
| 4. | Jamia Millia Islamia, New Delhi                                | 1962 |
| 5. | Gujarat Vidyapith, Ahmedabad.                                  | 1963 |
| 6. | Tata Institute of Social Sciences                              | 1964 |
| 7. | Birla Institute of Technology & Science                        | 1964 |
| 8. | Indian School of Mines, Dhanbad.                               | 1967 |
| 9. | Central Institute of English and Foreign Languages, Hyderabad. | 1974 |

The maintenance and development grants to the Indian Agricultural Research Institute, are provided by the Ministry of Agriculture. The Birla Institute of Technology and Science, Pilani is not being paid any maintenance grant so far, though this question had been taken up with the Ministry of Education a few years ago. All other Institutions mentioned above are paid maintenance grant by the Ministry of Education now, though for some years in the past the University Grants Commission was paying maintenance grants to Indian Institute of Science, Bangalore from 1961 to 1966, Gurukul Kangri Vishwavidyalaya and Gujarat Vidyapith from 1964 to 1966, and the erstwhile Indian School of International Studies from 1961 to 1966. The payment of maintenance grant to these institutions were discontinued w.e.f. 1966-1967. When the controller and Auditor General opined that under the UGC Act maintenance grants could not be paid to institutions deemed to be universities. The Commission at no stage paid maintenance grants to Tata Institute of Social Sciences and the Jamia Millia Islamia. In the case of Jamia Millia Islamia grants were not paid at that time as expenditure on the Institution included expenditure on schools run by it and schools did not come within the purview of a deemed to be university. However/Gujarat Vidyapith which is also running a school, the maintenance grant was paid by the University Grants Commission.

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Regarding the Indian Institute of Science, Bangalore, since 1966-67 the matching grants are provided by the Ministry of Education and this Institute has been treated for all intents and purposes as a Central University. The Birla Institute of Technology and Science, Pilani provides matching share from its own resources and so far as Indian School of Mines, Dhanbad is concerned, the Ministry of Education has already agreed to transfer the provision for developmental programmes, to the University Grants Commission.

The Commission at its meeting held in October, 1974 (item No.6) while considering the recommendations of the Review Committee which reviewed the working of Indian Institute of Science) noted the fact that the maintenance grant to the Indian Institute of Science used to be paid by the Commission till 1965-66 and subsequently this was being paid by the Ministry of Education on the advice of the Law Ministry, since the University Grants Commission did not have the powers to pay maintenance grants to Institutions which are deemed to be universities. The Review Committee's recommendations have been accepted by the Visitor (President of India) in principle and the Committee has also noted that under the amended UGC Act, the Commission would be solely responsible for both development and maintenance grants of the institute and considers that it is very necessary that the maintenance

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grants are also paid by the University Grants Commission. The Commission felt that in the best interest of the development of the Indian Institute of Science, Bangalore the grants provided under Plan and Non-Plan to the Institute should be paid from one source i.e. the University Grants Commission as suggested by the Review Committee. As decided by the Commission this matter has been taken up with the Government of India and a decision is awaited.

If the Ministry of Education is wanting to transfer the work of payment of maintenance grant to institutions deemed to be universities to the University Grants Commission as now the UGC under the amended Act is empowered to do so under Section 12(cc) of the UGC Act then, it should be more useful and it would lead to better and effective coordination if all the deemed to be universities, were paid maintenance grants by the Commission. In the case of Jamia Millia Islamia and Gujarat Vidyapith, the question of the competence of the University Grants Commission to pay such grants will however be needed to be sorted out.

It is also seen that the following budget provisions exists/existed for payment of maintenance grants (non-plan in the Ministry of Education page) for the Institutions deemed to be universities as below:-

	<u>1973-74</u>	<u>1974-75</u>	<u>1975-76</u>
	Rs. in lakhs	Rs. in lakhs	Rs. in lakhs
1. Indian Institute of Science, Bangalore.	137.95	193.20	204.00
2. Indian School of Mines, Dhanbad.	27.70	43.74	41.77
3. Jamia Millia Islamia New Delhi.	27.74	37.40	37.40
4. Gurukul Kangri Vishwavidyalaya, Haridwar.	6.30	7.93	8.38
5. Kashi Vidyapith	8.80	-	-
6. Gujarat Vidyapith, Ahmedabad.	6.79	10.90	11.33
7. Tata Institute of Social Sciences Bombay.	7.30	9.78	9.74

The following are for consideration in this respect.

1. Since the University Grants Commission is now empowered to pay maintenance grant to deemed to be universities, it would be better if the Commission pays the maintenance grants to all the deemed to be universities and not some of them.
2. The Ministry of Education & Social Welfare feel that in order to deal with the development and maintenance of all Central/Technical Institutions including Indian Institute of Science, Bangalore, and Indian School of Mines, Dhanbad in a coordinated manner, it is necessary that the responsibility for payment of maintenance grant to them should rest with the Ministry of Education. In view of the fact that the University Grants Commission is paying the development grants of both the Indian Institute of Science, Bangalore and Indian School of Mines, Dhanbad now, and as recommended by the Review Committee which reviewed the working of the Indian Institute of Science, Bangalore it would be desirable for the Ministry of Education to agree that the development and maintenance of both these institutions are dealt with ~~the~~ University Grants Commission so that there would be better coordination of the development and growth of all the deemed to be universities.
3. While agreeing to this, it will have to be ensured in consultation with the Law Ministry that the University Grants Commission will be competent to give maintenance grants to Jamia Millia Islamia and Gujarat Vidyapith which have schools attached to them. But since these schools are only practising schools for the Teacher Training Wings of these Institutions it cannot be delinked from the entire complex as such the Law Ministry may be consulted about the competence of the University Grants Commission to pay the maintenance grant to these Institutions.
5. If it is agreed that the University Grants Commission would pay the maintenance grants to all the institutions deemed to be universities then the budget provisions that exists for 1975-76 would be required to be transferred to the University Grants Commission which the Ministry has already agreed in the case of five institutions indicated above.

The matter is placed before the Commission for its consideration.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 14th April, 1975

Item No.8: To consider the question of assistance to Universities for field work in different disciplines.

The Commission during the Fourth Five Year Plan period provided grants to universities for meeting expenditure on field training work in Geology on a 50:50 basis subject to the condition that the Commission's share for the purpose would be limited to Rs.3,000/- per annum per university. The expenditure to be incurred on field training work included railway fare, transport charges of tents, camp furniture, rock specimen and wages of the staff engaged during the camp.

The Commission at its meeting held on the 12th August, 1974 (Item No.14) considered the question/incurred such expenditure on field training work in Geology during the Fifth Five Year Plan period and agreed to provide assistance for the year 1974-75 only to universities for field work in Geology, Applied Geology and Geo-Physics on the same basis as in the Fourth Plan. This decision of the Commission has already been communicated to the universities and the Scheme is under implementation for the year 1974-75.

The Commission also subsequently agreed that in case a university has no university department of Geology of its own, the assistance for field work in Geology may be made available to affiliated colleges providing M.Sc. teaching in Geology though the assistance will be limited to Rs.3,000/- per annum on a 50:50 sharing basis. In case a university as well as colleges affiliated to it provide Postgraduate teaching in Geology and if the University so desires, it can use this assistance for both university and college departments provided the total assistance from the University Grants Commission under this scheme does not exceed the maximum amount of Rs.3,000/- per annum.

The Commission at its meeting held on 12th August, 1974 (Item No.14) had also desired that the question of assistance to universities for field work in different disciplines be referred to the Committees of Convenors of various subject panels so that the question of assistance to universities for meeting of expenditure on field training work in different disciplines could be considered by it.

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Accordingly the matter was referred to the Convenors of the Science and Humanities Social Science Panels.

Recommendation of Science Panels regarding assistance to universities for field work in Science subjects.

The Convenors felt that field work was important for postgraduate students not only in earth sciences but also in subjects such as Botany Zoology, Biological Sciences or Life Sciences and Anthropology and Geography. The Committee, therefore, recommended that the Commission may provide assistance for undertaking such field work by students, on the basis of approved programme, and provide grant to all universities to meet 50% of the actual expenditure on travel subject to a maximum of Rs.200/- per student per year as UGC share. The other 50% of the expenditure should be met by the institution concerned. The Commission may not give any assistance for living expenditure during the days of field work.

Recommendations of the Convenors of the Panels in Humanities and Social Science subjects.

1. Recommendation regarding field training work of History

In almost all the Universities, where history is taught, the subject of art and architecture, together with ancient and medieval archaeology, form an important part of the curriculum. Questions are invariably set on these subjects at both the B.A. (Hons) and the M.A. stages. Differing according to the nature of the subject, it becomes necessary for the students to carry on field study from two to four weeks. Even where the syllabus does not have much of archaeology art and architecture, students are required to visit historical sites at least for a week.

At present in the departments of ancient Indian History and archaeology there is some provision for field work. But in the departments of history there is hardly any provision worth the name.

It will be therefore helpful if an amount of Rs.2500/- for every history/ancient Indian history and archaeology department is earmarked for this purpose. However, the distribution will have to be made according to the strength of the students who offer art, architecture and archaeology in the different universities. Since there will be about 60 departments, the total amount might come to Rs.1,50,000/-.

2. Recommendation regarding field training work in Economics.

As far as Economics is concerned, field work can be imaginatively used in various ways to make Economics

studies more relevant and life like. To begin with, it may be assisted in subjects like Agricultural Economics for group field work at the M.A. level. It can also be considered for introduction at B.A. stage to specially select institutions like autonomous colleges and departments where group of students can work on problems of common interest involving field work. The problems may pertain to surveys, evaluations or action programmes. The main help needed would be for travel and, in some cases, for stay.

For B.A. students, it would be enough if the grant is made at Rs.10/- per student to cover nearly 10 field trips. For M.A. agricultural economics students, enough allowance be given to go and stay in villages for a week - say Rs.50/- a student. More will be needed if a dissertation is encouraged in place of a paper - say Rs.100/- a student. Assistance to Ph.D. students will be in a separate category and will depend on the nature of the subject and research topic, and should be covered by a special research grant scheme.

In some Universities, a National Graduate Scheme, is in operation. For example, the University of Bombay handles currently a National Graduate Scheme which involves extended stay upto one year for the graduates selected under the scheme in rural areas. It is now proposed that besides field experiences, the graduates will also receive regular training which would lead to a specialised degree in Rural Development Programme. Such arrangements would provide also the basis for arranging field trips for M.A. students offering Agricultural Economics as special subject, if necessary finance is forthcoming.

3. Recommendation regarding field training work in Political Science.

As far as the discipline of Political Science is concerned, more and more Universities are tending to give an empirical orientation to their syllabi particularly at the postgraduate and M.Phil. levels. This naturally necessitates provision not merely for field training but also for field work at the M.A. level.

As far as the type of field work in the discipline is concerned, it usually relates to survey village and urban areas, work in administrative units, interviews in regard to perception attitudes and the like.

As far as the level of courses in which field work may be undertaken is concerned, it is usually at the M.A. and Post-M.A./M.Phil/M.Litt. levels.

As far as duration of field work is concerned, it can be anywhere from 15 days to three months.

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To begin with Departments of Political Science which require financial assistance for field work could be given a yearly subsidy of Rs.5,000/- which would be about Rs.25,000/- per department during the Fifth Five Year Plan period. For the needs of the discipline in the country as a whole a sum of about Rs.5 lakhs may be sufficient because at the moment a large number of Departments may not be forthcoming to ask for this assistance.

#### 4. Recommendation regarding field training work in Philosophy

Not infrequently certain types of doctoral as well as post-doctoral research in Philosophy may involve field work. It is possible that some times students of the M.A. classes may undertake projects of the same sort at a commensurate level selecting less intricate problems.

2. As instance of investigations requiring field work the following may be cited:-

(a) Holding with Dewey, Mead and other that Scientific method is applicable to values also, a scientific study of values and evaluation may be undertaken and an attempt can be made to integrate the results thus obtained with the recognized branches of empirical science. Professor Charles Morris's outstanding work of this type is to be found in his varieties of Human Value, Chicago 1956.

(b) Considering semiotic to be a branch of philosophy, one may undertake to study the relationship of verbal or non-verbal symbols to the experiences they encode and to what they signify. One may also considering philosophy to be a critic of statements collect statements of different sorts in English and Indian Languages, attempt an analysis of them and try to build a hierarchy of levels of language within each language. It is also possible to study the whole problem of communication and communicative behaviour. All this may involve field work.

(c) The Vth Plan Philosophy Panel listed "The contribution of Mathematics and Sampradayas" as an area of research to be fostered. Such work may necessitate visits to Maths., Viharas and Ashramas and meetings and discussions with religious men. As examples of such work may be cited G.W. Briggs' Gorakhnaths' & Kanphata Yogis Delhi 1973 and Peter Brents Godmen of India, London, 1972.

(d) Ideals like altruistic love and techniques of realising them may be studied applying empirical methods to the extent possible. An excellent example of such an investigation is P.Sorokin's Altruistic Love; A study of American Good Neighbours and Christian Saints, Beacon Press, 1950.

3. Field work of this nature for M.A. students may not ordinarily exceed a month in a year; while for doctoral and post-doctoral degrees it could take an year or more in each case.

4. Financial support for field work for Ph.D. and Post-doctoral work may be determined separately for each individual case by the Fifth Plan Panel in Philosophy.

Financial support for field work which may be undertaken by M.A. students may be limited to Rs.5,000/- per annum for University. Assuming that not more than half a dozen Universities may be interested in field work of this kind, Rs.30,000/- per annum may be allocated on an experimental basis for this plan period.

5. If any University requests financial aid for field work in Philosophy with a detailed plan, it may be referred to the Philosophy Panel, on the recommendation of which the grant can be made to that University.

5. Recommendation regarding field training work in Psychology.

For teaching Psychology it is absolutely necessary for the students to have field work in certain areas. In fact many departments are facing enormous difficulties in procuring funds for field work. They are regularly getting some money from the University but that is not considered adequate. The University Grants Commission should make some provision for field study in Psychology.

(i) The types of field work involved in the discipline:

a) The Psychology students should visit the Mental Hospitals to get practical training and first hand information about the Mental Patients.

b) Students offering Industrial Psychology should get a chance to visit some Industries.

(c) Students doing Educational Psychology should visit some schools and get first hand information about teaching-learning problems. They might even assist the teacher in solving some of his problems.

(ii) The level of courses in which this is necessary:-

It is necessary both at the B.A. and the M.A. level, wherever such papers are taught. But first priority should be given to Postgraduate students.

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(iii) Duration of field work.

It would depend on the nature of course and the type of training required by the department. It is suggested that 2-4 weeks should be the minimum for such field work.

(iv) Necessary support for the purpose during the Plan period.

Necessary financial assistance should be provided in the Fifth Plan period on 50:50 sharing basis subject to the condition that the Commission's share for the purpose would be limited to Rs.2,000/- per annum for any particular Postgraduate department. The funds should be ear-marked for different departments eligible for such help.

6. Recommendation regarding field training work in Linguistics.

Field work involved in Linguistics is of three types:-

1. Teaching of the paper in Field Methods at M.A. level in Linguistics. The requirement here is not to go on the field but to get a native speaker of the language under in the class. Usually a language not known to the students and of a different language family is chosen for this purpose. The native speakers, therefore, have to be brought from distant areas. The course usually goes on for one term or two terms. The expenses required are travel allowances for the native speaker and living expenses. Sometime one can get a native speaker of such a language on the Campus or in the city in which case daily allowance is fixed for the days when the field Methods course is offered in the class-room. This is a compulsory paper for M.A. in Linguistics.
2. Research students working for Ph.D. may choose a language hitherto un-described and have to go on field work. Alternatively, research students in socio-Linguistics or psycholinguistics may also require to do field work in urban areas. The expenses for this field work should come from the research grant available for the specific project of the student.
3. The members of the staff of the department of linguistics may want to conduct field work which requires a stay on the field for a period of four to six months. Normally funds for the research project provide support for travel and out of station expenses, but there is no provision made for the salary of the teachers who may have to take six months leave for field work. There should be some

financial arrangement by which the members of the staff of such departments should be able to take six months of (once in three or four years) to conduct field work, on full pay.

7. Recommendation regarding field training work in Sociology.

In this connection I would like to say that as far as Sociology and Anthropology are concerned field work at the M.Phil. and Doctoral levels in these disciplines is essential and indispensable. For research sociologists have to rely solely on generation of data through observation of social reality at the first hand later to be supplemented if necessary by other levels of data. It therefore, goes without saying that field work programmes would have to be supported and reinforced in a big way to improve the standards of research at M.Phil. and Doctoral level in Sociology and Social Anthropology at our Universities.

As far as field work at the M.A. and undergraduate levels are concerned, this remains still a matter of controversy among Sociologists. By and large, financial support for field work at this level may not be necessary nor to my mind encouraging students to do intensive field work at this stage may be useful unless of course M.A. degree itself is a research degree as it used to be at the Bombay University some years ago. At best, as at present it should continue as a part of research methodology training at these levels. The minimum duration of field work at M.Phil. level could be of between 3-4 months and for doctoral work for about one year duration. Evidently financial support to universities and to scholars doing research at M.Phil./Ph.D. level would have to be ensured and strengthened.

8. Recommendation regarding field training work in Law.

The University Grants Commission has not been giving assistance for field work in the discipline of Law. The courses at the graduate and the postgraduate levels in Law are so organised that their content is largely the oritical. In spite of the efforts of some law teachers to include in the syllabi of the law degrees topics of research which require the study of law in action, not much has been done in this regard. The Sub-Committee of the Law Panel to make law teaching socially relevant has made certain suggestions which if implemented will require some field work at the postgraduate level. Another Committee of the Law Panel set up to suggest schemes for integrating the U.S.S. scheme in legal education has also made some suggestions to bring law in relation to specific communities through students teacher participation. These schemes also would necessitate field study. Moreover the law panel

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through its members expects to encourage Ph.D. level research in law on subjects which study law in action. Some of these subjects too will require field study by the researcher. The duration of field work will depend upon the nature of the subject chosen and the type of data required to be collected from the field study.

A substantial sum should be allocated for providing assistance to the universities for field work in Law. The requests for grants should be screened by a Three men Committee of the Law Panel. It is only on the recommendation of this Committee that specific grants should generally be made.

The matter is placed before the Commission for its consideration.

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University Grants Commission

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Meeting :

Dated : April 14, 1975

Summary

Item No. 8 : To consider the question of assistance to universities for field work in different disciplines.

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The Commission's scheme of assistance to universities for field work was confined to Geology only in the fourth plan. This scheme has been continued in 1974-75 only in the Fifth Plan and the assistance is given to universities/colleges providing M.Sc. in Geology for field work in Geology, Applied Geology and Geo-Physics. The Commission's share for this purpose is limited to Rs. 3,000/- per annum per university and the expenditure is met on field training work on a 50 : 50 sharing basis. The admissible items of expenditure covered for field training include railway fare, transport charges of tents, camp furniture, rock specimen and wages of staff engaged during the camp.

At its meeting held on 12th August, 1974 (item No. 14), the Commission desired that the question of assistance to universities for field work in different disciplines be referred to the Committees of Convenors of various subject panels.

Recommendations by Panels

The summary of the recommendations made by various subject panels on this subject is as below :-

Science Panel

The Convenors of Science Panel have suggested that field work is important for postgraduate students in earth sciences as also in subjects like Botany, Zoology, Biological Sciences or life Sciences and Anthropology and Geography. The assistance for field work on the basis of approved programmes may be upto a maximum of Rs. 200/- per student per year as UGC share but the pattern may be 50 : 50 of the actual travel expenditure. No assistance may be given for living expenditure during the days of field work.

Recommendations of Convenors of Humanities & Social science Panels

The convenors have given recommendations subject-wise :

- (i) History : Grant for field training work at the rate of Rs. 2,500/- per History, Ancient Indian History and Archaeology Department has been suggested and this may be given to students of B.A. (Hons) and M.A. stages

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- (ii) Economics : To begin with, assistance may be given for field training work in subjects like agricultural economics for group field work at M.A. level and it can also be considered for introduction at B.A. level to selected institutions like autonomous colleges and departments where group of students work on common problems involving field work. Main assistance would be for travel and in some cases stay also. Rs. 10/- per student at the B.A. level and Rs. 50/- per student at the M.A. level has been suggested. Rs. 100/- per student at M.A. level in cases where a dissertation is necessary instead of a paper.
- (iii) Political Science : Field training has been suggested at the M.A. and Post-M.A./M.Phil/M.Eitt. levels for 15 days to 3 months. A sum of Rs. 5,000/- as subsidy per department has been suggested.
- (iv) Philosophy : Field training work at M.A. level for students undertaking projects needing field work has been considered necessary and a sum of Rs. 5,000/- per annum per university has been suggested. The duration may not exceed a month. The assistance may be sanctioned on the basis of recommendation of the Panel.
- (v) Psychology : Field work is essential in certain areas both at the B.A. and M.A. level for a duration of 2 to 4 weeks. A sum of Rs. 2,000/- per annum as Commission's share on a 50 : 50 sharing basis has been recommended.
- (vi) Linguistics : Field work at M.A. level in Linguistics has been suggested for certain papers. No amount has been indicated.
- (vii) Sociology : Field work is indispensable for Sociology and Anthropology at the M.Phil and Doctoral level. Fieldwork at the M.A. and undergraduate level, however, is still a matter of controversy among Sociologists. Financial support for field work at this level may not be necessary unless the M.A. degree itself is a research degree as was the case in Bombay university years ago. No amount has, therefore, been indicated.
- (viii) Law : If teaching of Law is to be made socially relevant some field work at the postgraduate level would be found necessary. A substantial sum has been suggested for providing assistance to universities for field work in Law and the request for field work for grants may be screened by a three Men Committee of the Law Panel.

UNIVERSITY GRANTS COMMISSION

Confidential

Meeting :

(26)

Dated : 14.4.1975.

Item No. 9: To consider the question of laying down certain norms in respect of bifurcated colleges for bringing them within the purview of Section 2(f) of the UGC Act.

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According to the regulation(revised) framed under Section 2(f) and Section 26(1)(d) of the UGC Act, colleges affiliated to universities and providing instruction upto a Bachelor's degree or upto Post-graduate degree or for a Post-graduate degree only or for a diploma course of a duration not less than one academic year for which the minimum admission qualification is a Bachelor degree will be eligible to be brought within the purview of the UGC Act so that such colleges will be eligible for receiving assistance from the UGC. The modified regulations and the procedure to be followed by the colleges to be brought within the UGC Act is indicated in the UGC's circular of 12th July, 1974 (copy enclosed). The Commission also has decided that colleges established after 17th June, 1972 will be eligible to receive assistance from the Commission only in accordance with the rules framed under Section 12(A) of the UGC Act in so far as they are made applicable to affiliated colleges. Under these rules which are yet to be formally approved by the Government of India the colleges would be eligible for assistance if included in the list prepared under Section 2(f) of the UGC Act and if permanently affiliated to the universities concerned.

The Commission has upto the end of December, 1974 brought 2977 of the 4400 colleges already functioning in the country within the UGC Act and they are all eligible for assistance. Of these 2977 colleges, 683 colleges are Government colleges and the rest managed by non-Government Institutions. Since the Commission gives grants to colleges individually under its various schemes, for e.g. like the Rs.5 lakhs scheme for improvement of undergraduate education facilities, Rs.10,000/- to Rs.30,000/- per college for establishing a Book Bank depending upon enrolment and Rs.750/- to Rs. 5,000/- per college under Students-Aid-Fund Scheme etc. The managements are in many cases dividing their colleges into two or three separate units, each Arts, science and Commerce each are such unit becoming separately an independent Arts College, Science College and Commerce College and so on. In some cases such bifurcations have been justified on academic grounds. But in many cases colleges are split into more units to become eligible for more grant from the UGC. It is, therefore, necessary to suggest certain guidelines to universities and colleges within the regulations already prescribed so that managements would resort to identifying such colleges as independent entities only when justified on academic grounds.

contd...

(27)

The following conditions may be considered in this connection:

1. When an erstwhile college is bifurcated, each new unit should have a minimum enrolment of 400 students excluding PUC, Pre-degree, Intermediate classes as has been prescribed for eligibility under the Rs. 5 lakhs scheme.
2. Such new units should also have a minimum of 20 suitably qualified permanent teachers. (In the case of colleges providing two-year degree classes, the minimum required enrolment will be 270 and the minimum number of teachers would be 15).
3. On bifurcation, the new units should have separate premises and buildings for all their requirements.
4. Such new units should have separate library, laboratory and other academic buildings and facilities.
5. The University before agreeing to bifurcation may inform the UGC about the justified academic need for such bifurcation and also intimate how the assets created with UGC assistance is proposed to be distributed between the bifurcated colleges.
6. The formalities prescribed by the Commission for bringing the colleges within the purview of UGC Act may all be complied with well in advance so that the development programmes accepted by the Commission and already under implementation do not suffer consequent upon deletion of colleges from the list prepared under Section 2(f) of UGC Act.
7. Prior concurrence of the UGC may necessarily be taken for bifurcation if the college so bifurcated is one which is already within the purview of 2(f) of the UGC Act.

It may also be necessary to consult the Ministry of Law whether in case such bifurcation takes place, the new unit will, for all intents and purposes be considered a new college which has come into being after 7th June, 1972 and in which case for such colleges to become eligible for assistance, the rules prescribed under Section-12(A) of the UGC Act be applicable or not.

The matter is placed before the Commission for its consideration.

E.O. (C)

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No.F.33-34/65(CD/CP)Pt.IV.

12th July, 1974

The Registrar,  
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Subject:- Recognition of colleges in terms of regulations framed under section 2(f) of the UGC Act read with section 26(i)(d) of the UGC Act 1956 as modified upto 17th June, 1972.

Sir,

I am directed to say that in exercise of the power conferred by clause (d) of sub-section (1) of Section 26 of the UGC Act 1956 (3 of 1956 as modified upto 17th June 1972) and in supersession of the regulations in force at present for according recognition to institutions under clause (f) of Section 2 of this Act, the University Grants Commission with the approval of the Central Government has made the following regulations:-

Recognition of Institutions

1. The Commission may, in consultation with the university concerned, recognise an institution under Clause (f) of Section 2 of the UGC Act 1956 if:-

(i) It is affiliated to, or forms a constituent member of, or is run directly as a university college by or is an institution recognised by a university established or incorporated by or under a Central Act, a Provincial Act or a State Act and the Statutes and Regulations made thereunder:-

(ii) It provides instructions upto a Bachelor's degree or upto a Postgraduate Degree or for a postgraduate degree only or provides instructions for a Diploma Course of a duration of not less than one academic year and for which the minimum qualification for admission is a Bachelor's degree: and

(iii) It is registered as a Society under the Societies Registration Act, 1860 (21 of 1860) or is a body corporate established or incorporated under a Central or State Act for the time being in force or is a Trust with trustees being appointed and vested with legal powers and duties.

(iv) In relation to such institution, where it does not fall within clause (iii), a bond is executed by the registered society or trust by which it is managed or run guaranteeing the proper utilisation of the grants that might

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be paid by the Commission to the institution and agreeing to refund such part of the grant as may not have been properly utilised for the purposes of the institution and also agreeing to furnish to the Commission the balance sheet of the registered society or trust, as the case may be, alongwith the annual accounts of each of the institutions managed or run by the registered society or trust.

The above regulation would come into force with effect from 1.7.1974. It is requested that the university while sending proposals for inclusion of affiliated colleges in the list of colleges prepared under section 2(f) of the UGC Act may also send documentary evidence to the effect that the college/institution is registered as a society under the Societies Registration Act 1860 (21 of 1860) or is a body corporate or incorporated under Central or State Act for the time being enforced or is a trust, the trustees being appointed and vested with legal powers and duties.

The proforma in which the particulars of the colleges are to be sent, has been suitably amended to incorporate the above and a copy thereof is enclosed (appendix) for reference.

With regard to colleges already on the list prepared under section 2(f) of the UGC Act and which fall under clause (i) (iv) of the regulations indicated above it is suggested that such colleges/institutions may be advised that a bond is executed by the Registered Society or Trust by which it is managed or run on the lines indicated under the above clause. The University may arrange such bonds duly signed by the principal concerned and the Secretary or President/Chairman of the concerned Governing body of the Society or Trust alongwith a certified copy of the resolution of the Governing Body in support of the bond executed to be forward to the Commission within six months i.e. by 31.12.1974 from the date on which the new regulations came into force. In the case of new institutions falling under clause 1(iv) above and awaiting recognition under section 2(f), it is requested that the university may ensure that the above mentioned documents are invariably forwarded alongwith the proforma seeking recognition of such colleges under section 2(f). The details of colleges already recognised and falling under clause (i) (iv) may be communicated to the Commission at your earliest.

The receipt of this letter may be acknowledged.

Yours faithfully,

Sd/-  
(R.K.Chhabra)  
Secretary

APPENDIX. (30)

(Before filling in the form, please read carefully the note on back of the form)

STATEMENT SHOWING THE NAMES OF COLLEGES TO BE BROUGHT UNDER SECTION 2(F) OF THE UGC ACT 1956.

Name of the University \_\_\_\_\_

Previous reference (if any)

No. of \_\_\_\_\_

No. \_\_\_\_\_

Dated \_\_\_\_\_

Dated \_\_\_\_\_

Sl No.	Full name of the College as affiliated to the University.	Degree for which college prepares students.	Subject taught	No. of students on roll.	No. of teachers employed.	Has the College been granted permanent or temporary affiliation if latter for what period.	Does the College fulfil all the conditions laid down by the UGC for being brought on the approved list of affiliated colleges under Sec. 2(f).	Is the College being run by private management or by Central/ State Govt. or is it University College?	Is the College registered under the Societies Registration Act 1960(21 of 1860) or is a body corporate under a Central or State Act or is a trust with trustees being appointed & vested with legal powers and duties. If so, a copy of the Memorandum of Association or the University Trust deed may be attached.
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

In the case of colleges falling under Clause (1) (iv) of regulations prescribed for recognition of colleges with effect from 1st July, 1974, please indicate whether a surety Bond and other documents prescribed have been attached or not.

Name of the Principal \_\_\_\_\_ Any other remarks \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_ 13. \_\_\_\_\_

The Secretary  
University Grants Commission, New Delhi.

Registrar  
Name of the University \_\_\_\_\_

Note:

1. Information in respect of only those colleges is to be reported which have actually started ~~functioning~~ and which are ~~teaching for the~~ first Degree.
2. Colleges against which complete information ~~is not given~~, will not be included in the list till such time, information is made available.
3. This proforma should be signed by the Registrar.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(32)

Meeting:

Dated: 14th April, 1975

Item No. 10: To consider the question of the fixation of rates of non-practicing allowance to be paid to the teaching staff of the Medical Colleges of the Central Universities in the revised scales of pay.

.....

Prior to the present revision of the pay scales of the teaching staff in the Medical Colleges of the Central Universities, the scales of pay of such staff were as under:-

1.	Lecturers	...	Rs.400-950
2.	Readers	...	Rs.700-1250
3.	Professors	...	Rs.1100-1600
4.	Prof.(Sr.Grade)	...	Rs.1600-1800

In addition, they were entitled to the following fixed non-practicing allowance per month.

1.	Lecturer	...	Rs.300/-
2.	Reader	...	Rs.400/-
4.	Professor	...	Rs.500/-

The pay scales of the above category of teachers have now been revised w.e.f. 1.1.1973 as under:

1.	Lecturer	...	Rs.700-40-1100-50-1600.
2.	Reader	...	Rs.1200-50-1300-60-1900
3.	Professor and Prof. (Sr.Grade).	...	Rs.1500-60-1800-100- 2000-125/2-2500.

In view of the above revision, it has now become necessary to determine the rates of non-practicing allowance that may be paid to the teachers of the Medical Colleges of the Central Universities in the revised grades.

The Government of India in the Ministry of Health and Family Planning (Department of Health) has prescribed the rates of non-practicing allowance to the Central Health Service officers on the basis of the recommendations of the IIIrd Pay Commission. A copy of the letter issued by the Ministry of Health and Family Planning in this regard is enclosed (Annexure-I).

P.T.O.



(33)

/the Govt.  
of India  
for

Since the pay scales of the teachers in the Medical Colleges of the Central Universities are not identical to the various scales of pay of the Central Health Service Officers, it is for consideration if the following rates of non-practicing allowance which are comparable to the rates approved by the Central Health Service Officers may be prescribed for the various categories of teachers in the Medical Colleges of the Central Universities as indicated below: -

<u>Lecturer</u>	...	<u>Scale Rs.700-1600</u>	
1st to 5th stages	Rs.700-860	...	Rs.150/- p.m.
6th to 10th "	Rs.900-1060	...	Rs.200/-p.m.
11th to 13th "	Rs.1100-1200	...	Rs.250/-p.m.
14th to 15th "	Rs.1250-1300	...	Rs.300/-p.m.
16th to 17th "	Rs.1350-1400	...	Rs.350/-p.m.
18th to 19th "	Rs.1450-1500	...	Rs.400/-p.m.
20th to 21st "	Rs.1550-1600	...	Rs.450/-p.m.
<u>Readers</u>	...	<u>Scale Rs.1200-1900</u>	
1st stage	Rs.1200	...	Rs.300/-p.m.
2nd to 4th "	Rs.1250-1360	...	Rs.350/-p.m.
5th to 6th "	Rs.1420-1480	...	Rs.400/-p.m.
7th to 9th "	Rs.1540-1660	...	Rs.450/-p.m.
10th to 12th "	Rs.1720-1840	...	Rs.500/-p.m.
13th stage	Rs.1900	...	Rs.600/-p.m.
<u>Professors</u>	...	<u>Scale Rs.1500-2500</u>	N.P.A. Rs.600/-p.m.

The non-practicing allowance in respect of teachers at Maulana Azad Medical College consequent to the revision of pay scales is given in the Annexure-II.

The matter is placed before the Commission for consideration.

A. S./D. S. (D. 5)

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2-11

Annexure-I to Item No.10:

Copy of Government of India, Ministry of Health and Family Planning (Department of Health) letter No.A.45011/3/74-CHS.III, dated the 21st December, 1974, addressed to the Director General of Health Services, New Delhi/A.G.C.R./All Accountants General etc.

Re: Recommendations of the Third Pay Commission - rates of N.P.A. for C.H.S. Officers.

I am directed to say that the rates of N.P.A. (Non-Practising Allowance) recommended by the Third Pay Commission for various grades of the Central Health Service Officers have been under consideration of the Government of India for some time. The President has now been pleased to decide that the rates of N.P.A. in respect of the Central Health Service Officers should be as follows:-

Junior Class I scale

(Revised Scale: Rs.700-40-900-EB-40-1100-50-1300)

1 to 5 stages in the revised scale	Rs.150 per month
6 to 10 stages in the revised scale	Rs.200 per month
11 stage onwards	Rs.250 per month

Senior Scale Class I

(Revised Scale: Rs.1100-50-1600)

1 to 3 stages	Rs.250 per month
4 to 5 stages	Rs.300 per month
6 to 7 stages	Rs.350 per month
8 to 9 stages	Rs.400 per month
10 to 11 stages	Rs.450 per month

Specialists Grade II

(Revised Scale: Rs.1100-50-1500-EB-60-1800)

1 to 3 stages	Rs.300 per month
4 to 6 stages	Rs.350 per month
7 to 9 stages	Rs.400 per month
10 to 12 stages	Rs.450 per month
13 to 14 stages	Rs.500 per month

Supertime Grade II

(Revised Scale: Rs.1500-60-1800-1000-2000) Rs.600 per month

P.T.O.

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Specialist Grade I

(Revised Scale: Rs.1800-100-2000-125/2-2250) Rs.600 per month

Supertime Grade I

(Revised Scales: Rs.2250-125/2-2500 . Rs.600 per month  
Rs.2500-125/2-2750.

2. These orders are issued with the concurrence of the Ministry of Finance vide their U.O. No.5492-H/74 dated 30.11.1974.

Sd/- K. SATYANARAYANA  
DEPUTY SECRETARY TO THE GOVT. OF INDI

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Name of the post	Pre-revised pay scales	Non-practising allowance	Revised pay scales	Revised non-practising allowance
Professors	Rs. 1300-60-1600-100-1800.	50% of pay subject to maximum of Rs. 600/-p.m.	Rs. 1800-100-200-125/2-2250.	Rs. 600/-p.m.
Readers/Assistant Professors.	Rs. 600-40-1000-EB-50-1300+Rs. 100/-p.m. special pay.	-do-	Rs. 1100-50-1500-EB-60-1800+Rs. 100/-p.m. special pay	1 to 3 stages (Rs. 300/-) 4 to 6 stages (Rs. 350/-) 7 to 9 stages (Rs. 400/-) 10 to 12 stages (Rs. 450/-) 13 to 16 stages (Rs. 500/-)
Demonstrators	Rs. 325-15-425.	Rs. 150/-p.m. i)	Rs. 650-30-740-35-880-EB-40-960 (For Medical) ii) Rs. 550-20-750-EB-30-900 (For Medical)	Rs. 150/-p.m.
Registrar Clinical	Rs. 375-25-425.	-	Rs. 650-30-710.	Rs. 150/-p.m.

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 14th April 1975

(37)

Item No. 11: To consider the views of the Calcutta and Jadavpur Universities regarding the memorandum of Association prepared by the Department of Electronics for the Regional Computer Centre at Jadavpur University.

.....

The Commission at its meeting held on 16th January, 1974 considered the recommendation of the Department of Electronics, Government of India, regarding the proposal of establishment of a regional computer centre at Jadavpur University and accepted recommendations of the Department of Electronics regarding the financial arrangements proposed for this purpose which involve grant of Rs.17 lakhs from the Commission for the Computer system, and Rs.10 lakhs for installation etc. It was also agreed that the running expenses would be shared equally by the University Grants Commission and State Government for five years. The Commission further desired that Jadavpur University may be requested to work out the details of the framework for the proposed Board of Management for the Computer Centre in consultation with the Electronics Commission and the University Grants Commission.

The Electronics Commission, subsequently in September, 1974 prepared a draft memorandum of Association for the Computer Centre and requested for the comments of the Commission. This memorandum was in turn sent to Jadavpur University and Calcutta Universities for obtaining their comments. The comments received from Jadavpur and Calcutta Universities are tabulated as follows:-

Clause No. II	Comments of Calcutta University	Comments of Jadavpur University
Registered Office	Does not want address of Jadavpur University mentioned.	Proposal for having a Scientific Society to manage Computer Centre is not acceptable. The centre should be integrated with the Computer Centre of the university and the day to day function should be the responsibility of the university. University should have assured access to meet its Computer needs. It can not be treated as any other user.

✓ A copy of the draft memorandum is attached (Enclosure).

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- 2-1 Trustees Calcutta university and Jadavpur University to be included
- 3-2 Executive Council Suggested reduction in number of representatives of Government of West Bengal from 2 to 1 and of the Department of Electronics from 3 to 2. It should be a Board of Management with Vice-Chancellor, Jadavpur University as a Chairman and head of the Computer Centre of the university as Member Secretary or Convener. Calcutta University will be permanently represented on this Board. The representatives of at least two other universities in the region may be added by rotation.
- 3-9 Decision of the Executive Council to be ratified by the Department of Electronics. Only decisions involving financial commitments needs to be ratified by the Department of Electronics and not all the decisions mentioned in the department memorandum. of Electronics.

The matter is placed before the Commission for consideration.

E.O. (SR)

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39

ITEM NO: 6 20TH MEETING OF ELECTRONICS COMMISSION

REGIONAL COMPUTER CENTRE, CALCUTTA

MEMORANDUM OF ASSOCIATION

- I. Name: The society shall be called the "REGIONAL COMPUTER CENTRE, CALCUTTA" (hereinafter called the "Centre").
- II. Registered Office: The registered office of the Centre shall be located in the State of West Bengal. The registered address will be at the Jadavpur University, Calcutta-32.
- III. Nature: The Centre shall be an all-India, professional learned body in the field of Computer Science and Technology.
- IV. Objects: The objectives of the Centre shall be to:-
  - (a) encourage and promote the development and progress of the Electronic Data Processing towards achieving self-reliance in the field of computer science and technology for scientific, research and development, educational, governmental, commercial and industrial applications both for indigenous utilisation as well as for export;
  - (b) advance interdisciplinary cooperation amongst scientists, technologists, engineers, administrators and commercial entrepreneurs for the growth of teaching research and practice of Electronic Data Processing Systems and allied subjects in Academic Institutions, Central and State Governments, Industrial, Commercial and Research and Development Organisations;
  - (c) disseminate knowledge on all aspects of Electronic Data Processing Systems and allied subjects, and to foster the development of this specialised branch of technology;

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- (d) stimulate and offer aid for research and development, for the benefit of manufacturers and users of Electronics Data Processing Systems;
- (e) help in the improvement of standards, terminology, equipment, methods and implementation practices in the field of Electronic Data Processing Systems; and
- (f) provide support for software development on consultancy basis.

In pursuit of these objectives, the Centre may engage in the following activities:-

- (i) Set up advisory and consultancy services.
- (ii) Organise study programmes, symposia, conference, lectures, promotional activities etc.
- (iii) Maintain contacts with other learned and professional organisations.
- (iv) Support publication activities.
- (g) The Centre shall have the powers to :-
  - (i) purchase, take lease of or otherwise acquire, hold, manage, let out computer time and equipment, sell, exchange, mortgagage properties of the Centre;
  - (ii) borrow or raise money in such a manner as the Centre may think fit and collect hire and consultancy charges, subscriptions and donations for the purpose of the Centre so as to make it self sustaining;
  - (iii) invest money of the Centre in such manner as may, from time to time, be determined by the Centre and reinvest the returns in furthering the objectives of the Centre;
  - (iv) undertake such other activities which are cognate to the objects of the Centre or conducive to the attainments of the above objects;



(v) pay out of the assets of the Centre all costs, charges and expenses incidental to the formation and incorporation of the Centre and to the promotion, management and conduct of the Centre's business and its objects;

(v) The income and property of the Centre from whatever sources derived shall be applied solely for the attainment of or towards the promotion of the objects of the Centre as herein contained and for payment of remuneration and allowances etc., to the employees of the Centre or to any member thereof or other persons in return for any service actually rendered to the Centre or payment of interest on money borrowed from any source or the payment of reasonable and proper rent for premises rented by the Centre.

(vi) The names and address and descriptions of members of the First Executive Council are:-

<u>Names</u>	<u>Address</u>	<u>Description</u>
<u>Department of Electronics</u>		
1-3	OSD, Director IPAG, Director NCSDCT	
<u>Ministry of Finance</u>		
4.	Shri Hirmath,	Joint Secretary
<u>University Grants Commission</u>		
5.	Additional Secretary	
<u>Others</u>		
6.	Vice-Chancellor, Jadavpur University	
7.	Vice-Chancellor/Pro-Vice-Chancellor, Calcutta University.	
8-9	Government of West Bengal, Secretary Finance/Education/Industries.	
10.	Director Computer Centre.	
11.	To be completed.	
12.	To be completed.	

(42)

We the undersigned are desirous of forming into an Association in pursuance of this memorandum:

	<u>Signatures</u>	<u>Addresses</u>	<u>Occupations</u>
1.		Department of Electronics	
2.		Ministry of Finance	
3.		University Grants Commission	
4.		Government of West Bengal	
5.		Jadavpur University	
6.		Calcutta University	

Witness to the above signatures:

	<u>Signatures</u>	<u>Addresses</u>	<u>Occupations</u>
1.			
2.			

Dated, Calcutta the                      day of

REGULATIONS & BYE-LAWS

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OF

REGIONAL COMPUTER CENTRE,  
CALCUTTA

1. GUIDING PRINCIPLE:

The Centre shall be governed by the provisions laid down in the West Bengal Societies Registration Act, 1961 and by the West Bengal Society Registration Rules, 1963.

2. GENERAL CONTROL:

2.1 The control and direction to carry out the objects of the Centre, including the control of property, shall be vested in the Holding Trustees (hereinafter called the Trustees) who shall be as follows:-

- (a) Government of West Bengal.
- (b) Government of India (Department of Electronics).
- (c) The University Grants Commission.

2.2 The affairs of the Centre shall be administered through an Executive Council. The Trustees shall have the power to decide all questions on which these regulations and bye-laws are silent, and its decision shall be final.

3. EXECUTIVE COUNCIL

3.1 The Executive Council (hereinafter called the Council) shall be directly responsible to the Trustees for conducting the affairs of the Centre as laid down in this document or directed from time to time. The tenure of the Council would be for a period of two years at a time.

3.2 The Council shall consist of the following Members:-

- (a) Two representatives of the Government of West Bengal (Secretary, Ministry of Finance/Ministry of Education/Ministry of Industries).
- (b) Representative of the University Grants Commission (Additional Secretary, University Grants Commission).

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- (c) Representative of the Ministry of Finance, Government of India.
- (d) Three representatives of the Department of Electronics, Government of India.
- (e) Representative of the University of Jadavpur, (Vice-Chancellor).
- (f) Representative of the University of Calcutta, (Vice-Chancellor).
- (g) Director of Regional Computer Centre, Calcutta - he will also be the ex-officio member secretary.

The Council shall have the power to co-opt two more members who are the major users of the Centre and have no representation in sub-para 3.2 (a) to (g) above.

3.3 Director of the Centre shall be contractually appointed by the Council, for a period of five years.

3.4 In the event of any vacancy occurring in the Council, due to resignation, death or otherwise, it shall be filled up by nomination by the concerned organisation. However, in the event of any such vacancy the Council shall be competent to function provided that the number of members of the Council does not, at any time, fall below seven.

3.5 The Council shall nominate an Advisory Committee to give necessary technical guidance in the systems developmental work of the Centre and to progressively review the progress made. The Advisory Committee shall comprise of one representative from each of the following institutions/establishments/organisations etc:-

- (a) The Government of West Bengal.
- (b) The Jadavpur University
- (c) The Calcutta University
- (d) The Indian Statistical Institute, Calcutta.
- (e) The Indian Institute of Management, Calcutta.
- (f) The Association for Cultivation of Science, Calcutta.

P.T.O.

- (g) Central Glass and Ceramic Research Institute, Calcutta.
- (h) VEC Project, Department of Atomic Energy.
- (j) Directors of other Regional Computer Centres, as and when they are set up.
- (k) Two organisations who are the major users of the Centre and are not represented above (atleast one of them would be from the Industrial Sector).
- (l) Director of the Centre - Ex-officio member Secretary.

3.6 The Council shall ensure that persons nominated on the Advisory Committee are of recognised national eminence in the field of Electronic Data Processing Systems. If, for any reason a suitable person is not available from a particular organisation the vacancy will be kept vacant till a person of requisite calibre is available.

3.7 The Council shall have the following powers:-

- (a) It shall have full power to make, from time to time, necessary bye-laws subject to these Regulations and subject to the approval of the Trustees, for the proper conduct of the Centre.
- (b) It shall have power to appoint through the Director of the Centre, either at a fixed salary or on remuneration such person or persons as may be necessary for the efficient functioning of the Centre and to suspend or dismiss such person or persons as it thinks fit.
- (c) It shall determine charges for extending all aspects of Electronic Data Processing support to various organisations.
- (d) It shall have power to appoint pleader or pleaders, Attorney or Attorneys or other Lawyers as the case may be, and to sign any proceedings, pleadings, retainers, authorities and to take all such legal steps or otherwise as it thinks fit for the interest of the Centre. This power will be delegated to the Director of Centre.

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- (e) It shall have power to purchase, take on lease or exchange or otherwise acquire for the Centre any property rights or privileges which the Centre is authorised to acquire at such prices and generally on terms and conditions as it thinks fit and in particular to purchase or take on lease office room or room for carrying on the works of the Centre at such place or places as it thinks fit and to lease, sub-lease, surrender, exchange or otherwise dispose of any such properties, rights or privileges upon such terms and conditions and for such considerations as it may think fit. This power upto a ceiling of Rs. two lakhs, will be delegated to the Director of the Centre.
- (f) It shall have power to institute, prosecute, conduct, defend, withdraw or abandon any legal proceedings by or against the Centre and also to compound, allow time for payment or satisfaction of any debts, dues and any claims or demands by or against the Centre.
- (g) It shall have power to make and give receipts, release and other discharges for money payable to the Centre and for the claims and demands of the Centre. This power will be delegated to the Director of the Centre.
- (h) It shall have power to invest and deal with any of the funds and finances of the Centre not immediately required for the purpose thereof upon such securities or investments and in such manner as it thinks fit and from time to time vary or realise such securities and investments.
- (j) It shall have power to make, vary or repeal from time to time regulations and bye-laws made by it before for the administration of the affairs of the Centre and its employees subject to the approval of the Trustees.
- (k) It shall have power to enter into all such negotiations and contracts, and to rescind and vary all such contracts, and to execute all such acts, deeds and things in the name of and on behalf of the Centre as it may consider expedient for or in relation to any

of the matters aforesaid or otherwise for the purpose of the Centre. This power will be delegated to the Director of the Centre.

- (l) It shall have power subject to the provisions of any law for the time being in force to sanction any arrangement for the amalgamation of any kindred Centre with this Centre and to regulate and terms of such arrangement and to adopt the necessary measures for affecting such amalgamation subject to the approval of the Trustees.
- (m) It shall have power generally to adopt such other means as it thinks advisable for carrying out the objects of the Centre. This power will be delegated to the Director of the Centre.
- (o) It shall have power to buy or procure the supply of all articles and effects and other movable property required for the purpose of the Centre. This power, upto a ceiling of Rupees two lakhs, will be delegated to the Director of the Centre.
- (p) It shall have power, always subject to the provisions and restrictions of the Memorandum of the Centre, to enter into, carry out, rescind or vary all financial arrangements, with any Banks, persons or Corporation for or in connection with the Centre's affairs and pursuant to or in connection with such arrangement to deposit, pledge or hypothecate any property of the Centre or the documents representing or relating to the same. This power, upto a ceiling of Rupees two lakhs, will be delegated to the Director of the Centre.
- (q) It shall have power to pay for any property or rights acquired by or service rendered to the Centre including premium payable in respect of any leases taken by the Centre. This power, upto a ceiling of Rupees two lakhs, will be delegated to the Director of the Centre.

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It shall have power, notwithstanding above, to delegate or withdraw any power(s), from amongst those vested in the Council, it deems fit, to the Director of the Centre for the smooth day to day functioning of the Centre. The Director shall be directly responsible to the Council for the efficient functioning of the Centre and shall report the progress made by the Centre periodically at the meetings of the Council.

3.8 The Chairman of the Council will be elected from amongst the Members. Meetings of the Council shall be held as often as needed, but at least annually, after giving at least 15 days clear notice of time, place and agenda. This would be fixed by the Director in consultation with the Chairman of the Council. At the meeting of the Council, each member shall have his voting right and the Chairman of the Council shall have the privilege of a casting vote in addition to his/her personal vote.

3.9 Chairman of the Advisory Committee shall be elected by the Advisory Committee. Seven members shall form a quorum of the Committee. The meetings of the Advisory Committee shall be held as often as needed, but atleast twice a year after giving atleast 15 days clear notice of time, place and agenda. This would be fixed by the Director in consultation with the Chairman of the Advisory Committee at the meeting of the Advisory Committee, each member shall have his voting right and the Chairman of the Advisory Committee shall have the privilege of a casting vote in addition to his/her personal vote. The decisions taken at the meeting would be ratified by the Department of Electronics, Government of India.

#### 4. SAFE CUSTODY OF PROPERTIES AND FUNDS:

- 4.1 The Director of the Centre, shall be responsible for the safe custody of the properties, funds and the assets of the Centre to the Trustees.
- 4.2 The funds of the Centre shall be kept in some Nationalised Bank and shall be invested in a manner in accordance with clause 3.7 of this document.
- 4.3 The funds of the Centre shall be kept in bank account in the name of the Centre and shall be operated jointly by the Director and the Accounts Officer of the Centre.



5. ACCOUNTING YEAR AND AUDIT OF ACCOUNTS:

5.1 The accounting year of the Centre shall be reckoned from 1st of April to 31st of March of the following year according to Gregorian Calendar.

5.2 Proper accounts of income and expenditure shall be maintained at the Registered Office of the Centre with the facility of inspection by the Council on a written request to the Director giving at least 15 days' notice in writing.

5.3 The Centre shall, in its Annual Meeting of the Council, appoint a qualified Auditor, who shall not be a member of the Council, to audit the year's accounts and submit a report which shall be incorporated in the Director's Annual Report as a statement of accounts. All necessary financial documents, as and when required by the Comptroller and Accountant General, Government of India, shall be provided by the Director.

6. MEETINGS:

6.1 An Annual General Meeting of the Council shall be held where an audited statement of accounts and the Annual Report by the Director shall be submitted. The meeting will be held between December in a Calendar year and February of the following year. At least 15 days clear notice of the date, time and place with agenda of the meeting, shall be given to all Members.

6.2 In addition to the Annual Meeting of the Council further Meetings may be convened, if deemed necessary by the Council.

6.3 (a) Extra-ordinary General Meetings of the Council may be called by the Director on receipt of instruction from the Council or a written request by at least 25% of the total Council Members. The object of such meetings shall be clearly stated. If the Director does not proceed to call a meeting within 30 days from the date of such requests, they may convene the meeting themselves, but such meetings shall be held within 3 months from the date of written request to the Director.

(b) The quorum for all types of General Meetings will require the presence of at least 5 of the Council Members. If a General Meeting could not be held for want of quorum, a special General Meeting may be called with due 15 days notice. No quorum will be necessary for such a special meeting.

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- 6.4 (a) If within three quarters of an hour from the time appointed for the meeting a quorum is not formed, the meeting, if convened upon a requisition, shall be dissolved. But in other cases it shall stand adjourned to any other date and time to be determined by majority of the Council Members.
- (b) If at an adjourned meeting quorum is not formed, those Council Members who are present shall form the quorum and may transact the business for which the meeting was called.
- (c) All resolutions and amendments shall be proposed by one member entitled to vote at such meetings and seconded by another member, so entitled, before being put to the meeting.
- (d) All resolutions proposed by any member of the Council shall be lodged with the Chairman or the Secretary at least seven days before the date of the General Meeting.
- (e) Save that the mover of a resolution shall be entitled to address the meeting in reply no member shall be entitled except with the expressed permission of the Chairman to speak more than once on any resolution.
- (f) At any General Meeting a declaration by the Chairman that a resolution has been carried, or carried by a particular majority, or lost, and an entry to that effect in the minutes of the proceedings of the meeting shall be conclusive evidence of the fact without any further proof of the number or proportion of the votes given for or against such resolution.
- (g) Vote in General Meetings shall be by show of hand or otherwise decided in the meeting, each member being entitled to one vote at a time. The Chairman shall have his own vote as a Member of the Institution and shall have a casting vote in case of a tie.
- (h) A qualified Auditor shall be appointed at the Annual General Meeting or at any special General Meeting duly proposed and accepted by Corporate Members present in the Meeting, and the remuneration shall be fixed at the time of appointment.

(j) The Chairman may if he deem fit or with the consent of the majority of members personally present at the meeting, adjourn the meeting from time to time and from place to place, but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment shall have taken place and which might have been transacted at the meeting.

(k) All matters shall be decided by 75% majority of members present at meeting. Matters arising at the meeting for which there are no specific rules shall be decided by the Members of the Council.

- 7. ....
- 7.1 .....

posting at his registered address or to the address within India supplied by him to the Centre for giving of notice to him.

7.2 Any notice sent by post shall be deemed to have been served on the day on which it would be posted. Any notice given by Advertisement shall be deemed to have been served on the date on which the advertisement shall appear. Accidental omission to give notice for meetings to any member or non-receipt of such notice by any member shall not invalidate the proceedings of such meetings.

8. DISSOLUTION:

The Executive Council may recommend dissolution of the Centre to the Trustees. The Trustees may decide to dissolve or reorganise/restructure the Centre. If upon the dissolution of the Centre there shall remain, after satisfaction of all its debts and liabilities, any surplus money or property whatsoever, the same shall not be paid or distributed among the members of the Centre but shall be given or transferred to the Department of Electronics, Government of India, and in any default thereof recourse be taken by such authority or court which may have jurisdiction in the matter.

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9. In the event of any anomaly or accident - omission of any regulation/bye-laws, West Bengal Societies Act, 1961 will apply..

We the undersigned Members of the Executive Council of the Regional Computer Centre, CALCUTTA, do hereby certify that the above is a correct copy of the Regulations & Bye-Laws of the said Centre.

- 1.....
- 2.....
- 3.....
- 4.....

sd/-  
(COL. A. BALASUBRAMANI  
OFFICER ON SPECIAL DUTY  
DEPARTMENT OF ELECTRONICS  
10TH SEPTEMBER, 1974

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'CHUGH'

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(54)

Meeting:

Dated: 14th April, 1975

Item No. 13: To consider the proposal of Birla Institute of Technology and Science, Pilani for the post of a Development Officer during V<sub>A</sub> Plan.

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At its meeting held on 10th February, 1975, the Commission considered the question of providing the post of Development Officer to the Institutions deemed to be universities during V Plan and agreed that Institutions deemed to be Universities may not be debarred from obtaining assistance for creation of a post of Development Officer during the V Plan. The Commission also felt that each case may be examined on merit (Item No.14).

The Birla Institute of Technology and Science, Pilani has sent a proposal (enclosed as annexure) for the creation of a post of Development Officer during V Plan.

It may be mentioned that during the Fourth Five Year Plan, the Commission made an allocation of Rs.78 lakhs to the Birla Institute which was second highest amongst all the Institutions Deemed to be Universities. Moreover, the Birla Institute of Technology and Science has at present, three Faculties viz., Faculty of Engineering, Faculty of Science and Faculty of Humanities and Social Sciences, which have a total number of twelve departments. The Institute has a student enrolment of 2044 (1973-74) and its faculty strength is 209. During the Fifth Five Year Plan, the Commission has tentatively decided to provide assistance to the Birla Institute of Technology and Science to the extent of Rs.100 lakhs.

The post of Development Officer at Birla Institute of Technology and Science, Pilani, if accepted by the Commission, will be in the pay scale of a Deputy Registrar and the Commission's assistance in this regard will be provided upto the end of the Fifth Five Year Plan.

The matter is placed before the Commission.

AS.D.4/DS.D.4

P.T.O.

(55)

Annexure to Item No. 13

Copy of the letter No.U/ODN/74/4390 dated 16th October, 1974 received from the Registrar, Birla Institute of Technology and Science, addressed to the Secretary, University Grants Commission, New Delhi.

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This has reference to your D.O.No.F.1-48/74(CD/CP) dated July 9, 1974 regarding appointment of a Development Officer. I am writing this to say that we would like to avail of the assistance of the University Grants Commission towards appointment of Development Officer. It has been noted that the assistance from the Commission would be available on 100% basis upto the end of 1978-79 and thereafter the post will have to be continued on permanent basis by the Institute. The guidelines suggested in your letter have also been noted.

I would request you kindly to let us have at the earliest approval of the Commission.

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'CHUGH'

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

56

Meeting:

Dated: 14th April, 1975

Item No. 15: To consider the report on the working of the instrument cell created at the Indian Institute of Science at Bangalore for indigenous manufacture of scientific instruments.

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The Commission at its meeting held in July, 1972 agreed to provide financial support upto the end of the 4th plan for the establishment of an Instrument Cell at the Indian Institute of Science, Bangalore for indigenous manufacture of scientific equipment with the provision of necessary recurring grant towards the appointment of one Senior Scientific Officer (Reader scale - Rs.700-1250) one Scientific Officer (Lecturer scale - Rs.400-950) and one stenographer (Rs.130-300). The UGC assistance was made available upto 31st March, 1974.

The Instrument Cell and the Indian Institute of Science, Bangalore kept the Commission informed of the progress made in regard to the fabrication of prototype scientific equipment. The activity of the Cell started in 1970 which resulted in the successful execution of a number of time-bound projects, dealing with research type of instruments and a few items of equipment suitable for teaching purposes. A total number of 32 projects were taken up by the Cell and a number of organisations/institutions have been benefited from the supply of instruments/equipment fabricated at the Cell.

The Commission at its meeting held on 9th July, 1973 considered a report on the working of the Instrument Cell at the Indian Institute of Science, Bangalore (item No.8). A Committee with Professor M. Santappa, Professor A.R.Verma, Professor C.N.R. Rao, was constituted to examine the proposal of the Institute for continuation and strengthening of the Instrument Cell beyond 31st March, 1974. The Committee visited the Cell on 30-31st May, 1974. The Committee appreciated the progress made in the Cell in regard to fabrication of prototype scientific equipment. The work was progressing well and with growing demand for the instruments fabricated at the Cell, the Committee recommended for its continuation and strengthening beyond 31st March, 1974. The Committee has recommended a provision of Rs.12 lakhs, covering both non-recurring (equipment, workshop facilities and instrument development - Rs.8 lakhs) and recurring grant (staff salary, Scientific Officers and supporting staff - Rs.4 lakhs) for the duration of the 5th Five Year Plan 1974-79.

P.T.O.

(57)

The report of the Committee is given at Annexure.

The Commission has been providing funds to the Instrument Cell at the Indian Institute of Science, Bangalore during 1970-74 under the Summer Institute budget head, as the instrument fabricated at the Cell, was originally meant for the Summer Institute Programme. The scope of the utilisation of the equipment fabricated at the Cell, has gone beyond Summer Institute Programme. The continuation of the funding of the project during 5th Five Year Plan, if agreed to, may have to be met out of the over-all 5th plan allocation to the Institute of alternatively out of the research project funds outside the plan allocation.

The matter is placed before the Commission for consideration.

J.S. (II)

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'CHUGH'



Report of the Visiting Committee appointed by the Commission for evaluation of the working of the Instruments Cell at the Indian Instt. of Science, Bangalore. (30-31st May, 1974).

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Background.

In 1969, the Commission, while considering the list of equipment to be procured from the United States against the Dollar Loan funds for Summer Science Institutes and fellow up activities desired that steps be taken for obtaining as much equipment as possible from indigenous sources. Dr. S. Dhawan, Director, Indian Institute of Science, Bangalore, who was also the then Member of the UGC, was requested to assist the Commission in analysing the information regarding the availability of such equipment and suggesting steps for stimulating its manufacture in the country. The survey was conducted by the Indian Institute of Science which indicated that considerable foreign exchange would be saved if steps were taken for making some of the items of equipment required in large numbers for different types of Summer Institutes. A suggestion was therefore made that a Cell for this purpose may be established at the Indian Institute of Science to maintain closer cooperation between the UGC, the universities and the institutions which would agree to participate in the instruments development programme. A Visiting Committee consisting of Professor AR Verma, Director, National Physical Laboratory, New Delhi, Professor LS Kothari, Department of Physics, Delhi and Dr. R.D. Deshpande, Joint Secretary, University Grants Commission was set-up for this purpose. This committee appreciated the efforts made by the Institute for fostering and maintaining sustained activity to design, develop and fabricate equipment and instruments at a time when foreign exchange was not available. The Committee also felt that these efforts should be adequately supported so that research and teaching instruments can be developed not only for the Institute but also for other institutions. The Committee also took note of the fact that the Fourth Plan Visiting Committee appointed by the UGC had also recommended special allocation of funds to be used by the Institute suitably by identifying specific projects from among the wide range of activity that existed in the departments of the Institute. The Commission agreed with the recommendation of the Committee for setting up of a small instruments cell/unit at the Indian Institute of Science for which the following posts were sanctioned on a temporary basis:

- One Reader
- One Lecturer
- One Stenographer.

The Institute incurred an expenditure of Rs. 1,01,741-60 on the salaries and allowances of the staff for the period 1970-74.

contd...

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The Indian Institute of Science from time to time informed the Commission regarding the progress made by the Instruments Cell in regard to fabrication of prototype scientific equipment. The Commission was also informed that the work was progressing well and with the growing demand for the instrumentation, it would be necessary to extend the Cell to function beyond the Fourth Plan period.

In order to evaluate the work of the Unit, a Committee consisting of the following was appointed by the Commission:

1. Professor M. Santappa  
Director  
Central Leather Research Institute  
Madras.
2. Dr. A.R. Varma  
Director  
National Physical Laboratory,  
New Delhi.
3. Professor C.N.R. Rao  
Department of Chemistry  
Indian Institute of Technology  
Kampur.
4. Dr. K.D. Deshpande  
Joint Secretary  
University Grants Commission  
New Delhi.

The Committee visited the Indian Institute of Science on 30th and 31st May 1974 and had discussions with Professor K.P. Sinha, Division of Physics and Mathematical Sciences, Dr. S.L.V. Chary, Coordinator, Central Instruments and Services Laboratory, Professor S.N. Balasubramanian, Professor M. Ramakrishna Rao and other members of the Central Instrumentation and Services Laboratory. The Committee noted that with the support of the UGC, the Indian Institute of Science has been able to initiate a coordinated Institute-wide programme of instrument development with the Central Instruments and Services Laboratory as the focal point. The Committee noted that the activity which began in 1970 has resulted in the successful execution of a number of time bound projects. Selected projects dealing with technological problems, others dealing with research type of instruments and a few items of equipment suitable for teaching purposes were undertaken by the CISEL. A total number of 32 projects were taken up by the members of the Faculty of the various departments of the Indian Institute of Science. The following table indicates the classification of the instruments projects according the purpose for which they are to be used :

Instruments for Research .	Instruments as Teaching aids.	Instruments for educational industrial laboratory.
1. Engine Indicator.	1. He-Ne Laster	1. Power Supply Source for Electrophoresis.

contd...

1.	2.	3.
2. Multiple Beam Interferometer	2. Digital Computer	2. Metering Pumps
3. Hot Wire Instrument	3. Gas Chromatograph	3. Automatic Fraction Collector.
4. Photoelectric Ellipsometer	4. Overhead Projector	4. Digital Voltmeter.
5. Piezoelectric Pressure transducer.	5. Mass Spectrometer.	5. R.P.M. Indicator
6. Mach-Zehnder Interferometer	6. Fresnel Lens.	6. Spectrophotometer.
7. Weissenberg Camera.		7. Projection Micro Manometer.
8. High Temperature X-ray Apparatus.		8. Ultrasonic Test Probe for material testing
		9. Analogue to Digital Converter.
		10. X-ray Diffractometer
		11. Goniometer Head
		12. Master Clock System
		13. Machine Tool Monitor
		14. Ultrasonic Drill
		15. Quartz Halogen Lamp
		16. Cadmium-Telluride Photo Cell

Details regarding projects are shown in Appendix.

Out of the completed projects, the transfer of technical know-how for six instruments, namely, Weissenberg Camera, Digital Voltmeter, Multiple Beam Interferometer, Hot Wire Instrumentation, Machine Tool Monitor and Lasers are being processed with various manufacturers. It was also noted that in order to make the technical know-how transfer more convenient two or three prototypes with the necessary product engineering have been fabricated and the reliability of their performance has been tested over a reasonable period.

The Committee noted with satisfaction that the existing facilities at the Institute, the following instruments were supplied to various organisations as mentioned below:

S.No.	Name of the Instrument	Name of the Organisation
1.	Weissenberg Camera	i) Inorganic & Physical Chemistry Deptt., Indian Instt. of Sc., Bangalore.
		ii) Physics Deptt. Indian Instt. of Science, Bangalore.
		iii) Kerala University, Trivandrum
		iv) Madurai University, Madurai.
		v) P.S.G. Arts College, Coimbatore.

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1.	2.
2.	Multiple Beam Interferometer.
	i) Central Instruments and Services Laboratory, Indian Institute of Science, Bangalore.
	ii) Sharp Edge and Company, Delhi.
3.	Lasers.
	i) Electrical Communication Engg., Indian Institute of Science, Bangalore.
	ii) Madras Institute of Technology, Madras.
	iii) National Aeronautical Laboratory, Bangalore.

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Other projects either completed or in the advanced stage of completion are also of great interest to the industry to undertake production. In this process expertise has been built up in different areas like Single Crystall X-ray Instrumentation (Weissenberg Camera, X-ray Generator, Goniometer Heads etc.), Gas Lasers, Digital Electronics (A/D Converter, Digital Thermometer, Digital Clock etc.), Optical Instruments (Multiple Beam Interferometer, Reflectometer etc.) and other fields like Mass Spectrometry etc. This had also brought awareness of the importance of the instrumentation and the need for self-reliance in instrument technology. The approach of the Cell has been to maintain a proper balance between the theoretical and experimental work. In this process, efforts have been made for a closer liaison between the industry and the Institute so as to built up better understanding of the technological problems involved in the development of instruments. This activity has also accelerated the introduction of hardware oriented programmes in the academic curriculum and also in the research programmes.

The Committee was, therefore, of the view that the activity of the Cell should be continued and strengthened by taking into account the experience gained during the first phase. The Committee would in particular like to mention the role played by the Staff of the UGC Cell consisting of two scientific officers and three technicians in the successful and speedy execution of these projects. It was noted that the valuable experience gained by the Cell in the execution of the projects and in particular the design competence in instrumentation had been utilised by the various departments of the Institute for their research activities. Particular mention could be made of (1) Tele-Thermometer, (2) Temperature Controller, (3) Precision Interval timer, (4) Digital Clock, (5) Laboratory Photo-meter and (6) Photomultiplier Power Supply.

In order to maintain the continuity of work of the development and fabrication of instrument activity and to utilise the experience acquired during the past five years, the committee felt that it would be useful to continue the financial assistance for the Cell and its

projects during the Fifth Plan period with the following objectives.

1. To carry out the product engineering work on the laboratory and bench models of the instruments already developed in different departments.
2. To encourage the talent in instrumentation by providing the financial support to the new projects in the areas where expertise has been built up.
3. To encourage major sophisticated instrumentation by inter-disciplinary projects that could generate new lines of activity in the instrument technology, for example, high power lasers, ultra high vacuum instrumentation, instrumentation for surface studies, numerical control of machine tools, electron optics and opto-electronics.

Staff.

In order to carry out the Instruments Projects in the Fifth Plan, the present UGC Cell should continue to provide technical assistance to the Projects to be handled. The UGC Cell may be strengthened further with scientific and supporting staff in the areas of mechanical design, optics and vacuum technology.

Financial Implications.

Keeping in view the stage of development of various projects, it would be necessary to give the CISL financial assistance amounting to Rs. 12 lakhs for the period 1974-79 as indicated below:

I	<u>CAPITAL GRANT</u>	
	(a) Measuring Equipment	Rs. 2.00 lakhs.
	(b) Workshop Facilities.	Rs. 2.00 lakhs.
II.	<u>DEVELOPMENT OF INSTRUMENTS.</u>	
	Project Funding.	Rs. 4.00 lakhs.
III.	<u>RECURRING GRANT.</u>	
	Staff Salaries:	
	Scientific Officers &	
	Supporting Staff.	Rs. 4.00 lakhs.
	Total:	<u>Rs. 12.00 lakhs.</u>

The amount has been suggested keeping in view the enhanced price of materials, equipment and increase in staff salaries. This amount may be made available to the Indian Institute of Science, Bangalore outside its Fifth Plan allocation.

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The Committee also had discussions with the faculty members in regard to the proposals submitted by them for the development of electron microscope. The Committee was informed that support for this project has been sought from the Science Research Council of the U.G.C. The Committee strongly recommends that the UGC may favourably consider giving financial support for this project because it would involve acquisition of know-how of some of the most sophisticated techniques.

The Committee would like to place on record its appreciation of the courtesy extended to it by the faculty of the CISL and the Indian Institute of Science authorities.

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DETAILS OF INSTRUMENT PROJECT

Project.	Project Leader, Associates and Department.	No. of Units Fabricated.	Financial Allocation	Remarks
2.	3.	4.	5.	6.
<u>Projects Completed.</u>				
He-Ne Laser.	Prof. R.S. Krishnan Dr. K. Krishnan Prof. P.S. Narayanan Physics Department.	2	Rs. 16,000/-	
Mass Spectro- meter.	Prof. V.S. Venkata- subramanian	4	Rs. 65,000/-	
Power Supply Source for Electro- Phoresis.	Dr. P.J. Withayathil Biochemistry Deptt.	6	Rs. 17,000/-	
Metering Pumps.	-do-	6	Rs. 3,000/-	
Automatic Frac- tion Collector	Dr. S.A. Kumar Biochemistry Deptt. Dr. S.L.V. Chary Mr. V. Krishnabarakham Mr. R. Ramakrishnan C.S.I.L.	2	Rs. 9,000/-	Transfer of know- how under negotiation with M/S K.C. Tech nivas & Co. Madras.
Digital Voltmeter	Prof. B.S. Sonde E.C.E. Department Mr. G.S. Varadan C.S.I.L.	4	Rs. 20,000/-	
Digital Computer.	Prof. N.S. Nagaraja E.C.E. Department.	1	Rs. 7,000/-	
Gas Chromoto- graph (Kit form).	Dr. S.N. Balasubrah- maryam Organic Chemistry Department.	2	Rs. 3,000/-	
Engine Indicator.	Prof. A.V. Sreenath Mechanical Engg. Department.	1	Rs. 15,000/-	
R.P.M. Indicator.	Prof. A.V. Sreenath Mechanical Engg. Department.	4	Rs. 2,000/-	

c/o

Rs. 57,000/-

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1.	2.	3.	4.	5.	6.
11.	He-Ne Laser	Prof. M. Ramakrishna Rao, Mechanical Engg. Department. Dr. S. Narayna Rao C.I.S.L.	B/F Rs. 1,57,000/- 4. 4.	2,000/- 27,000/-	Transfer 'knowhow' under nego- tiation by M/s Elect- nic Corpo- ration of India Ltd Hyderabad
12.	Multiple Beam Inter- ferometer Mark-I.	Mr. T.V. Pardhasara- dhi Mr. A. Thomas. Prof. M. Ramakrishna Rao Advisor, C.I.S.L.	1.	4,100/-	
13.	Over Head Projector.	Dr. S.L.V. Chary Mr. T.V. Pardhasaradhi C.I.S.L.	1.	11,000/-	
14.	Ultrasonic Drill.	Dr. A.A. Shanin. Mr. B.S. Ramprasad C.I.S.L.	1	2,000/-	
15.	Weissenberg.	Prof. M.A. Viswamitra Physics Department.	2	20,000/-	
16.	Hot Wire Instrumen- tation.	Prof. R. Narasimha Dr. A. Prabhu A.E. Department Dr. S.L.V. Chary Mr. G.S. Varadan C.I.S.L.	3	16,000/-	Transfer of 'know- how'.
17.	Photoelectric Ellipsometer.	Prof. A.K.N. Reddy, Mr. S. Arunachalam I.P.C. Department Dr. S.R. Rajagopalan, N.A.L.	1	26,000/-	Collabora- tion with National Aeronautics Laboratory Bangalore.
18.	Fresnel Lens.	Mr. T.V. Pardhasaradhi Dr. S.L.V. Chary C.I.S.L.	4.	17,500/-	
19.	Piezo Electri Pressure Transducer.	Dr. J. Gururaja Mechanical Engg. Deptt. Dr. S.L.V. Chary Mr. G.S. Varadan C.I.S.L.	2.	25,000/-	

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(66)

2.	3.	4.	5.	6.
Machine Tool	Mr. A. Thomas Mr. G.S. Varadan Dr. S.L.V. Chary	1.	20,000/-	Transfer of 'know-how' under negotiations with M/s CMOS Enterprises, Bangalore & M/S Computer Aids and Systems, Bombay.
Multiple Beam Interferometer Mark-II.	Dr. A. Thomas Mr. T.V. Pardhasaradhi C.I.S.L.	1.	10,000/-	Transfer of 'knowhow' under negotiation with M/s K.G. Toshniwal & Co. Madras.
Analog to Digital Converter.	Mr. V. Krishnabrahman. Mr. G.S. Varadan C.I.S.L.	1.	6,000/-	Transfer of 'knowhow' under negotiation for Digital Voltmeter with M/S Deekaytron International Bangalore.
X-ray Diffractometer	Prof. M.A. Viswamitra Physics Deptt.	1.	40,000/-	
Coniometer	-do-	1.	5,000/-	
High Temperature X-ray apparatus.	-do-	1.	5,000/-	
<u>PROJECTS NEARING COMPLETION</u>				
Spectrophotometer.	Dr. S.L.V. Chary Mr. R.N. Murty Mr. V. Krishnabrahman, C.I.S.L.	1.	8,000/-	
8" Schlieren Mach-Schlier Interferometer.	Prof. K. Krishna Prasad, M.E. Department. Mr. T.V. Pardhasaradhi C.I.S.L.	1.	15,000/-	

contd..

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1.	2.	3.	4.	5.	6.
28.	Projection Micro Manometer.	Prof. S. Soundrana- yagan, M.E. Deptt. Mr. T.V. Pardhasaradhi, C.I.S.L.	2	5,000/-	
29.	Ultrasonic Test Probe for material testing.	Dr. M.N. Srinivasan M.E. Department. Dr. S.L.V. Chary, C.I.S.L.	1.	1,000/-	
<u>PROJECTS NOT COMPLETED.</u>					
30.	Quartz Halogen Lamp.	Mr. T.V. Pardhasaradhi Dr. S.L.V. Chary Mr. H.K. Vittal Rao, C.I.S.L.	4.	12,000/-	
31.	Cadmium	Dr. S.L. V. Chary C.I.S.L.		6,000/-	
32.	Master Clock System.	Mr. R. Ramakrishna Dr. S.L.V. Chary.		2,000/-	
Total				Rs. 4,40,000/-	

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(68)

Meeting:

Dated: 14th April, 1975

Item No. 16: To consider the question of providing additional Basic Grants to the Departments of Special Assistance (Science) during the Vth Plan period, for the purchase of Equipments, Books and Journals.

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The Commission at its meeting held on 2nd February, 1972 (Item No. 20) agreed that assistance to 26 Selected Departments (Annexure-I) may be provided towards upgrading of quality of advanced work (teaching & research) in the universities and colleges and for encouraging special areas of multidisciplinary courses. The grants to these departments were originally approved for a period of five years, with effect from 1st April, 1972. Subsequently the Commission at its meeting held in August, 1974 decided that assistance to these departments may be made available upto the end of the Fifth Plan period (1978-79) instead of a five year period as originally provided on the condition that subsequent to this date i.e. w.e.f. 1.4.1975, the university/ State Government, will take over the recurring expenditure as committed expenditure.

Details of the provision made and (Non-recurring) grants paid to the 20 Science Departments under the 'Heads' 'Equipment' and 'Books and Journals' are given in Annexure-II.

In case of seven science departments either the entire grant or a substantial part thereof under the non-recurring 'heads' 'Equipment' and 'Books and Journals' have been released depending on the basis of progress of expenditure as indicated in Annexure-II. In a few cases specific requests have been received for the enhancement of grants for these purposes in view of the fact that of late there has been a considerable rise in the prices.

Keeping in view that the Commission has agreed to provide assistance to these departments included under the programme of special assistance to Selected Departments upto the end of the Vth Plan period and on the basis of information given in Annexure-III, it is for consideration whether additional (basic) grants of Rs. 2,00,000/- for 'Equipment' and Rs. 1,00,000/- for 'Books & Journals' to each of these seven university departments may be provided during the Fifth Plan period.

P.T.O.

(69)

It is also for consideration whether basic grants on similar lines may be provided to other departments during the Vth Plan period after they have utilised the existing grants for these purposes.

The matter is placed before the Commission for consideration.

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LIST OF DEPARTMENTS APPROVED FOR SPECIAL ASSISTANCE PROGRAMME

1. Physics: (1) University of Andhra  
(2) University of Allahabad
2. Chemistry: (3) Indian Institute of Science,  
Bangalore.  
(4) University of Rajasthan  
(5) University of Panjab  
(6) University of Calcutta  
(7) University of Osmania  
(8) University of Madras  
(9) University of Poona
3. Biochemistry: (10) University of Lucknow  
(11) M.S. University of Baroda
4. Botany: (12) University of Panjab  
(13) University of Andhra  
(14) University of Calcutta  
(15) Banaras Hindu University
5. Mathematics: (16) University of Poona.
6. Geology: (17) University of Andhra  
(18) University of Jadavpur
7. Zoology: (19) Banaras Hindu University
8. Metallurgy: (20) Banaras Hindu University
9. Economics: (21) University of Osmania  
(22) Presidency College, Calcutta.
10. History: (23) University of Patna
11. Sociology: (24) University of Saugar  
(25) University of Bombay
12. Archaeology: (26) University of Poona  
(Deccan College Postgraduate and  
Research Institute, Poona).

ANNEXURE-II TO ITEM NO. 16

Departments of Special Assistance. (Science)

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	<u>Grants Approved</u>	<u>Grants released upto date</u>
<u>1. Physics - Allahabad University</u>		
Equipment	Rs. 5,00,000/-	Rs. 1,30,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 90,000/-
<u>2. Physics - Andhra University</u>		
Equipment	Rs. 5,00,000/-	Rs. 80,000/-
Books and Journals	Rs. 1,00,000/-	Rs. 18,000/-
<u>3. Inorganic &amp; Physical Chemistry - I. I. S. Bangalore.</u>		
Equipment	Rs. 5,00,000/-	Rs. 1,00,000/-
Books and Journals	Rs. 1,00,000/-	Rs. 20,000/-
<u>4. Chemistry - Rajasthan University</u>		
Equipment	Rs. 5,00,000/-	Rs. 50,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 45,000/-
<u>5. Chemistry - Panjab University</u>		
Equipment	Rs. 3,50,000/-	Rs. 3,50,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 1,00,000/-
<u>6. Pure-Chemistry - Calcutta University</u>		
Equipment	Rs. 3,50,000/-	Rs. 3,50,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 1,00,000/-
<u>7. Chemistry - Osmania University</u>		
Equipment	Rs. 2,50,000/-	Rs. 1,30,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 50,000/-
<u>8. Physical Chemistry - Madras University</u>		
Equipment	Rs. 3,00,000/-	Rs. 75,000/-
Books & Journals	Rs. 50,000/-	Rs. 10,000/-
<u>9. Chemistry - Poona University</u>		
Equipment	Rs. 4,00,000/-	Rs. 3,25,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 28,000/-
<u>10. Biochemistry - Lucknow University</u>		
Equipment	Rs. 3,00,000/-	Rs. 1,00,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 60,000/-

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<u>11. Biochemistry - M.S. University of Baroda</u>		
Equipment	Rs. 2,50,000/-	Rs. 2,50,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 1,00,000/-
<u>12. Botany - Panjab University</u>		
Equipment	Rs. 2,00,000/-	Rs. 1,35,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 60,000/-
<u>13. Botany - Andhra University</u>		
Equipment	Rs. 2,00,000/-	Rs. 1,25,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 75,000/-
<u>14. Botany - Calcutta University</u>		
Equipment	Rs. 2,50,000/-	Rs. 2,49,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 30,000/-
<u>15. Botany - Banaras Hindu University</u>		
Equipment	Rs. 3,00,000/-	Rs. 1,00,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 78,000/-
<u>16. Mathematics &amp; Statistics - Poona University</u>		
Equipment	Rs. 25,000/-	Rs. 20,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 45,000/-
<u>17. Geology - Andhra University</u>		
Equipment	Rs. 3,00,000/-	Rs. 80,000/-
Books & Journals	Rs. 50,000/-	Rs. 40,000/-
<u>18. Geology - Jadavpur University</u>		
Equipment	Rs. 2,50,000/-	Rs. 1,25,000/-
Books & Journals	Rs. 50,000/-	Rs. 40,000/-
<u>19. Zoology - Banaras Hindu University</u>		
Equipment	Rs. 3,00,000/-	Rs. 3,00,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 20,000/-
<u>20. Metallurgy - Banaras Hindu University</u>		
Equipment	Rs. 6,00,000/-	Rs. 2,00,000/-
Books & Journals	Rs. 1,00,000/-	Rs. 40,000/-

ANNEXURE-III TO ITEM NO.16

<u>Department</u>	<u>University</u>	<u>Item</u>	<u>Grants approved</u>	<u>Grants paid</u>
Physics	Allahabad	Books & Journals	Rs.1,00,000/-	Rs. 90,000/-
Chemistry	Panjab	-do-	Rs.1,00,000/-	Rs.1,00,000/-
		Equipment	Rs.3,50,000/-	Rs.3,50,000/-
Chemistry	Calcutta	Equipment	Rs.3,50,000/-	Rs.3,50,000/-
		Books & Journals	Rs.1,00,000/-	Rs.1,00,000/-
Chemistry	Poona	Equipment	Rs.4,00,000/-	Rs.3,25,000/-
Biochemistry	M.S.University of Baroda.	-do-	Rs.2,50,000/-	Rs.2,50,000/-
		Books & Journals	Rs.1,00,000/-	Rs.1,00,000/-
Botany	Calcutta	Equipment	Rs.2,50,000/-	Rs.2,49,000/-
Zoology	Banaras	-do-	Rs.3,00,000/-	Rs.3,00,000/-

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(74)

Meeting:

Dated: 14th April, 1975

Item No. 17: To consider the question of enhancement of the limit laid down by the Commission for payment of honorarium to the Visiting Teachers/Experts for extension lectures in Universities under the "Unassigned grant".

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The Commission at its meeting held on 7th May, 1974 considered the recommendations of the Committee appointed by the Commission to review the list of items under the "Unassigned grant" during the Fifth Plan period. The Commission accepted the recommendations of the Committee with regard to the scheme of unassigned grants from the Fifth Plan period. One of the items covered under the scheme of "Unassigned grant" is "Exchange of Teachers".

The following guidelines laid down by the Commission are to be observed by the Universities in respect of visit of Teachers, Experts, Scientists from within the country under the Scheme "Exchange of Teachers:-

- a) Free accommodation and boarding to be provided by the host university from its own funds.
- b) Travelling expenses of the Visiting teachers/Experts may be met out of the unassigned grant according to the rates prescribed by the host Institutions including air-fare where necessary with the approval of the Vice-Chancellor.
- c) The Visiting teacher/Experts may be paid an honorarium upto Rs.50/- per lecture/Seminar subject to a maximum of Rs.500/- for an assignment of not less than two weeks duration.

This assistance will be available to teachers working in University departments as well as teachers working in constituent and affiliated colleges.

It has been brought to the notice of the Commission by some of the Universities/Institutions that the sum of Rs.50/- per Lecture fixed by the Commission as honorarium to the Visiting Teacher/Experts for extensive lectures is too small and may be enhanced to Rs.100/-.

(75)

It may be pointed out that Free accommodation and boarding as also travelling expenses are also paid to invited teachers in all such cases.

The matter is placed before the Commission for consideration.

F.O.(CP)

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

76

Meeting:

Dated : 14th April, 1975

Item No. 18: To consider proposals received from Colleges which are not at present participating in COSIP for participation in colleges humanities and social sciences improvement programme (COHSIP).

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The Selection Committee constituted by the University Grants Commission to consider the question of selecting colleges for participation in COHSIP at its meeting in July, 1974 suggested that the Vice-Chancellors of the Universities may be requested to suggest names of a few colleges which in their view had good arts department and which could be invited to send proposals for participation in COHSIP. Accordingly, the Vice-Chancellors were requested in August, 1974 to suggest the names of about 10% of the total number of arts colleges of about 10 years standing affiliated to their universities for participation in COHSIP. The Commission received 106 proposals in response to this letter. These proposals were processed and graded in the same way as the proposals received from colleges participating in COSIP. The criteria for grading are indicated in Annexure I. The grade points secured by the 106 colleges are indicated in Annexure-II. Twentynine colleges have secured 15 or more points in the grading as per details given in Annexure III. Three of these colleges have, however, less than 10 years standing. These colleges are V.W. Sabha's Arts & Commerce College, Dhulia, A.C. College of Arts and Science, Tiruchandur and Kamraj College, Tuticorin which were established in 1966, 1965 and 1966 respectively. The remaining colleges are of more than 10 years standing. State-wise details of colleges from whom proposals were received and colleges already selected and proposed to be selected is at Annexure-IV.

It may be mentioned in this connection that in the first selection under COHSIP, 42 colleges which were already participating in COSIP were selected and selection of these colleges was reported to the Commission at its February, 1975 meeting (Item No. ). Colleges which had secured 15 or more grade points had been selected. Since then, proposals from 22 more COSIP colleges were received and 13 of these colleges have received more than 15 points in the grading. As desired by the Commission, their final selection will

p.t.o.

(77)

be made only after ascertaining their performance under COSIP.

The suggestion for selecting 29 non-COSIP colleges for participation in COSHIP is placed before the Commission for consideration.

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RATING OF COLLEGES FOR COSHIP

The Sub-Committee of the Committee appointed by the University Grants Commission to recommend colleges for assistance under the COSHIP Programme met on 19th September 1974 in the UGC Office. It was decided that the UGC Office may make a preliminary scrutiny of the colleges to be covered under the COSHIP in the light of the following criteria:-

- 1) Quality of staff
- 2) Number of books and journals
- 3) Staff-Student Ratio
- 4) University results at the B.A. final level
- 5) Quality of programmes.

Rating of the colleges on a 5-point scale in respect of each of the following items is given below:-

- 1) Staff:
  - (a) Proportion of Ph.Ds.
  - (b) Proportion of Ist class M.As. on the staff
- 2) Books & Journals:
- 3) Staff-Student Ratio:
- 4) Examination results at the final B.A. level.

The key used in rating the colleges in respect of each of the items mentioned above is given below:-

(1)	<u>Examination Results</u>	<u>Points</u>
	100 to 90%	5
	89 to 75%	4
	74 to 60%	3
	59 to 50%	2
	Below 50%	1

(2)	<u>Staff</u>	<u>Points</u>
	(a) Ph.Ds. Percentage of the staff (Cumulative for all departments)	
	33% and above	5

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Between	33% and 25%	4
"	25% and 20%	3
"	20% and 10%	2
"	10% and Nil	1
		0

b) First-Class M.As: Proportion of the total: (Cumulative for all departments)

	66% and above	5
Between	60% and 50%	4
"	50% and 40%	3
"	40% and 33%	2
"	30% and 25%	1
	Below 25%	0

3) Staff-Student Ratio:

It was felt that the staff-student ratio in a college is the key to the success of any qualitative improvement programmes in an institution and more so in the case of the COHSIP. In view of this, the weightage given to the staff-student ratio is double that of the weightage given to their items:

		<u>Points</u>
	1.20 and better	10
Between	1.20 and 1.30	8
"	1.30 and 1.40	6
"	1.40 and 1.60	4
"	1.60 and 1.80	2
	1.80 and below	0

4) Books and Journals:

Books

	<u>No. of Books</u>	<u>Points</u>
	50,000 and above	5
Between	40,000 and 50,000	4
"	25,000 and 40,000	3
"	10,000 and 25,000	2
"	5,000 and 10,000	1

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(b) Journals

<u>No. of Journals</u>	<u>Points</u>
500 to 400	5
400 to 300	4
300 to 200	3
200 to 100	2
100 to 50	1

Books and journals relating to all departments in the Humanities and Social Sciences in the library of the colleges have been pooled together for the purpose of calculating the rating in respect of these two items.

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Grading of proposals received from Colleges for participated in COSSIP.

- A. Assam State
- B. No. of Universities (2)  
Dibrugarh, Gauhati.
- C. No. of Colleges.
- D. No. of proposals received-8.

S. No.	Name of the College.	Exam. Result	Staff Strength			Students Teachers Ratio.	Books & Journals	Rating for the colleges.		Remarks.
			Ph.D.s	M.A. M.Sc. Ist. Class.				8a	9a	
1a	2a	3a	4a	5a	6a	7a	8a	9a	10a	

A- Dibrugarh University.

1.	Dergam K.D. College, Dergam.	2	C	C	6	1	8	9	-
2.	D.S. Girls College, Jorhat	2	C	C	6	1	8	9	-
3.	North Lakhimpur College, North Lakhimpur.	2	C	C	5	2	8	9	-
4.	Debraj Raj College, Golaghat.	2	C	C	5	1	8	9	-

B- Gauhati University.

5.	Nowgong College, Nowgong.	2	C	C	5	2	5	14	-
6.	Cotton College, Gauhati.	4	C	C	2	5	C	12	-
7.	M.C. College, Harpeta.	2	C	C	3	1	8	4	-

- A- Kerala State
- B. No. of Univ. (2) Calicut, Kerala.
- C. No. of College.
- D. No. of Proposals received-9.

A- Calicut University.

8.	P.S.M.O. College, Firurangadi	0	2	C	6	1	8	5	-
9.	Govt. Brennan College, Telicherry.	2	C	2	6	3	8	14	-



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Kerala State Contd.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
10.	S.N. College, Cannanore.	3	5	0	8	0	6	11	-
11.	Govt. Victoria College, Palghat.	3	0	1	7	6	6	13	-
12.	Christ College, Irinjalakuda.	3	6	6	4	3	2	12	-
13.	Farook College, Feroke.	3	0	0	6	2	NI	11	-
14.	Providence Women's College, Calicut.	4	0	0	3	2	0	9	-
A- <u>Andhra State</u>									
B. No. of Universities (2) Andhra, Sri Venkateswara									
C. No. of Colleges,									
D. No. of proposals received-8.									
15.	St. Joseph's College for Women, Waltair.	2	0	1	10	2	1	16	-
16.	Govt. College, Sri-Kakulam.	1	0	0	NI	2	0	3	-
<u>Sri Venkateswara University.</u>									
17.	D.K. Govt. College, Nellore.	1	0	0	3	2	0	6	-
A. <u>Orissa State</u>									
B. No. of Universities (3) Sambalpur, Utkal and Bargarh.									
C. No. of Colleges.									
D. No. of proposals received-9.									
A. <u>Sambalpur University.</u>									
18.	Kalahandi College, Bhawanipatna.	3	0	2	0	0	0	6	-
19.	Rajendra College, Bolangir.	3	0	3	0	2	0	9	-
20.	Sundargarh College, Sungargarh.	3	0	0	4	1	0	7	-

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
<u>B. Utkal University.</u>									
21.	B.J.S. College, Bhubaneswar.	4	1	5	8	2	5	25	-
22.	M.F.C. College, Baripada.	3	0	1	8	3	1	16	-
23.	Bhadrak College, Bhadrak.	2	0	0	10	3	NI	15	-
<u>C. Berhampur University.</u>									
24.	Vijaya Devi College, Jaypore.	2	0	1	10	2	0	15	-
25.	Govt. College, Phulbani.	3	1	3	2	2	5	16	-
26.	Govt. Women's College, Berhampur.	3	0	1	8	2	0	14	-
<u>A. State Uttar Pradesh.</u>									
B. No. of Universities (5) Lucknow, Allahabad, Kanpur, Meerut and Kumaon.									
C. No. of Colleges.									
D. No. of proposals received - 9.									
<u>A. Allahabad University.</u>									
27.	Allahabad Degree College, Allahabad.	4	2	2	4	2	0	14	-
<u>B. Meerut University.</u>									
28.	D.K.V. College, Bulandshahr.	3	2	1	4	2	1	13	-
29.	D.J. College, Baraut (Meerut)	3	3	2	8	3	2	21	-
30.	J.V. Jain College, Saharanpur.	4	3	3	2	3	NI	15	-
31.	K.K. Jain Degree College, Khatauli.	4	3	0	2	2	1	12	-
32.	M.M.M. College, Modinagar.	3	3	5	3	3	2	19	-
<u>C. Kumaon University.</u>									
33.	Govt. P.G. College, Almora.	4	2	4	6	2	0	18	-
34.	Govt. P.G. College, Pithoragarh.	4	2	2	3	2	NI	13	-

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A. Gujarat State  
 B. No. of Universities (3) Saurashtra, South Gujarat  
 Sardar Patel.  
 C. No. of College.  
 D. No. of Proposals received-9.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
<u>A. Saurashtra University.</u>									
35.	Daswidas Arts College, Bhavnagar.	5	1	0	NI	3	1	6	-
36.	S.S.P. Jain Arts & Commerce Dhrangadhra.	5	0	0	10	1	1	18	-
37.	Matushri Virbarina Mahila College, Rajkot.	5	2	0	8	2	0	17	-
38.	D.K.V. Arts & Science College, Jamnagar.	4	0	0	7	2	1	14	-
39.	Kamani Science & Pratarai Arts College, Amreli.	5	0	0	10	2	0	18	-
<u>B. South Gujarat University.</u>									
40.	M.T.B. Arts College; Surat.	4	3	1	6	3	5	22	-
41.	Smt. J.P. Shraff Arts College Bulsar (Valsad)	4	0	0	1	2	5	12	-
<u>C. Sardar Patel University.</u>									
42.	P.V. Patel Arts College, Vallabh Vidyanagar.	5	1	0	4	2	1	13	-
<u>A. Maharashtra State.</u>									
B. No. of Universities (4) Bombay, Marathwada, N Poona.									
C. No. of College.									
D. No. of proposals received-21.									
<u>A. Nagpur University.</u>									
43.	Janta Mahavidyalaya, Chandrapur	0	0	0	8	2	2	12	-
44.	Nabira Mahavidyalaya, Katol.	3	0	0	8	2	1	14	-

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
45.	Lady Amritabai Daga College for Women, Nagpur.	3	-	1	5	2	11	-	
46.	Gitabai Arts College, Akola.	1	1	0	5	5	13	-	
47.	Shri Shriji College, Amalner.	1	0	0	10	2	13	-	
48.	J.M. Patel College of Arts & Commerce, Bhandara.	0	0	0	5	2	8	-	
<u>B. S.N.D.T. Women's University.</u>									
49.	Smt. N.C. Gandhi Mahila College, Bhavnagar.	4	0	0	6	2	14	-	
<u>C. Poona University.</u>									
50.	M.S.G. Arts & Science and Commerce College, Malgaon.	3	0	0	1	4	10	-	
51.	M.J. College, Jalgaon.	2	1	0	6	4	13	-	
52.	Pratap College, Amalner.	4	1	0	3	3	13	-	
53.	Arts, Science & Commerce College, Chalisgaon.	4	2	0	6	0	13	-	
54.	V.N. Babha's Arts & Commerce College, Dhulia.	4	-	0	9	2	16	-	
55.	S.S.V.P. Sanatni's Arts & Commerce College, Dhulia.	4	2	0	6	3	16	-	
56.	Songannar Nagar Palika Arts Science & Commerce College, Songannar.	3	2	0	4	2	13	-	
57.	M.E. Society's Abasheb Gareware College, Poona.	3	2	0	3	2	11	-	

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1	2	3	4	5	6	7	8	9	10		
			<u>PANJAB</u> <u>Punjabi University</u>								
58.	Govt. Rajindra College, Bhatinda.	3	0	0	0	3	1	7	-		
59.	Govt. College for Women Patiala.	5	0	0	1	3	1	10	-		
60.	Mahendra College, Patiala	3	NI	NI	7	2	0	12	-		
61.	Govt. College, Gulbarga.	3	0	0	8	2	NI	13	-		
62.	Lingraj College, Belgau	NI	0	0	NI	3	NI	3	-		
63.	Karnatak Arts College, Dharwar.	3	1	0	0	5	NI	9	-		
64.	Shri Vajay Mahanton Arts & SC College, Tikal	3	0	1	9	1	0	14	-		
65.	S.B.B. College of Commerce, Gulbarga.	3	0	0	0	2	NI	5	-		
66.	S.B.B. College of Arts, Gulbarga.	3	0	0	4	2	1	10	-		
67.	B.V.B. College of Arts & Science.	3	0	0	6	1	NI	10	-		
68.	Smt. V.G. College for Women,	1	0	0	7	1	0	9	-		
69.	J.G. College of Commerce, Hugli.	1	0	0	8	2	1	4	-		

KARNATAKA STATE  
Karnataka University

A. State: Tamil Nadu (I)  
B. No. of Universities (2) Madurai & Madras  
C. No. of Colleges:  
D. No. of proposals received: 17

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1.....2.....3.....4.....5.....6.....7.....8.....9.....10.....

A. Madurai University

70.	Arumigu Palaniandavar Arts College, Palni.	2	0	1	10	2	0	15	-
71.	Arya Nadar Janaki Ammal College, Sivakasi.	4	0	0	9	0	0	13	-
72.	G.T.N. Arts College, Dindigul.	4	0	0	7	0	0	11	-
73.	N.M.S.S.V.N. College, Nagamalai, Madurai.	4	0	0	9	1	0	14	-
74.	Aditanar College of Arts & Science, Tirucheudur.	4	0	1	8	2	1	16	-
75.	Sarah Tucker College, Palayankottai.	4	0	1	10	2	1	18	-
76.	Sri Parashakti College for Women, Cvarthallam.	5	0	0	9	1	0	15	-
77.	Kamraj College, Tuticorin	5	0	0	10	1	1	17	-
78.	Scott Christian College, Nagarcoil.	3	1	0	6	3	2	15	-

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1 ..... 2 ..... 3 ..... 4 ..... 5 ..... 6 ..... 7 ..... 8 ..... 9 ..... 10

B. Madras University

79. Agurchand Manmull Jain College Meenambakkam (Madras)	1	0	0	4	2	1	8	-
80. Stella Maris College, Madras-86	5	0	2	8	3	5	23	-
81. Jamal Mohamed College, Tiruchirapalli.	3	0	0	3	2	1	9	-
82. Ethiraj College for Women, Madras.	4	0	0	8	2	0	14	-
83. Govt. Arts College, Salem	NI	0	0	9	2	NI	11	-
84. Rajah Serfoji Govt. College, Thanjavur.	2	0	0	10	2	0	14	-
85. L.V.C. College, Mayuram	3	0	0	8	2	1	14	-
86. A.V.V.M. Sri Pushpam College, Thanyavm.	2½	0	0	4	0	NI	6½	-
87. Sri Avinashi Lingom House Science College for Women, Coimbatore.	3	1	2	2	4	9	21	-

A. States (4) Bihar, M.P., West Bengal, Karnataka  
 B. No. of Universities (4): Patna, Magadh. APS University, Burdwan, Bangalore. (89)  
 C. No. of Colleges (2) (1) (1) (2)  
 D. No. of proposals received:

	2	3	4	5	6	7	8	9	10
<u>B. Madhya Pradesh</u>									
<u>A. A.P. Singh University.</u>									
88. Govt. Degree College, Tikamgarh.	3	3	3	2	2	0	13	-	
<u>E. West Bengal</u>									
<u>A. Burdwan University</u>									
89. Saldaha College, Saldaha.	5	0	0	4	1	NI	10	-	
<u>D. Karnataka</u>									
<u>A. Bangalore University</u>									
90. A.P. College of Arts, Commerce & Science, Bangalore.	1	0	0	4	2	NI	7	-	
<u>E. Ranchi University (Bihar)</u>									
91. Giridih College, Giridih.	2	2	0	7	1	NI	12	-	
92. Simdega College, Simdega.	1	0	0	4	1	NI	6	-	
<u>F. Bhagalpur</u>									
93. Marwari College, Bhagalpur	3	2	0	6	2	5	18	-	
<u>Karnataka State</u>									
<u>Bangalore University</u>									
94. Acharya Pathshala College of Arts, Commerce and Science, Bangalore.	1	0	0	2	2	NI	5	-	

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1 ..... 2 ..... 3 ..... 4 ..... 5 ..... 6 ..... 7 ..... 8 ..... 9 ..... 10

Madhya Pradesh State  
Ravi Shankar University

95. Durga Mahavidyalaya, Raipur 3

0 0 0 2 1 6

Karnataka State  
Karnatak University

96. Banashankari Arts College  
Dharwar. 5

0 0 4 2 0 11

- A. State: Meghalaya, Panjab
- B. No. of Universities (1) North Eastern Hill University,  
Guru Nanak University
- C. No. of Colleges.
- D. No. of proposals received:

A. North Eastern Hill University

97. St. Anthony's College,  
Shillong. 2

0 0 10 2 NI 14

98. St. Mary's College,  
Shillong. 5

0 0 6 1 5 17

99. Lady Keans' Girls College,  
Shillong. 3

0 0 1 2 0 6

100. Pachhunga Memorial Govt.  
College, Aizawl. 2

0 0 2 2 0 6

B. Panjab  
Gurunanak University

101. Barring Union Christian College  
Batala. 3

1 0 NI 2 2 8

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.....3.....4.....5.....6.....7.....8.....9.....10.....

Guru Nanak University (contd.)

ansraj Mahila Vidyalaya,  
Jullundur. 4 2 0 4 2 1 11 -

Madhya Pradesh.

Indore University

13. PMB Gujarati Arts Commerce &  
Law College, Indore. 3 2 0 NI 0 NI 5 -

14. Govt. Arts & Commerce,  
College, Indora. 4 1 0 10 5 NI 20 -

15. Indore Christian College,  
Indore. 3 5 0 3 3 2 14 -

Ranchi University.

16. ANS College, Bargh (Patna) 3 4 1 7 1 5 21

To be included  
in the list.

Colleges proposed to be selected under  
COHSIP

S. No.	Name of the College	University	No. of points in the grading.	Year of Establishment.
1	2	3	4	5
1.	St. Mary' College, Shillong	NEHU	17	1937
2.	St. Joseph's College for Women, Waltair	Andhra	16	1958
3.	B.J.S. College, Bhubaneswar	Utkal	25	1957
4.	M.P.C. College, Baripade	-do-	16	1948
5.	Bhadrak College, Bhadrak	-do-	15	1948
6.	V.D. College, Joypur, (Koraput)	Berhampur	15	1947
7.	Govt. Science, College, Phulbani	-do-	16	1960
8.	D.J. College, Baraut	Meerut	21	1947
9.	J.V. Jain College, Saharanpur	-do-	15	1955
10.	M.M. College, Modinagar	-do-	19	1957
11.	Govt. P.G. College, Almora	Kumaun	18	1950
12.	S.S.P. Jain Arts & Commerce College, Dhrangadhra	Saurashtra	17	1964
13.	M.V. Mahila Arts & Sc. College, Rajkot	-do-	17	1963
14.	Kamani Sc. & Prataprai Arts College, Amreli.	-do-	18	1961
15.	M.T.B. Arts College, Surat	South Gujarat	22	1918
16.	Shri Shivaji College, Amravati.	Nagpur	15	1946

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1	2	3	4	5
17.	M.J. College, Jalgaon	Poona	15	1945
18.	V.W. Sabha's Arts & Com. College, Dhulia.	-do-	16	1966
19.	S.S.V.P. Sansthas Arts & Com. College, Dhulia.	-do-	16	1956
20.	A.F. College, Palni	Madurai	15	1963
21.	A.C. College of Arts & Science, Tiruchandur	-do-	16	1965
22.	S.T. College, Palymkottai	-do-	18	1939
23.	S.P. College for Women Courtaelam	-do-	15	1964
24.	Kamraj College, Tuticorin	-do-	17	1966
25.	Scott Christian College, Nagarcoil.	-do-	15	1893
26.	Stella Maris College, Madras.	Madras	23	1947
27.	A.N. College, Barh	Magadh	21	1956
28.	Marwari College, Bhagalpur	Bhagalpur	18	1944
29.	Govt. Arts & Com. College, Indore.	Indore	20	1961

\*SCC\*

Annexure IV to Item No.18

State-wise summary of proposals received under COHSIP and the colleges selected/proposed to be selected.

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Sl. No.	State	Total No. of Colleges	No. of proposals received from		COSIP Colleges selected including 13 colleges which have more than 15 points and whose cases are under consideration	Other Colleges proposed to be selected	Total
			COSIP Coll-eges	Other Coll-eges			
1.	Andhra	182	12	3	3	1	4
2.	Assam and Adj. States	103	4	11	2	1	3
3.	Bihar	201	35	4	3	2	5
4.	Gujarat	199	2	8	2	4	6
5.	Kerala	123	8	7	7	-	7
6.	Maharashtra	348	14	15	11	4	15
7.	Karnatak	242	7	12	2	-	2
8.	Orissa	89	3	9	2	5	7
9.	Panjab	222	2	5	2	-	2
10.	Rajasthan	109	1	-	1	-	1
11.	Tamil Nadu	192	12	18	5	7	12
12.	U.P.	278	18	8	12	4	16
13.	West Bengal	256	4	1	3	-	3
14.	Madhya Pradesh	238	-	5	-	1	1
			92	106	55	29	84

Confidential.

UNIVERSITY GRANTS COMMISSION

(95)

Meeting :

Dated : 14th April, 75.

Item No. 19: To consider the question of proper functioning of private technical institutions in the country and their further development.

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In pursuance of a decision taken at a meeting between Minister for Education, Government of India, the Chairman, UGC and Member (Education) Planning Commission on 11th June, 1964 the Commission had appointed a Committee to examine the conditions of work, admission and standards of education in Private Engineering Colleges which have been opened in Mysore by Private Management without reference to the AICTE. The main recommendations of the Committee are at Annexure-I. The report of this Committee was brought to the notice of the Karnatak, Bangalore and Mysore Universities and the State Govt. of Karnatak (Mysore) by the Ministry of Education (Tech. Division). The views of these universities/State Govt. are summarised at Annexure-II.

The Commission at its meeting held on 3.3.1973 further considered a reference from the Chief Secretary, Udipi Block Congress (Ad-hoc) Committee regarding donation collected by Colleges in the South Kanana Distt. of Karnataka State from the students (Item No. 17 Annexure-III). The Commission could not approve the practice of educational institutions obtaining donations or capitation fee from students for the purpose of admission.

The Commission again at its meeting held on 9th and 10th December, 1974 while considering the demands made in the All India Convention of National Students Union held in Bombay and those made by the All India Students Federation at its Conference held in Cochin, reiterated its earlier decision that capitation fee for purpose of admission in institutions of higher learning was bad in principle and unproductive in practice. It was however, recognised that the institutions will have to raise adequate resources for their efficient functioning and maintenance of students. The Commission further resolved that the following general principles may be observed if institutions decide to raise funds for their maintenance and development.

- (a) Contributions may be accepted from students on a voluntary basis. It will be a good practice not to

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accept any contribution from students at the time of admission.

- (b) Admission to institutions should be strictly on merit and in accordance with the conditions prescribed by the University and the institution concerned.
- (c) Additional resources may be raised in consultation with the University, by a differential fee structure and may be spread over the entire duration of the courses offered by the institution.
- (d) A certain proportion of seats should be reserved for meritorious students who, because of financial difficulties, cannot maintain themselves in such institutions. Such students should be provided exemption from fees and necessary financial support to pursue their courses of studies.
- (e) Contributions raised by the institutions should be used only for maintenance and development of the institutions in consultation with the university concerned.

The question of such institutions receiving general "grant-in-aid" from the State Governments should be further examined.

The AICTE at its meeting held in April, 1972 decided that a special Committee may be appointed to examine the whole question of proper functioning of all private technical institutions in the country and their further development. The Education Minister had accordingly appointed a Committee with Shri M.S. Pathak, Member (Industry), Planning Commission as its Chairman and the Ministers of Education from Maharashtra and Tamil Nadu, among others, as members. This Committee at its meeting held in September, 1974 while considering various aspects of the functioning of private institutions noted that several engineering colleges, particularly those established in Karnataka, were charging heavy capitation fees from students. The Committee was informed that of the seven such colleges which have been functioning for over ten years, three have since accepted the directives of the State grant-in-aid and have discontinued the collection of capitation fees. The remaining four colleges still continue to function on the basis of donation fees. The Committee also noted that according to the accepted policy of the Govt. private institutions have to play a major role in the country. The Govt. did not therefore discourage the establishment of private institutions by mobilising private resources. However, the Govt. was anxious that such institutions as are established by private agencies, do not degenerate into purely commercial enterprises.

In this context, the Committee felt that it is necessary to ascertain whether or not the system of capitation fees was a desirable means for the establishment and maintenance of private educational institutions. The Committee recommended that the UGC may be requested to undertake a review of the existing four engineering colleges in Karnataka which are at present functioning on the basis of capitation fees and to make the views of the Commission available to the Committee for further consideration.

The matter is placed before the Commission for consideration.

E.O(CET)/JS(II)



RECOMMENDATIONS:

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(a) Institutions that have already come into being:

All the Colleges should be granted temporary affiliation year by year by the authorities concerned on the recommendations of an Inspection Committee set up for the purpose. The Inspection Committee shall include at least 2 Experts drawn from Universities outside the States, a Representative of the University and a Representative of the All India Council for Technical Education. The Colleges should be asked to send their applications for starting next higher class at least one year before the institution proposes to commence instructions at this class. The College should be inspected by the Committee Nine months before the new academic session begins to report on the available facilities and deficiencies. The same Committee shall visit the institution again 3 months before the admissions are made to the class to satisfy itself that the institution had made good the deficiencies, that the additional facilities required for the next class have been provided and the institution is in a fit condition to provide instructions of adequate standard. In case the institution is unable to develop such facilities within the prescribed time limits, the University should refuse affiliation for instructions to that particular course and class and make suitable arrangements for the transfer of students concerned to other Engineering Colleges in the State. If the College is unable to provide facilities for a higher class within 2 years, the College should be dis-affiliated and the assets should be taken over by the Governments. It should be made clear that these Colleges shall not be the training grounds for students seeking admissions to the higher classes in other Colleges while they continue to collect capitation fees and higher tuition fees.

The M.S. Ramaiya College of Engineering, Bangalore and P.E.S. College of Engineering, Mandya may be continued to be given temporary affiliation to conduct classes for the first 3 years of the 5-year Integrated course with an annual intake of 120. The 9 students in the pre-final class of Mechanical Engineering in M.S. Ramaiya College of Engineering, Bangalore may be transferred to other colleges. The Colleges may be asked to submit their applications to the University for permission to start 4th year classes in different branches of Engineering from the next academic year.

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In the case of Siddanganga College of Engineering, Tumkur; Jayachamarajendra Engineering College at Mysore, and Rashtriya Vidyalaya College of Engineering, Bangalore, the students who have passed out of the First year course may be transferred to some other institutions and the Colleges may confine to provide instruction for the first year course only. The question of granting affiliation for running higher classes may be considered by the University as and when these institutions develop their instructional facilities within the time limit prescribed. If the R.V. College of Engineering, Bangalore is willing to give up the idea of running a Degree course but would like to provide instruction of the type available in the Industrial Training Institute, it may be helped to do so.

Manipal Engineering College has developed adequate facilities to provide instruction for an intake of 120 students. But the present intake is 240. The institution may be asked to reduce the annual admissions to 120. Any increase in the intake should be granted only after ensuring that the institution had adequate facilities for higher intakes through the Inspection Committee. The alarming feature of this institution, however, is that the Trust has already reserved 50% of the admissions upto the year 1968 by collecting reservation fee from the prospective students. In case this institution is taken into All India Council for Technical Education hold, ways and means have to be found out as to how the students who have already reserved their seats in this College upto the year 1968, could be accommodated.

The question of bringing these Colleges within the purview of the Open-door Policy of the Government of India may be considered provided they are willing to discontinue collection of capitation fee hereafter and the sponsors are prepared to contribute their share of expenditure for the remaining developmental cost of the Colleges.

The Basaveshwara College at Bagalkot, which the Committee could not visit, is understood to have been started only last year making use of the facilities available in the Polytechnic started by B.V.V. Sangha in the year 1959, with the approval of the All India Council for Technical Education. This matter may be examined by the Southern Regional Committee.

(b) General:

In the case of institutions which are likely to be established in future, not only in Mysore State but also in

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Other States as well, the Committee while endorsing the measures recommended by the Government of India, Ministry of Education, in their letter addressed to the Chief Ministers of all States and by the University Grants Commission to all the Vice-Chancellors of Universities having private institutions affiliated to them (Annexure II), recommends that the provisional affiliation should not be granted for 5 years at a time. Instead a University, while granting permission to open a College should grant affiliation class-wise for one year at a time and it should have the opportunity to examine the facilities by sending the Inspection Committee as outlined in the foregoing paras, before granting affiliation to run higher classes. This in the opinion of the Committee will ensure proper standards in the Colleges of this category".

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\*SGC\*

Copy of letter No.F.19-23/64-T.5 dated 22nd May, 1967 from the Assistant Educational Adviser (T), Ministry of Education (Technical Division) (T-5 Section) to the Secretary, University Grants Commission, New Delhi.

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Subject:- Report of the Committee on Private Engineering Colleges - Implementation of the recommendations of -

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I am directed to refer to your letter No.6-10/64(T) Pt-I, dated 19th July, 1966, on the subject noted above and to say that it has not yet been possible to arrange a meeting of the representatives of this Ministry, the three Universities in Mysore and the State Government regarding the implementation of the recommendations of the Committee on private Engineering Colleges. However, a good deal of correspondence has been exchanged with all the agencies and the position obtaining at present is as follows:-

1. Karnataka University:

The University has agreed to all the suggestions made in the Report and would be agreeable to implement the same as far as possible.

2. Bangalore University

The Bangalore University has informed us in August, 1965 that under Section 71 of the Bangalore University Act, the Colleges which were affiliated to the Mysore University remain automatically recognised by the Bangalore University too, but for a period of one year only. On the expiry of the one year period, the Colleges can be admitted to the privileges of the University, only after an Inspection Committee has visited the College and submitted its report to the Academic Council. The recommendations of the Academic Council will then be considered by the Syndicate. It was difficult for the University, therefore, to take immediate action on the recommendations of the Committee appointed by the University Grants Commission and the Ministry of Education until the above procedure was gone through.

p.t.o.

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In June 1966, the University informed us that Academic Council of the University considered the report of the Inspection Committee constituted by the University and decided as follows:-

"The Academic Council having considered the Report of the Inspection Committee for Engineering Colleges affiliated for the purpose recommended that the under mentioned colleges may be admitted to the privileges of the Bangalore University provisionally for a period of 3 years, for such of the courses for which affiliation existed before the date of the commencement of the Bangalore University Act:-

1. R.V. College of Engineering.
2. B.M.S. College of Engineering
3. M.S. Ramaiah College of Engineering

However, while expressing its opinion that the levy of capitation fee and charging tuition and other fees in excess of double the rate of fees charged in the University College of Engineering are academically unsound, the Academic Council recommends to the Syndicate to work out details for the abolition of capitation fee and excess fees at an early date".

3. Mysore University

The Mysore University has accepted the recommendation of the Committee regarding the constitution of Inspection Committee to recommend affiliation. Accordingly, a representative of the AICTE was nominated to serve on the Inspection Committee for recommending affiliation of the private colleges. The University has also agreed to the suggestion to discontinue capitation fee provided the responsibility for expenditure was assumed by some other agency.

4. State Government of Mysore:

The State Government was of the view that the recommendations of the Joint Committee on academic matters were for the Universities concerned to consider. On their part, they were considering the question of extending financial assistance to these colleges under the "Open Door Policy". The then Education Minister during his visit to Bangalore in July, 1966 had also had some discussion with the State Government on the subject. In January, 1967,

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the State Government informed us that a grant-in-aid code for technical institutions has been drawn up by the State Government under which the Private institutions which were admitted to the benefits of the code were given grants. Such institutions can levy fees prescribed under the code which prohibits the collection of any other fee. The private Engineering Colleges which are known to collect capitation fee have yet to subscribe to this code and we were informed in April, 1967 by the State Government that the Director of Technical Education of Mysore was still consulting the concerned colleges in this matter.

It will be noted from the above that some progress has been made in the implementation of the Report of the Joint Committee on private Engineering Colleges. As and when there are further developments in the matter, the University Grants Commission will be informed.

Yours faithfully,

Sd/-

(V.R. Reddy)  
Assistant Educational Adviser (T).

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\*SQC\*

Annexure III to Item No. 19

Copy of note placed before the Commission at its meeting held on 7th March, 1973 vide Item No.17. (104)

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Item No.17: To consider a reference from the Chief Secretary, Udipi Block Congress (Adhoc) Committee, Udipi regarding 'Donation' collected by the Colleges in the South Kanara District of Mysore State from the students.

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The Chief Secretary, Udipi Block Congress (Ad hoc) Committee, Udipi, had, in June, 1972 informed the Commission that most of the colleges functioning in the South District of Mysore State which are under the control and management of the Academy of Central Education, Manipal, are charging a sum of Rs.75/- as 'Donation' every year from each student and that the 'Donation' collected is not shown in the account of the college. A copy of the letter is attached, (Appendix-I).

On a reference to Mysore University for the factual position the University sent a copy of the letter received from the Correspondent M.G.M. College, Udipi (attached as Appendix-II). The University has also stated that this subject does not concern them and that it has not come to the notice of the university either. If payments have been made voluntarily by the students and their parents as donation to the building fund of the Mahatma Gandhi Memorial College, it does not come within the purview of the University.

The University Grants Commission at its meeting held on the 26th April, 1961, considered a reference from the Ministry of Education regarding acceptance of donations as capitation fees from students by universities and colleges for admission to different courses. The Commission disapproved the practice prevailing in some Institutions for acceptance of Capitation fee or donation in some form a prospective student as a condition of admission. The views of the Commission were brought to the notice of the Government of India. The Commission subsequently at its meeting held on the 1st September, 1965 (item No.37) considered the question of donation for

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for admission to professional colleges in Kerala on the basis of a news item appeared in the 'Statesman' dated 11th July, 1965. The Commission noted with regret the policy adopted by the professional colleges in Kerala for charging heavy admission fee to different courses and desired that university be requested to suggest to the colleges to discontinue the practice as soon as possible. The decision of the Commission was brought to the notice of all the universities and institutions deemed to be universities for necessary action.

The matter is placed before the Commission for consideration.

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(106)

A copy of letter dated 22nd June, 1972 received from Shri A. Dayananda Nayak, Chief Secretary, Udipi Block Congress (Ad-hoc) Committee, Shanthekatte, Udipi addressed to the Chairman, University Grants Commission, New Delhi.

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We would like to bring to your kind notice that most of the colleges functioning in the South Kanara District of Mysore State are under the control and management of the Academy of General Education, Manipal, and they are charging a sum of Rs.75/- as 'DONATION' every year from each student. Here we wish to emphasize that a student has to pay a total sum of Rs.375/- as 'DONATION' in addition to the maximum fee prescribed by the authorities before he completes his graduation. The 'DONATION' collected is not shown in the account of the college and the receipt for the donation paid issued not in the name of the college but in the name of some of the institution. Since majority of the students in the district come from the low and middle income family groups, they are finding it extremely difficult to pay the 'DONATION' every year. All our efforts with the management of the Academy to exempt the poor students from the payment of donation have proved futile. In the larger interest of the student community in the district, we request that your good offices should take up the matter with the Academy and see that this so called 'DONATION' collections of which is both illegal and immoral is not collected from the students.

The action taken at your end in this matter may kindly be communicated to us.

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\*SCC\*

Appendix II

Copy of letter No. Tr.72-73/807 dated 24.6.1972  
from the Correspondent, The Mahatma Gandhi  
Memorial College Trust, Udipi, to the Registrar,  
University of Mysore, Mysore-5. (107)

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Ref; Your letter No. AFF/Misc/72-73 dated 15.6.72  
forwarded to me by the Principal.  
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Regarding the contents of the enclosed memorandum  
I have the honour to state as follows:

The Mahatma Gandhi Memorial College Trust created  
by the Academy of General Education for the purpose of  
Managing the Mahatma Gandhi Memorial College issued an  
appeal to all parents of their students and the parents  
have willingly and voluntarily made their contributions  
to the Building Fund of the College. There was no element  
of compulsion whatever and no one has been denied admission  
for his inability to pay the donation.

The Academy of General Education, Manipal have  
given a loan of 4½ lakhs to build the new structures. The  
total amount borrowed hitherto from the Academy runs to  
10.5 lakhs and hence the voluntary contributions of the  
parents are credited to the account of the Academy.

The Management of this College has no desire to  
enter into a controversy with any political party over the  
issue but humbly requests the University to view with  
sympathy the desperate efforts of private managements like  
ours to maintain and improve standards of University like  
teaching and education in an environment of stagnant  
revenue and enhanced costs due to frequent revision of  
salary scales, D.A. and H.R.A. etc.

Thanking you,

Sd/-  
CORRESPONDENT

/COPY/

Sd/-  
REGISTRAR  
University of Mysore  
Mysore  
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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 14th April, 1975

Item No. 20: To consider the general question of financial assistance to universities for celebration of Golden Jubilee during the Fifth Plan Period and the proposal of Andhra University for a grant for its Golden Jubilee in 1976.

.....

The Andhra University which was established in 1926 will be celebrating its Golden Jubilee during the academic year 1975-76. In this connection the University has requested for a sanction of a grant of Rs.50 lakhs as a special case outside the Fifth Plan allocation to enable it to develop new branches of Sciences, Technology and Humanities and Social Sciences. A copy of the letter of the Vice-Chancellor received in March, 1975 is reproduced below:-

\*I am happy to say that the Andhra University will be completing by 26.4.1976 fifty years of its existance, and it is proposed to celebrate the "Golden Jubilee" of the University during the next academic year (i.e. 1975-76). The Commission is already aware of the progress made by the Andhra University during the last 50 years in serving the cause of higher education and also its activities in the development of Research. It has produced during the last fifty years several great men of letters, Scholars and Scientists who have occupied very eminent positions in the country and abroad. The Syndicate has decided to Celebrate the Golden Jubilee function in a fitting manner and the Celebrations are tentatively fixed to commence from 26.4.1975 and by 26.4.1976.

I have discussed this proposal with Dr. S. Gopal, Convenor of the UGC Visiting Committee and with other Members of the Committee during their recent visit to Waltair in January, 1975 and requested them to recommend to the Commission substantial assistance to the University for the purpose. As you are aware that it would be very difficult for the University to meet the expenditure from its funds in view of its meagre resources. I request you to kindly place the proposal before the Commission for sanctioning a grant of Rs.50 lakhs to this University as a special case outside the Vth Plan allocation (on the analogy of the Centenary grant of Rs.one crore that is usually sanctioned by the Commission to the Universities) to enable us to

P.T.O.

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develop in the University new branches of Sciences, Technology and "umanities and Social Science".

It may be indicated that the University has not provided any details of the projects that will be undertaken with UGC's assistance as part of its Golden Jubilee Celebrations.

The Commission has been providing special grants to universities and institutions deemed to be universities on the occasion of their Golden Jubilee Celebrations and such grants are normally to be utilised by universities for projects of a permanent nature in consultation with the University Grants Commission. The Universities concerned have been assisted over and above allocations made to them for their normal development during successive Five Year Plans.

The Commission provided special grants to the following universities/institutions deemed to be universities on the occasion of their Golden Jubilee Celebrations in the previous years:-

1.	Aligarh Muslim University	Rs.10 lakhs
2.	Banaras Hindu University	Rs.10 lakhs
3.	Delhi University	Rs.10 lakhs
4.	Gujarat Vidyapith	Rs.7.50 lakhs
5.	Jamia Millia Islamia	Rs.7.50 lakhs
6.	Kashi Vidyapith	Rs.7.50 lakhs
7.	Lucknow University	Rs.10 lakhs
8.	Mysore University	Rs.10 lakhs
9.	Osmania University	Rs.10 lakhs
10.	Patna University	Rs.10 lakhs
11.	S.N.D.T. Women's University	Rs.7.50 lakhs

The matter is placed before the Commission for its consideration.

E.O.(C.P.)

CONFIDENTIAL

(40)

UNIVERSITY GRANTS COMMISSION

Meeting :

Dated : ~~24.10.1975~~ 11, 1975

Item No. 21: To consider a proposal of the Panjab University for organising a summer institute in Analytical Chemistry during 1975.

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The Department of Chemistry, Panjab University, Chandigarh, organised a short-term course in Analytical Chemistry in December, 1974 and January 1975 with the provision of seven specialists/engineers from Hungary under the Indo-Hungarian Cultural Exchange Programme. The programme included the provision of a number of scientific equipment procured from Hungary for organisation of the Analytical Course. The short-term course was attended by about 40 Indian teachers selected on an All-India basis and the Faculty consisted of teachers not only from the Department but also the visiting specialists/engineers from Hungary. The short-term course is reported to have proved to be of value to the participating teachers.

The equipment procured for the organisation of the short-term course in Analytical Chemistry at Chandigarh was provided by the Commission with the idea that this equipment should be available for the subsequent short-term courses to be organised in Analytical Chemistry for the benefit of larger number of teachers in the discipline.

The Panjab University has proposed to organise another short-term course in Analytical Chemistry with the provision of equipment already available during the coming summer vacation to cover a second batch of teachers in this field of specialisation. The Panjab University has proposed that the Faculty this time would consist of teachers of the department without the involvement of any specialist from Hungary or from other parts of the country. The Panjab University has intimated that it may be possible for the Hungarian Trade Commission to provide one or two engineers who are already in India to help them in the maintenance of the instruments already supplied by them during the course. The University has proposed that the duration of this course may be about 3-4 weeks.

The Commission normally provides funds to approved short-term courses as per UGC norms towards TA/DA of the participants with the admissible contingent grant.

The proposal of the Panjab University for the organisation of the short-term course in Analytical Chemistry for 3-4 weeks with about 40 participants is placed before the Commission for consideration.

J.S.(II)

Confidential.

UNIVERSITY GRANTS COMMISSION

(111)

Meeting:

Dated : 14th April, 75.

Item No. 22: To consider the proposal of the Kashmir University for grant of Rs. 1.89 lakh for meeting the salaries and other recurring expenditure for the financial year 1974-75 in respect of Gulmarg Research Observatory.

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The Gulmarg Research Observatory was started functioning in 1951 as a joint venture of the Aligarh Muslim University and erstwhile Jammu & Kashmir University with a view to (a) Carrying out research programme in physics and biological sciences connected with high altitude (b) providing training to young scientists in high altitude research leading to the Ph.D. (c) helping in teaching of postgraduate classes in the department of Physics and in the departments of other government colleges in Srinagar and (d) providing basic facilities and other institutions. The Observatory was formally inaugurated in 1954.

Funds for the establishment and maintenance of the Observatory were provided by the physics departments of the two universities. In addition, an aid of ₹.78,000/- was also provided for the purchase of major items of scientific equipment under the India Wheat Loan Education Exchange Programme. The first visiting committee of the UGC headed by Professor S.K. Mitra also recommended a grant of Rs. 3,07,000/- under recurring and non-recurring heads in 1956-57. The grant was further enhanced in the year 1958-59, on the recommendations of another UGC Visiting Committee headed by Professor S. Bhagvantam.

The Observatory ran into certain difficulties when the Aligarh Muslim University decided to withdraw the support and recommended its closure. But in 1962, the erstwhile University of Jammu & Kashmir decided to support the Observatory even though the support from the Aligarh Muslim University was withdrawn. The Managing Committee of the Observatory decided in 1964 that the University of Jammu and Kashmir should assume direct responsibility for the administration of the Observatory and the scientific staff of the Observatory should assist in the development of the physics department of the University of Jammu and Kashmir specially during summer months.

/to interested research workers in various universities

contd..

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The third visiting committee of the UGC with Professor B.D. Nagchaudhari as its Chairman, examined in 1964 the development of the Gulmarg Research Observatory keeping in view the Laboratory established by the Department of Atomic Energy in Gulmarg. The committee felt that the work of the two laboratories would not involve any undue duplication and that the Gulmarg Research Observatory under the University of Kashmir had tremendous potentialities for developing new lines of investigation like high altitude research in biology, physiology, meteorology etc., besides physics. The Committee recommended that a Scientific Advisory Committee may be set up with representatives of other universities and a few experts from outside for advising on the lines of work for Laboratory, indicating the new fields for investigations and suggesting ways for collaboration with other universities and enlisting their cooperation.

The Commission supported the Gulmarg Research Observatory on 100% basis on the recommendations of the Expert Committee appointed by the Commission from time to time for the purpose.

The strength of the staff, teaching and non-teaching, as sanctioned by the Commission on the recommendations of the Visiting Committees till the end of the Fourth Plan is as follows:

(a) Teaching & Administrative Staff:

i)	Professor (Rs. 1100-1600)	One
ii)	Reader (Rs. 700-1250)	One (Vacant)
iii)	Scientific Officer (Rs. 400-950)	Three (One vacant)
iv)	Lecturer (Rs. 400-950)	One (Vacant)

(b) Other Staff.

1.	Ministry (Rs. 280-520)	One
2.	Head Asstt. Cum-Accountant (Rs. 280-520)	One
3.	Lab. Asstt-cum-Store Keeper (Rs. 220-430).	One
4.	Mechanic (Rs. 300-580)	One
5.	Electrician (Rs. 280-520)	One
6.	Driver (Rs. 220-430)	One
7.	Orderly (Rs. 170-230)	One
8.	Lab. Attendants (Rs. 170-230)	Three
9.	Sweeper. (Rs. 170-230)	One.

In addition to the above, the Fourth Plan Visiting

contd...

Committee recommended the following grants for the Gulmarg Research Observatory for the Fourth Plan period:

1.	Consumable Stores	Rs. 15,000/-	p.a.
2.	Special Hill Allowance.	Rs. 5,000/-	"
3.	Water & Electricity.	Rs. 5,000/-	"
4.	Library Books & Journals.	Rs. 5,000/-	"
5.	Maintenance of Jeep.	Rs. 2,500/-	"
6.	Workshop expenses.	Rs. 1,000/-	"
7.	Visiting Scientists	Rs. 2,500/-	"
8.	Scientific Equipment.	Rs. 1,20,000/-	"
9.	Building etc.	Rs. 1,00,000/-	"
10.	Jeep Station Wagon.	Rs. 25,000/-	"
11.	Books & Journals.	Rs. 25,000/-	"

The above grants were sanctioned to the University subject to the condition that the Commission's assistance for the purpose was upto the Fourth Plan period (1973-74) and thereafter the university/State Government would have to meet the recurring expenditure of the Gulmarg Research Observatory.

A committee was appointed under the Chairmanship of Dr. A.R. Verma, which visited the university on 10-12th May, 71. This committee made recommendations regarding the organizational and administrative set up as well as evolving suitable scientific programmes both of short-term as well as of long term nature. The summary of recommendations may be seen in Annexure-I.

Subsequently a committee under the Chairmanship of Dr. R. Ramana, Director, Bhabha Atomic Research Centre visited the Gulmarg Research Observatory from 14-16th September, 1972. The Committee mainly examined the question of development of suitable scientific programmes, both teaching and research, which could be initiated at the Observatory. The Committee accordingly suggested development of studies in environmental sciences and taking up of research programmes related to these training programmes and of their relevance to the high altitude. It was suggested that the studies in environmental sciences could be developed at the Master's degree level leading to a two-year M.Sc. degree. The courses could emphasise areas of (a) physical sciences and (b) biological sciences. The syllabus for each of the courses was also suggested by the Committee. A copy of the brief note prepared on the basis of the visit of the committee is enclosed Annexure-II.

The recommendations of the committee were communicated to the Kashmir University for their comments. From an enclosure to a letter dated 26.12.1974 from the Governor of Jammu and Kashmir addressed to the Education Minister it transpires that the recommendations of the committee were



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to be examined by a select committee appointed by the University and its recommendations would be placed before the academic and executive authorities of the universities. The comments of the university in this regard have not been received so far. A copy of the letter dated the 21st December, 1974 from the Governor, Jammu and Kashmir to the Union Minister for Education and Social Welfare alongwith a note (which was placed before the Special Meeting of the Syndicate) received from the Ministry of Education & Social Welfare is enclosed as Annexure-III. According to him, such re-thinking about the future of the Centre has been necessitated due to the maintenance of the Observatory consequent upon stoppage of assistance from the Commission with effect from 1.4.1974. However, in the face of different views expressed by various people regarding the future of the Observatory, the Governor desired that the question may be examined not from a narrow financial angle regarding its maintenance but from the wider angle of considering its utility and scope and putting its potential to the best possible use from the national point of view. He felt that this objective could be attained if the Jawahar Lal Nehru University took over the observatory rather than Kashmir University taking it over. The Ministry was informed that the matter regarding assistance to Gulmarg Research Observatory was discussed in detail by the Fifth Plan Visiting Committee appointed by the Commission to assess the needs of the University. The Report of the Committee is being placed before the Commission separately and the decision taken by the Commission in this regard will be intimated to the Ministry/University. The University of Kashmir was also requested to let the Commission know the decision taken by the Syndicate on the note.

The Report of the UGC Visiting Committee which assessed the needs of the Kashmir University (Gulmarg Research Observatory) is yet to be considered by the Commission. However, the observations and recommendations made by the Committee may be seen at Annexure-IV.

The Kashmir University has now requested the Commission to provide a grant of Rs. 1.89 lakh (Rs. 1.34 lakh as salaries and Rs. 0.55 lakh for other recurring items of committed nature for meeting the salaries of staff and other recurring expenditure in respect of the Gulmarg Research Observatory at least for the financial year 1974-75 as the University has no resources of its own to feed the Observatory.

A copy of the letter received from the Kashmir University in the matter is also enclosed as Annexure-V.

The matter is placed before the Commission for consideration.

A.S.(D-2(A))/DS(D-2)

Extract from the report of the committee appointed by the Commission which visited Kashmir University during 1971. (115)

The first important issue relates to the status of this High Altitude Observatory in relation to the University of Kashmir. The State Government should take immediate steps to transfer to the University of Kashmir the land and the buildings constituting the present Gulmarg High Altitude Laboratory. The total area required for the laboratory would be about 4 to 5 acres with the present laboratory as the central set up. Such a clear title and position of the Laboratory with the University of Kashmir would allow the proper maintenance of the existing laboratories, additions and expansion proposed with the help of the grants available from the University Grants Commission. The Committee is of the view that such a transfer should be effected soon. However, the Committee was informed that the Central Government had plans for developing Gulmarg as a tourist centre and consequently all developments had to be cleared by the architects appointed by the Central Government. The Committee requested the Chief Minister and the Chancellor of the University to take up this matter at the higher level to obtain the clearance for the development of Gulmarg High Altitude Observatory without reference to the other developments on a priority basis. This would help the speedy implementation of the programme of improvement of the existing laboratory and construction of additional laboratories required for the work. With one of the laboratories recently gutted by fire, the laboratory accommodation has been very inadequate. The State Government should arrange to provide one or two hutments early for use of the laboratories, until such time new laboratories could be added by the University.

(2) The Act of the University of Kashmir may be suitably amended to incorporate the High Altitude Laboratory at Gulmarg as an independent department, either as a department of High Altitude Studies or Department of Environmental Sciences, so that the department would function as an integral teaching and research department of the university and inter-act with other departments in the various faculties of the university. The present staff of the department should then be absorbed as staff of the university and be designated in the nominal positions prevailing in the university departments.

(3) The State Government and the University of Kashmir should take note of the fact that Gulmarg Laboratory and its environments are an unique possession of the University of Kashmir which enables it to undertake scientific studies at the high altitude which other universities in the country cannot initiate despite their resources. As expressed by Professor A.N. Compton, Nobel Laureate as early as in 1954, "the location of the high altitude laboratory is of special significance to India's programme of scientific development. The height of 9000 ft. of the laboratory compares

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favourably with other High Altitude Laboratories of the world and provides the best situation for work at higher altitudes upto 11,000 ft. at Killan Marg and upto 14,000 ft. at Apharwat. The latitude and longitude of Gulmarg are of special significance. The typical fields of high altitude research that could be undertaken relate to (a) Cosmic Ray Study (b) Solar Radiation Studies especially in the Ultraviolet (c) Physiologically studies of the effects of low oxygen density of practical importance connected with life in the higher altitudes of Kashmir, Ladakh and Tibet. Each of these fields offers a distinctive opportunity for contributions by Indian scientists. Because of the distinctive geographical setting, experimental work of importance can be performed without the elaborate and expensive equipment that is necessary to compete favourably in most other fields of scientific research." Professor Crompton concluded that this observatory could afford an important opportunity for development of Indian experimental science at high altitude. A similar opinion was subsequently expressed by Professor JBS Waldans, who visited the Gulmarg Laboratory in 1959.

The Committee fully endorses the above views and strongly urges the University of Kashmir and the State Government to encourage the development of Gulmarg Laboratory into an inter-disciplinary set up to provide for high altitude studies in physical and biological sciences. It would subsequently lead to an understanding of the Environment at this altitude, and to initiate suitable programmes of teaching and research in these areas and encourage inter-action with other departments in different faculties of the university. Programmes of this type could be only developed by institutions like University of Kashmir and accordingly its academic programmes need not necessarily be on the same lines followed by other universities in the country.

(4) With the proper development of this Laboratory as a teaching cum research department, the facilities available could then be utilised by other universities of the country interested in Environmental Sciences in high altitude. The Laboratory could be developed on the pattern of the Trieste Centre for Theoretical Physics and Marine Biological Laboratory at Naples where other Indian Universities could maintain work tables and use of facilities on payment of nominal annual subscription. The programmes to be undertaken by these universities may or may not have a close relationship with the programmes of work undertaken by the staff of the Department of High Altitude Studies.

The Committee therefore strongly suggests that consequent upon determining the status of this Observatory within the university of Kashmir and giving a clear title of the land and laboratory of the University, the University may appoint

a representative Scientific Committee which would help to draw up suitable programmes of scientific activities, both teaching and research, which could be undertaken by the Department of High Altitude Studies over the next five years. This programme and its successful implementation would help in evolving long range scientific activities for future years and cooperation with various universities in the country. The appointment of such a committee and drawing up of scientific programmes is crucial to the very existence of this laboratory and should, therefore, be taken up without any delay. The programmes should represent the multi-disciplinary character of the studies to be initiated and should be effectively implemented with the help of well qualified staff. The Committee would like to stress here that the appointment of a Director or Head of the Laboratory with broad interests in high altitude studies who can provide effective leadership is of fundamental importance to the functioning of this laboratory.

The State Government and the University Grants Commission should provide necessary assistance for the establishment required to support such multi-disciplinary activities at this laboratory, and utilised it both as a university facility and also a national facility of an unique nature.

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Brief note prepared on the basis of the visit of the Expert Committee to Kashmir (Gulmarg Research Observatory) University during 1972 to examine development of suitable programmes.

The University of Kashmir have recently recognised and issued a notification to declare the Gulmarg Research Observatory as one of the constituent units in its Faculty of Science. As suggested by the earlier Expert Committee, the present Committee has mainly examined the question of development of suitable scientific programmes both teaching and research which could be initiated at Gulmarg Research Observatory. The main emphasis is to promote high altitude studies both in the areas of Physical Sciences and in Biological Science in view of the special and rather unique nature of the location of the Gulmarg Laboratory. It is suggested that the Gulmarg Laboratory may develop studies in environmental sciences and take up research programmes related to these training programmes and of relevance to the high altitude. The studies in environmental sciences could be developed at the Master's degree level leading to a two-year M.Sc. degree. The courses may emphasise areas of (a) physical sciences and (b) biological sciences. The suggested syllabus for each of these programmes is given below:-

PHYSICAL SCIENCES:

The observatory staff in the last four years have been engaged in the study of Atmospheric Physics, particularly the Atmospheric Electricity. The observatory has developed basic facilities partially with the active support of India Meteorological Department for studies in Meteorology in general. Though the observatory has its own programme of research (the details of which have already been furnished to the Expert's Committee of the University Grants Commission which visited the observatory in 1972). The courses can be developed through collaboration with other universities and institutes in conducting the following studies:-

- (i) The study of cloud Physics in collaboration with Indian Institute of Tropical Meteorology, Poona;
- (ii) Studies in upper atmosphere, Night Air Glow in collaboration with the J.K. Institute of Applied Physics & Technology, University of Allahabad, Allahabad, who have agreed to instal their equipment at the observatory for joint programmes;
- (iii) Studies in Atmospheric Electricity and Cloud Physics, in collaboration with the Environmental Physics group, Department of Physics, University of Roorkee, Roorkee.
- (iv) India Meteorological Department have agreed to offer us on loan one 10 cm. Radar for studies in weather. This instrument shall also be useful to the students.

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Considering the advances made by the Atmospheric sciences in the last 25 years or so and the ever increasing role these are bound to play in future and keeping in view the facilities available at the observatory, course will be based primarily on Meteorology. The course may be named as "Environmental Physics" to keep its scope broad based. After having discussions with various experts and groups working in the country we feel convinced that such a course would not only be well received but is actually the need of the hour. The following excerpts from an editorial which appeared in Jan-March, 1972 issue of Vayu Mandal on 'Meteorological Education & Training' are noteworthy.

"A great deal of involvement in Meteorology on the part of the majority of our universities and higher technical institutions is a positive necessity."

"On the national scale, the need for qualified meteorologists is already substantial and requirement is bound to grow very substantially later on during this decade."

"It seems likely that in the years to come, the degree of application of the environmental sciences to economic and social fields would become a yard-stick for measuring the state of a country's development".

"It would therefore seem that meteorology has, willy-nilly, got to expand, for meeting the increase demands imposed by our expanding activities. The question which is going to be decisive in this matter is whether the country will have sufficient men with the necessary expertise for carrying out the tasks that lie ahead.....Investment made now in this direction would start paying dividends during the Fifth and subsequent plan."

To our knowledge the following institutions are taking interest in the study of some of aspects of atmosphere.

- (i) India Meteorological Department, New Delhi.
- (ii) Indian Institute of Tropical Meteorology, Poona for research studies in pure and applied meteorology.
- (iii) Institute of Radio Physics, University of Calcutta for studies in ionosphere.
- (iv) Physical Research Laboratory, Ahmedabad.
- (v) Division of Radio Physics & Aeronomy, National Physical Laboratory, New Delhi for studies on ionosphere.
- (vi) Andhra University, Waltair, offer M.Sc. in Meteorology

- (vii) Banaras Hindu University, Banaras gives training in Meteorology as part of their course in Geophysics.
- (viii) Environmental Physics Group, Department of Physics, University of Roorkee; The university also offer a course on Hydrometeorology.
- (ix) Gulmarg Research Observatory, Gulmarg.
- (x) Wealth Physics Division, Bhaba Atomic Research Centre for environmental radioactivity.
- (xi) Aeronautical Engineering Department of the Indian Institute of Science, Bangalore has set up a unit of meteorology.

Recently the National Commission for Agriculture in its first interim report has also recommended institution of Faculties of Agricultural Meteorology in Agricultural Universities in the country.

This shows that the work on Atmospheric sciences is being done on a very very limited scale but there has been considerable increase in recent years in the awareness of the need of education in Environmental sciences. This is also clearly borne out in a paper presented by Dr. P. Koteswaram, Director General of Observatories, on December 27, 1972, on '25 years of Atmospheric Sciences in India' before the Geophysical Research Board.

We have been given to understand that the Government of India would be requiring additional at least 120 trained meteorologists per year on the average for research and maintenance of services during the Fifth Plan period and the present turnout is hardly around 20. Obviously there would be a great scope in terms of employment potential for the students who shall be trained under our proposed programme in 'Environmental Physics'.

With the kind of training programme envisaged we can expect students coming from other countries like Afganistan, Thailand, Malaya, Nepal etc. The following excerpts from a technical Note No. 132. T.P. 59 (1963) regarding the training of the meteorologists would be in order.

"In view of the advances being made in Meteorology and of the standard and diversity of the many services it must render to civilisation, there is, today no meteorological service worthy of name that can afford to do without university graduates."

"In the less developed countries already possessing a university equipped with a science faculty, the training

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of Class I meteorologists will be best assured by close and fruitful collaboration between the national university and the national meteorological service. Such collaboration is, we believe, essential. It is, in fact, practically impossible to teach synoptic meteorology and dynamic meteorology without having a surface and upper air synoptic station (sounding station), as well as weather bureau. Similarly, to teach meteorology one must have access to a station measuring radiation, ozone, atmospheric pollution, etc. as well as a meteorological instrument laboratory."

"There remains one last remark, which is not solely addressed to the less developed countries. Through UNESCO and the government of member countries of that organisation, WHO should draw the attention of those universities, where meteorology is not yet a subject for through study, to the serious gap they create in their curriculum of courses by omitting this science. In this connection, WHO should remind them not only of the extreme social and economic importance of meteorology but, above all, of its scientific importance both as observational science (having its own methods and employing the very latest electronic techniques) and as an experimental science (employing the most up-to-date electronic computers to solve not only research problems but also those of everyday routine). This serious gap in the curriculum of courses offered by a good number of universities may be filled in two ways."

Regarding the second observations made above, this observatory fulfils the most important prerequisites laid down above. These are pointed out in the following:-

1. The observatory is already running a class I meteorological station on its premises in collaboration with the India Meteorological Department.
2. A principle radiation station, the only of its kind in J & K, Himachal Pradesh, Punjab and Haryana, shall be set up and commissioned at the observatory this year with the help of the I.M.D.
3. The observatory is also taking steps to start monitoring of ozone on continuous basis in addition to many other meteorological and electric parameters already being recorded.
4. A radio-sonde station for the study of upper air meteorological elements is already functioning in Srinagar under the I.M.D.
5. A regional forecasting station is also expected to be set up by the I.M.D. in a year or two at Srinagar.

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6. Discussions with the Director General, I.M.D. and the Director, Indian Institute of Tropical Meteorology, Poona, two major national institutes engaged in the study of the atmosphere show that their active support for teaching and practical work would be forthcoming.

Considering various factors for smooth operation and implementation of the whole programme it would be highly desirable to have a base department of the observatory situated in the university campus, Srinagar. The teaching in the first year will be done mainly at Srinagar and during the second and final year students will be required to stay at the observatory for 8-10 weeks for intensive field training and writing project reports on specialised subjects of their choice.

The following is the proposed syllabus for a degree leading to M.Sc. (Environmental Physics). The syllabus is job-oriented in which special emphasis will be placed on applications in environmental while treating the fundamentals.

In proposing the outline of the syllabus we have kept in view model syllabus suggested by Professor J. Van Mieghem in his above referred Technical note No.56(1963) on "the problem of the professional training of meteorological persons of all grades in the less developed countries" submitted to the world Meteorological Organisation. We have also kept in view the discussion that we had with the Experts of India Meteorological Department, scientists working in various universities. Further we have also to keep in mind the courses of Reading for B.Sc. (Physics) (Chemistry) & (Mathematics) prescribed by the University of Kashmir at present to determine the type of students likely to be admitted to our programme of teaching. It is expected that the minimum qualifications for admission to the proposed course would be B.Sc. with Physics and Mathematics as compulsory subjects and any one of the following subjects: Chemistry, Geophysics, Astronomy, Meteorology.

DRAFT SYLLABUS FOR 2-YEAR M.SC. COURSE IN  
ENVIRONMENTAL SCIENCES - BIOLOGICAL GROUP

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Besides what is given in the following pages, Introductory Courses are to be given in the following subjects depending upon the specific requirements of the candidates:

- (i) Botany, (ii) Zoology (iii) Geology and (iv) Geography.

Also each candidate will be required to do a special course in a narrow field of specialisation depending upon individual aptitude and availability of specialists: as for e.g. Physiological Ecology of Plants, Physiological Ecology of Animals, Pollution, Ecosystem (specific type, terrestrial, freshwater or marine) analysis, Population Ecology, Soil Microbiology, Resource Studies, etc. The special course will be covered through lectures and practical work and also a PROJECT STUDY.

Practical work for all the other courses will be related to and based on the theory course and will be of the nature of Laboratory Exercises, field studies individually or in groups.

The entire course work including the Special Course and Project Study could be suitably adjusted in 4 Semesters.

CORE PAPERS

I. STATISTICS & BIOMETRICS: (half paper)

Populations and sampling, Probability and significance; Distribution - normal, binomial and poisson series; Mean and standard deviation; Standard Error; tests of significance; Chi-square and Contingency tables; Analysis of variance; Interactions; Correlation and Regression; Experimental designs; presentation of data, transformations; Computer techniques.

II. GEOMORPHOLOGY: (half Paper)

1. Geological aspects of continents, relief features, geomorphic cycles.
2. Lithosphere.
3. Underground water.

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4. Rivers and streams, lakes and swamps.
5. Glaciation and glacial topography.
6. Waves and currents.
7. Shore forms and shore processes of seas and lakes.
8. Wind.
9. Plains and plateaus; Islands and coral reefs.
10. Mountain formations of various types.
11. Volcanism and volcanoes.

III. SOIL SCIENCE:

1. Weathering of rocks and soil development under different climatic and topographic situations.
2. Mineralogical composition of soil.
3. Microbial population - types and their physiology and ecology.
4. Soil fauna, their ecology.
5. Association between plants and microorganisms.
6. Organic matter decomposition.
7. Nitrogen economy of soils; Soil nutrients and nutritional ecology.
8. Soil atmosphere.
9. Soil temperature
10. Soil water dynamics; practical control of soil moisture.
11. Soil structure and tilth.
12. Salinity, alkalinity, their reclamation.
13. Principles of soil management and fertility control; fertilizer management.
14. Soil pollution problems.

IV. MICRO-METEOROLOGY:

1. Atmosphere at rest, constitution and physical properties.
2. Atmosphere in motion.
3. Heat transfer and problems of diffusion.
4. Radiation.
5. Temperature in the lower layers of atmosphere.
6. Wind structure near surface.
7. Diffusion and evaporation.
8. Tropical rain formation, tropical storms.
9. Problems of modern meteorology - weather modification and its implications, data acquisition and assimilation, water supply and air pollution.

V. ECOLOGY - COMMUNITY ORGANIZATION AND POPULATION ECOLOGY:

Structure, organization and development of a community-successional patterns and climax, ecotones; A comparative consideration of terrestrial and fresh water biomes; Principles of limnology-lotic and lentic environments and the dynamics of the two; a general consideration of the marine biome; cooperation and disoperation, food and feeding relationships, reproduction and population, population structure, irruptions, catastrophes, cycles, niche segregation; Animal aggregations - organization of an insect society; single species populations - growth rate, population growth, density relationships population interaction - competition, cohabitation, allelopathy; Community classification - Braun Blanquets system of rating; Casual factors of positive and negative associations between species, detection of natural groupings, correlation methods, hierarchial systems, pattern analysis.

VI. ECOLOGY - ABIOTIC ENVIRONEMNT & ECOLOGICAL GENETICS:

Ecological factors and factorial interaction; Rainfall patterns and plant distribution; Soil, light, temperature and fire as ecological factors - a detailed

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consideration. A general consideration of fresh and marine waters as a substratum for plant and animal growth. A general consideration of physiological ecology of plants and animals. A general consideration of ecological genetics and population dynamics. Adaptation of species and populations - plasticity and genecological concepts. Pollution ecology. Principles of radiation ecology.

#### VII. ECOSYSTEM ANALYSIS:

Structure and principal components; food chains, food webs; Energy flow; Bio-geochemical cycles, productivity; Terrestrial, Freshwater and Marine ecosystem analysis; Man-made ecosystems, agriculture, forestry, etc. Transfer of insecticides, pesticides, etc. in the ecosystem. Ecosystem balance and accounting. Primary production and secondary production in animal communities. Computer programming and Computer application.

#### VIII. BIOGEOGRAPHY:

Methods of age determination; Palaeo-ecology, a general consideration of the evolution of the biome; Foristic provinces and regions, Wulff's discontinuous areas and Good's provinces; Major Biomes of the world; Factors and elements of climate; Life form spectra, climatic zones and climate trends, altitudinal effects; Distribution of animals in geographic, abthymetric and geological reals; Zoogeographical regions; Transhemispheric movements; Criteria of distribution - extension and endemism; Continuity and areal dynamics; Origin and degrees of establishment; Biotic rhythms, migration, barriers.

#### IX. CONSERVATION OF RESOURCES:

1. Economics and conservation.
2. Soils - great soil groups, their utilization.
3. Soil conservation, principles and practices.
4. Water, for domestic and industrial use, water ways and their utilization, floods and flood control.
5. Irrigation and drainage, water conservation and erosion control, Hydro power and other uses.
6. Minerals, mineral fuels and their conservation.
7. Fuel and energy - oil chemicals, coal mining, classification, Coal conservation, fuel utilization, conservation by substitution; Corrosion control.

8. Wild-life conservation.
9. Fisheries.
10. Conservation of recreational resources.
11. Conservation of man.
12. Application of ecological principles in conservation.

X. ENVIRONMENTAL MANAGEMENT:

1. Our landscape and the changing society.
  2. Urbanization in the world.
  3. Changes in farming practices.
  4. Urban and rural settlements.
  5. Disturbed landscape of industry.
  6. Land use classification, forest, grassland, wildlife and water.
  7. Land use practises - rural and urban; Importance of open space in urban pattern.
  8. Planning and future landscape.
  9. Man-made and protected wild-life.
  10. Adaptation in man, his limitations and potentialities.
  11. Land and human welfare.
  12. Technological aspects of environmental management.
  13. Weather modification and its implications.
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## OPTICAL PAPERS

### I. LIMNOLOGY:

1. Water as an environment - Density, Viscosity, Surface tension, Incident solar radiation, Water movements.
2. Dissolved substances and their transportations - CO<sub>2</sub> cycle, dissolved oxygen, elemental nitrogen and methane; Iron and manganese; Nitrogen and phosphorus; other minerals, organic matter; Law of minimum.
3. Biotic communities - planktonic life, floatation in water; composition of plankton, spatial and temporal distribution; Bacteria, problems of production; Non-planktonic organisms, higher aquatic plants and animals.
4. Origin of lakes; redox potential of the sediments; stratified sediments; exchange between sediments and free water.
5. Bog Ecology.
6. Ecology of running waters.
7. Dynamics of Littoral community.
8. Ecological systems and energy transfer.
9. Interaction between biota and physico-chemical marine environment.

### II. ENVIRONMENTAL ASPECTS OF FORESTRY:

Forestry and man; forest resources, trends and prospects; Forest conservancy; Silviculture practises, reproduction methods, thinning and pruning with particular reference to India; tolerance, differentiation and development of stands; Forest mensuration, economics, management, protection, utilisation and industries; Principles of forest Entomology - scope, biologic and taxonomic evaluation, population phenomena and population analysis, control measures. A general understanding of forest environment; Forest vegetational units and classification; Origin and development of forest communities.

III. HUMAN ECOLOGY

1. Numbers of people - factors governing and history of population growth, migration and present day distribution.
2. Population structure and projection.
3. Rural and urban settlement, alteration of natural vegetation.
4. Man's adaptation to climate, water and soil.
5. Man's use of earth - fishing, hunting, etc. agriculture and Livestock.
6. Limits of the earth.
7. Environmental threats to man.
8. Optimum population and human biology.
9. Birth control, family planning and population control.
10. Socio-economic changes and their impact.
11. Religion, social attitudes, human behaviour including mental health, education, legal, system, business and industry.
12. Environmental and health, community health - present and future problems. Air, water, animals food, insects and human as carriers of disease, Waste disposal, Radiation hazards.
13. Food resources and production.
14. International scene - development and environment; environmental quality and geoaesthetics; Man and industrial society.

IV. RESOURCE MANAGEMENT

1. Theory of resource management - principles of ecology, population community, energetics, community organisation and stabilisation.
2. Management theories derived from ecology - maximization of production, pest control, land management policies.



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3. Impact of environment and man on population.
4. Ecological process in resource management  
predation, biological wave phenomena, epidemic  
and epizootic wavees etc.
5. Surveying aerial photointerpretation,  
monitoring, remote sensing.
6. Principles of system analysis, modelling,  
computer science & simulation.
7. Food resource management from land and the sea.
8. Mineral resource management from land and the sea.
9. Energy resources management.

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M.Sc. (Previous) Environmental Physics

There shall be four papers in theory and two in practicals. Each theory paper shall be based on 90 - 100 lecture hours.

Paper 1                      Mathematical Methods

- (i) Vector Analysis, 20, (iii) Change of variable, Fourier Series, Integrals and transforms, 13. (iii) Ordinary differential equations, Bessel functions, Legendre functions, numerical methods, 15. (iv) Partial differential equations - simple solution of Laplace's and Poisson's equation with special applications to atmosphere and heat conduction etc. 20.
- (v) Elements of complex variable and special functions, 14.
- (vi) Statistics; theory of error; frequency distributions; least squares and chi-square tests, correlation and regression coefficients, curve fittings, interpolation and extrapolations, 25. (viii) Hydrodynamics, 15.

Paper II                      Classical Physics - Part 1

- (a) Classical Mechanics, 30
- (b) Classical statistical mechanics, thermodynamics and radiation, 40 - 45.
- (c) Relativity, 30.

Paper III                      Classical Physics - Part II

- (a) Electrostatics, 20.
- (b) Magnetostatics, current Electricity, 20.
- (c) Electromagnetic waves, their propagation etc. 10
- (d) Atomic spectra, Bohr's theory, Sommerfeld modification, Zeeman effect, Stark effect; etc. etc. 20-25.
- (e) Molecular spectra.
- (f) Structure of atom, origin of quantum theory; Schrodinger's equation of and principle of uncertainty etc.

Paper IV                      Electronics & Electronic Instrumentation

- (a) Thermionic emission, field emission, photo-emission; vacuum tubes; gas diodes & thyratrons; noise in vacuum tube etc.
- (b) Semi-conductor phenomena;
- (c) voltage amplifiers, power amplifiers, oscillators, rectifiers; electrometers, operational amplifiers; cathode follower;
- (d) elements of pulse circuitry; switching circuits;
- (d) principles of receiver & transmitter; soundings;

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- (f) measurements of small currents; small voltages; impedance measurement; P.H. meter; electronic measurement of humidity, temperature, wind direction etc.
- (g) semi-conductor devices; metal semi-conductor contacts; ohmic contact; space charges region, junction capacitance; junction breakdown, point contact; field effect transistors; basic characteristics and operation of thermistors; thermo-electric devices.
- (h) principles of stimulated emission devices; microwave devices optical devices.
- (i) analog computer; analog adders; integrators, digital computer, binary & decimal systems;
- (j) Recorders; galvanometric type; potentiometric type and oscillographic.

#### Practicals: Paper V

Practicals illustrating fundamental of Physics; a few of the experiments are listed below:

- (1) Head conduction
- (2) Stefan's constant
- (3) measurement of electronic charge
- (4) measurement of c/m of an electron
- (5) ionisation potentials
- (6) photoelectric effect
- (7) use of spectrographs
- (8) etc. etc.

#### Paper VI                      Practicals

Experiments illustrating the applications of fundamentals:

- (1) Use of ballistic galvanometer
- (2) use of cathode ray oscilloscope
- (3) characteristics of triode; tetrode, pentode and gas tubes.
- (4) measurements of self & mutual inductance; capacitances and high resistances.
- (5) use of v.t.v.s.
- (6) measurement of space charge
- (7) characteristics of transistors
- (8) dielectric measurements
- (9) meteorological observations; temperature, pressure, R.H. etc.

#### M.Sc. (Final) Environmental Physics

There shall be three papers in theory based on 100 lecture hours each; two in practicals, one paper in practicals would

p.t.o.

be a project report in the form of a monograph to be prepared by the student on a subject dealing with a current problem being pursued at the observatory.

Paper VII Modern Physics or Contemporary Physics

- (a) Schrodinger's equation (wave mechanism and its applications to Hydrogen atom; helium atom; perturbation theory etc. 30.
- (b) Atomic Physics; photoelectric effect; Compton effect; Pauli's exclusion principle, periodic table; 10.
- (c) Nuclear Physics, isotopes, mass spectroscopy; radio-activity (artificial and natural); alpha, beta & gamma rays and spectroscopy; theory of alpha decay and beta decay; moshaur effect; shell model; nuclear force; Nuclear reactions; health physics. 40-45.
- (d) Nuclear instruments; cloud chamber; ion chamber; photo-multiplier; spark chambers; G.M. tubes etc. cosmic rays; elementary particles. 15-20.

Paper VIII Physics of the Air

- (a) Composition, temperature and moisture in the atmosphere 5
- (b) thermodynamics of the atmosphere 17
- (c) radiation in the atmosphere 10
- (d) cloud physics 10
- (e) atmospheric electricity 30-35 30-35
- (f) agricultural meteorology 15
- (g) air pollution 6
- (h) meteorological instruments 6

Paper IX Atmospheric Dynamics & Synoptic Meteorology

- (a) dynamics of air motion including turbulence 30
- (b) monsoons and general circulation 20
- (c) tropical meteorology 15
- (d) air masses and fronts 15
- (e) climatology of India 20

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Paper X Project Report:

Project report on any of the following:

- (a) Atmospheric Electricity
- (b) Any one subject listed under Paper VIII & IX.
- (c) Infra-red spectroscopy
- (d) Radioactivity.
- (e) Meteorological Instrumentation

Basic equipment and facilities for writing a monograph on the above subjects already exist at the observatory.

Paper XI Practicals:

Some of the typical experiments are listed below:

A. Electronics

- 1. Construction and use of C.R.Oscillograph; radiosonde; v.t.v.m. etc.
- 2. valve electrometers
- 3. voltage amplifiers; operational amplifiers, cathode follower
- 4. use of thermistors and thermocouples and measurement of temperatures in lab; and natural environment;
- 5. use of laser
- 6. microwave devices
- 7. construction of power supplies etc.

B. Meteorological:

- 1. use of radar in meteorology
- 2. measurements of electric potential gradients by different techniques;
- 3. measurements of polar conductivities of the atmosphere
- 4. measurements of space charge
- 5. measurements of air-earth current
- 6. computation in synoptic meteorology by charts etc.
- 7. measurements of thermoelectric power of ice
- 8. measurements of natural radioactivity
- 9. lightning counter
- 10. cloud identification
- 11. experimental arrangement for demonstrating the stable and natural equilibrium of the atmosphere.
- 12. synoptic analysis
- 13. use and maintenance of field instruments.
- 14. use of radio-sound equipment and data analysis.

C. Contemporary Physics

- 1. use of G.M. counters.
- 2. use of and utilisation spectrometers and photo-multipliers
- 3. measurements in radioactivity and study of alpha, beta and gamma rays
- 4. use and construction of infra-red spectrograph

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5. use of cloud chamber
6. use of ionisation chamber
7. coincidence techniques in G.M. tubes
8. etc. etc.

Note: After the introduction of honours courses in the University of Kashmir it is expected that the general level of students seeking admission to our teaching programme would become better and therefore it would be possible for us to improve upon our syllabi so as to include certain topics on Geophysics and Biophysics etc.

Books Recommended

Paper I

1. Applied mathematics for Engineers and Physicists; I.A.Pipes
2. Mathematics for Physics and Chemistry; Murphy & Marnanau
3. Higher Mathematics; Red Heffer & Sokolnikoff
4. Partial Bifferential equations by Sommerfeld
5. Differential Calculus by Kaplan.

Paper II

1. Classical mechanics by Symon
2. Classical mechanics by Golstein
3. Classical mechanics by Marrion
4. Theoretical Physics by Joas and Freeman
5. Theory of Relativity by Bergaman
6. Thermodynamics by Bajonski
7. Mathematics for Physics and Chemistry : Murphy and Margenau
8. Beat by M.N. Saha

Paper III

Electrical and Magnetism by Philips and Panofsky

2. Theoretical Physics by Joas
3. Atomic Spectra by White
4. Molecular Spectra by Merzberg
5. Modern Physics by Eisberg
6. Nuclear Physics by Ualliday

Paper IV

1. Radio Electronics by Seeley
2. Applied Electronics by Gray
3. Electronic Circuits by Angelo
4. Radio Engineers by Glasgow
5. Electronic Instrumentation by Fronskey
6. Electronic measurements by Torman and Petit

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Paper V

1. Quantum mechanics by Schiff
2. Modern Physics by Eisberg
3. Nuclear Physics by Green
4. Nuclear Physics by Burhop
5. Cosmic Rays by Rossi
6. Elementary Particle Physics by Marshak and Sudarshan

Paper VI

1. Physics of the Air : Humphrys
2. Physical and Dynamical meteorology : Haltner and Martin
3. Physical Meteorology by Longley
4. Meteorology by Patterson
5. Physics of clouds by Mason
6. Thermodynamics of clouds by Dufour & Defay
7. Physics of clouds by Bayers
8. Atmospheric Electricity by A. Chalmers
9. Atmospheric Electricity by N. Isreal
10. Air pollution by Stern
11. Micrometeorology.

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Annexure-III to Item No. 22

Copy of letter No. F.8-12/74.U.I dated 26th December, 1974 from Shri R.S. Chitkara, Director (U) Government of India, Ministry of Education and Social Welfare, Shastri Bhawan, New Delhi addressed to Shri R.K. Chhabra, Secretary University Grants Commission, New Delhi.

.....

I am enclosing a copy of a letter dated 21st December, 1974 (Appendix) from Governor, Jammu and Kashmir to Education Minister regarding financial assistance to the Gulmarg Research Observatory of Srinagar University.

I shall be grateful if the proposal for special financial assistance to the University to continue the activities of the Observatory is considered by the Commission.

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Copy of letter dated 21st December, 1974 from Shri L.K.Jha, Governor of Jammu & Kashmir, Camp J.& K Guest House, New Delhi addressed to Prof. Nurul Hasan, Minister of Education, Govt. of India, New Delhi.

.....

This is about the Research Centre at Gulmarg which I spoke to you about.

The reason why the future of this institution has suddenly become a matter of concern is a narrow financial one. It has been sustained through two plan periods entirely by grants from the U.G.C. without any condition that it will become a responsibility of the University (and therefore of the State Government) to maintain thereafter. The UGC has now indicated that it will no longer finance the running of this institution and neither the University of Kashmir nor the J & K Government are in a position to allocate the requisite funds for the purpose.

The re-examination of the future of the laboratory which has been occasioned by the financial problem which has recently arisen, has, very rightly in my opinion, raised some fundamental questions about its utility and advantages. The enclosed copy of a note which is going before the Syndicate of the University will show the different views expressed by different people on the subject. One view has been that it can do something very useful from a meteorological angle which will also be of benefit and use to the Airforce. The possibility of the Bhabha Atomic Research Centre making use of it was also considered and seems to have been turned down. The suggestion that the laboratory in Gulmarg should be closed and such use as the University of Kashmir may make of it in Srinagar would be the best answer has also been put forward. I myself had suggested to the UGC team which came out to the State a few weeks ago that if the Centre has any importance it is much more on the national plane than from the point of view of the State Government or the Kashmir University. I had therefore put forward the tentative view that the Jawaharlal Nehru University rather than the Kashmir University should take it over. Finally the question whether the space Commission could utilise it for any of its purposes also needs to be considered.

In bringing the matter to your personal attention my intention was that it should be looked at not from a narrow financial angle to discover who could foot the bill but from the wider angle of considering its utility and scope and arranging that such potential as it has is put to the best possible use from the national point of view.

I hope it will be possible for you to have this matter examined. The Kashmir University itself is facing as you know an acute financial crisis on account of the library building and we just not have the financial resources and possibly even the other resources necessary to ensure that the laboratory is put to the best possible use.

.....

Enclosure.

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The University of Kashmir, Srinagar.

Date and Date: ... Thursday,  
December 19, 1974

Time: ... 11 a.m.

Venue : ... Office of the  
Additional Chief  
Secretary, Jammu.

Agenda for the special meeting of the Syndicate.

To consider the following note relating to the Gulmarg Research Observatory:-

The Gulmarg Research Observatory which was established jointly by the Aligarh Muslim University and the erstwhile Jammu and Kashmir University in 1951 started functioning with a token grant of Rs. 8000/- per annum provided by the former University. The University of Jammu and Kashmir paid for the rent of the hutments housing the observatory besides the pay of one Chowkidar. The following fields of work were assigned to the Observatory:-

- a) To carry out research programmes in Physical and Biological Sciences connected with high altitude ;
- b) To impart training to young scientists in high altitude research leading to the degree of Ph.D.;
- c) To help in teaching of Post-graduate classes in the University departments of Physics and in the departments of other Govt. colleges in Srinagar ; and
- d) To provide basic facilities to interested research workers in various Universities and other institutions.

From 1956 onwards the UGC on the basis of the recommendations of its visiting committees, provided substantial assistance towards the Observatory both for its recurring and non-recurring needs. It was in the III Plan period that the Commission started financing the Observatory on cent percent plan to plan basis except for the rent of the hutments, and the pay of one Chowkidar which continued to be the liability of this University. This position prevailed during the IV Plan Period also.

Even with the termination of the IV Plan period on 31st March, 1974 when the recurring and non-recurring assistance of the Commission towards various IV Plan Schemes ceased, the expenditure of the Observatory continued to be borne on the Plan budget and the Commission was approached to provide funds as

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usual for this purpose, including the salary of the staff. The Commission vide their letter dated July 22, 1974 intimated that it would not provide any financial assistance towards the sanctioned posts of the Observatory during the V Plan period which would have to be maintained by the University itself on permanent basis.

The strength of the staff teaching and non-teaching, as sanctioned by the Commission till the end of IV Plan is as follows:-

(a) Teaching and Administrative Staff.

Professor 1100-50-1300-60-1600	1	
Reader 700-50-1250	1	Vacant
Scientific Officers 400-40-800-EB-50-950	3	1 Vacant
Lecturer 400-40-800-EB-50-950	1	Vacant

(b) Other Staff.

Wistry 280-10-370-EB-15-520	1	
Head Assistant-cum-Accountant 280-10-370-EB-15-520	1	
Laboratory Assistant-cum-Store Keeper. 220-8-260-10-300-13-430	1	
Mechanic 300-15-460-EB-20-560	1	
Electrician 280-10-370-EB-15-520	1	
Driver. 220-8-260-10-300-13-430	1	
Orderly. 170-2-186-3-210-4-230	1	
Laboratory Attendants. 170-2-186-3-210-4-230-	3	
Sweeper. 170-2-186-3-210-4-230	1	

The budget estimates for the year 1974-75 for running the Observatory work out as under:-

Salaries	...	Rs. 1.34 lakhs
Other recurring items of committed nature.	...	Rs. 0.55 lakhs
		<hr/> Rs. 1.89 lakhs <hr/>

In respect of the Post-graduate departments and other schemes that were approved by the University Grants Commission during the various Plan periods, the University had given a commitment with the concurrence of the Govt. to bear the expenditure on the continuance of these departments and schemes after the expiry of the respective plans. There was no such commitment in the case of Gulmarg Research Observatory and in fact none was ever demanded by the University Grants Commission. The Observatory has all along been running on Plan to Plan basis with cent percent grant from the University Grants Commission except for the pay of one Chowkidar and the rent of hutments.

In this connection it may be submitted that the future set up of the Observatory is yet to be determined. The Visiting Committee of the UGC last year made certain recommendations in this behalf. While these recommendations had yet to come up for consideration before the appropriate authorities of the University, the Syndicate appointed a committee under the Chairmanship of Shri R.C. Raina, Addl. Chief Secretary to evaluate the functioning of the Observatory including a thorough examination of the schemes now being carried out there and those proposed to be undertaken in future and their academic impact. A detailed note was presented to the committee in this behalf which is given in Annexure-I. The Committee had more than one sitting and it invited Dr. P.K. Iyengar, Director, Physics Group, Bhabha Atomic Research Centre, Bombay for advice. Dr. Iyengar after visiting the Observatory and having detailed discussion with the members of the Committee in September, 1974 presented a report which is given in Annexure-II.

The financial adviser was requested to convey his opinion regarding the financial aspect of the matter. The opinion conveyed by him is reproduced below:-

"Closure of the Gulmarg Research Observatory is a matter which the University Syndicate and the Council will have to decide after Mr. R.C. Raina submits his report. I am sure Mr. Raina will take note of Dr. P.K. Iyengar's recommendations also after the latter visits Srinagar. So far as the University finances are concerned, there is absolutely no possibility of accommodating the additional expenditure of Rs.1.89 lakhs, which will be needed in order to continue the Observatory. The University may

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however, see if it is possible to divert funds from other on going projects.

The case may, therefore, be submitted to the University Syndicate and the Council for order in light of the advice recorded above".

There is a proposal to introduce an additional paper or papers on Atmospheric/Environmental Physics with the existing M.Sc. Physics Course and utilize the services of the Professor and Scientific Officer of the Observatory in the Post-graduate Department of Physics, and shift the equipment of the Observatory to that Department. The Dean, Faculty of Science has been requested to work out the details of this proposal in consultation with the Head of the Department of Physics and the Professor Incharge of the Observatory. The Dean is presenting a note on this subject which will be circulated separately.

The reports of the various Visiting Committees of the UGC mentioned in the note at Annexure I will be place on the Table.

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Annexure I to Enclosure

1. note on Gulmarg Research Observatory.

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The University Grants Commission at the request of the Ex-Chancellor who had made the following observations about the working of the Observatory, appointed an expert committee to review (a) the work of the Gulmarg Research Observatory (b) its organisational aspect and (c) its relation to the teaching and research undertaken in the University Post-graduate Departments at Srinagar:-

Observations of the Chancellor.

"It seems that the Laboratory has been in a state of suspended animation in the last half a dozen years or more. It had a useful project of the study of cosmic rays distribution (with a Geiger-Muller counter telescope) but its possibilities were nearly exhausted about a decade ago and in the absence of any active involvement of the Honorary Director no new direction was given to the research programmes at the Laboratory. Since Dr. Khera and the other members of the staff did not get any fresh opportunities to get acquainted with later techniques and the research that was going on elsewhere in this field they have naturally become stagnant in their research output. I am told that even with regard to a useful research programme there is no clear idea as to what the laboratory can take up. Nor is there any competent appraisal about the capability of the research staff to take up new projects. In brief a fresh comprehensive appraisal is required about the need of continuing this Laboratory and its working. Merely getting a full time Professor-Director will just not do. It is also equally necessary to establish its future relationship with the University Administration and its Physics Department in particular so that the resources of personnel and equipment of the two organizations can be put to the best possible use in developing the Physics Faculty of the University. I am not quite sure that the device of coordinating Committee can really prove effective in securing cooperation of the two staffs with a view to promote both working and research of the Faculty of Physics".

The expert committee visited Srinagar and Gulmarg in May, 1971 and held discussions with the Vice-Chancellor, the Heads of the Science Departments, the Pro-Chancellor and the Chancellor. The Committee submitted its report recommending that:-

- a) the buildings housing the observatory be transferred by the State Government to the University, the total area required for the efficient working of the Observatory

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being 4-5 acres of land with the present laboratories as the nucleus. The University will be able to maintain and develop the laboratories with the financial assistance from the University Grants Commission only when clear title and possession of the laboratories is with the University ;

- b) the Gulmarg Research Observatory may be named as the Unit of High Altitude Studies in the Faculty of Science of the University of Kashmir being multi-disciplinary in nature and having a faculty seconded to work at Gulmarg from different Departments, depending upon their research interests. The Unit could be placed under the administrative control of the Dean Faculty of Science or the Vice-Chancellor in the beginning stages. The Unit must have a student population and should also participate in teaching activities of the Faculty of Science. It could offer specific courses for the M.Sc. students as part of the requirements of the M.Sc. Degree in Physics and Biological Science ;
- c) the Gulmarg Research Observatory may be developed into an inter-disciplinary set up to provide for high altitude studies in Physical and Biological Sciences ;
- d) with the proper development of the Laboratory as a teaching cum-research Unit, the facilities available could be utilised by the other Universities of the country, and
- e) the University of Kashmir may appoint a representative Scientific committee to help draw up suitable programmes of Scientific activities both teaching and research. This programme and its successful implementation would help in evolving long range Scientific activities for future years and cooperation with various Universities in the Country.

While these recommendations were yet to come up before the Board of Management for consideration, the University Grants Commission appointed another expert committee. (This Committee visited the Observatory in September, 1972).

The Board of Management of the Gulmarg Research Observatory met in May 1972 to consider the report of the earlier committee and after discussing the matter thoroughly inter-alia made the following recommendations:-

1. that the Observatory may continue to be named as the "Gulmarg Research Observatory".
2. that while retaining its national character in order to attract scientists and scholars from other parts of the country to pursue high altitude studies, the Observatory should for the purpose of its functioning be treated as

a unit in the Faculty of Science, University of Kashmir extending the jurisdiction of all the academic and executive authorities of the University to that Unit as in the case of other departments of the University ;

- 3) that while agreeing in principle to the recommendations of the Expert Committee to make the Observatory as teaching-cum-research centre, special elective papers be introduced in the courses of the M.Sc. Physics, Botany and Zoology relating to high altitude studies, The courses could be taught to the students concerned in the respective Departments and by utilizing the facilities and staff at the Gulmarg Research Observatory ;
- 4) that suitable allowance be paid to students taking the courses offered at Gulmarg for the duration of the course. The possibility of providing for their transportation may also be considered ;
- 5) that the University Grants Commission be requested to arrange an early meeting of the Expert Committee already appointed by it to draw up the Programmes to be taken up in the Observatory over the next 4 or 5 years and that specialists in the concerned fields proposed to be taken up in the Observatory namely, Spectroscopy, Cosmic Rays, Atmospheric Physics, Botany, Zoology and Environmental Sciences be co-opted ; and
- 6) that until proper legislation for the implementation of the recommendation made at item (2) above was made, the Board of Management would continue to function and that it would meet soon after the report of the Expert Committee was available.

It is pertinent to add that the Laboratory has since been declared as an independent Unit in the Faculty of Science extending to it the jurisdiction of all the academic and executive authorities of the University as in the case of other Departments.

The report of the visiting committee of the University Grants Commission which inspected the observatory in September, 1972 was examined by a Select Committee comprising Heads of Science Departments of the University and Dr. M.K.Khera, Prof. Incharge of the Observatory at a meeting held on 7.7.73. The Select Committee made the following recommendations:

- (1) That an M.Sc. course on "Environmental Physics" be started as soon as possible at the University Campus, Srinagar ; (while discussing this item Dr. M.K.Khera was requested to prepare a note on the financial implications



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involved in implementing the introduction of the course taking into account any additional staff and equipment required, and construction of a base department at the Campus).

- (ii) That the introduction of a course on Environmental Biology be post-poned for the time being. The matter would be considered again at a later date in the light of experience and success of the course on "Environmental Physics".

Before the recommendations could be placed before the academic and executive authorities of the University, the Syndicate at its meeting held on 29.9.1973 appointed a committee comprising the following members to evaluate the functioning of the Gulmarg Research Observatory including a thorough examination of the schemes now being carried out and those proposed to be undertaken in future:-

1. Shri R.C. Raina, Additional Chief Secretary to Govt.;
2. Dr. S.N. Ahmad Shah, Principal, Govt. Medical College, Srinagar,
3. Prof. Jan Mohammad, Head of the Deptt. of Mathematics,
4. Dr. Z.U. Ahmad, Principal, Regional Engg. College, Srinagar;
5. Dr. N.N. Raina, Head of the Deptt. of Physics ;
6. Dr. Yog Prakash, Head of the Deptt. of Physics, University of Jammu ; and
7. the Registrar.

A new development has since taken place in respect of the Observatory. The University Grants Commission which financed the Observatory on plan to plan cent percent basis, except for the pay of one chowkidar and the rent of the huts, intimated on 22.7.1974 that it would not provide any financial assistance during the 5th Plan for the posts sanctioned and filled up to the end of the 4th Plan period, adding that such posts will have to be maintained on permanent basis by the University. The University has therefore, to decide about the maintenance of the Observatory from its own grants ; the liability on account of salaries and other recurring items of committed nature being Rs. 1.80 lakhs during the current financial year. In this connection it is pertinent to add that unlike other Post-graduate Departments that were approved by the University Grants Commission, during the various plan periods for which the University was committed, with the concurrence of the Government to bear the expenditure on their continuance after the expiry of the respective plans, there has been no such commitment in the case of the Gulmarg Research Observatory and in fact none was demanded by the Commission. If it is decided to continue the Observatory the Government will have to sanction an additional grant of Rs. 1.89 lakhs during the current year and given an assurance for maintenance of the Observatory in future.

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~~Annexure II~~

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Report of Dr. P.K. Iyengar, Director, Bhabha Atomic Research Committee, Physics Group.

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At the invitation of the University of Kashmir, I visited the Gulmarg Research Observatory on the 1st of September, 1974 and attend the meeting of the committee constituted by the Syndicate on 2nd of September, at Srinagar. The following are my observations and recommendations regarding the functioning and future use of the Gulmarg Research Observatory.

1. The Gulmarg Research Observatory has a history of its own. Having been formed with the enthusiastic and expert guidance of Prof. P.S. Gill who was an active cosmic ray Physicist and who was Professor on the University of Aligarh at a time when cosmic rays research was at its peak, this Observatory was used for cosmic ray measurements. This subject has now faded into the background and hence it is natural that this activity has also been wound up at Gulmarg.
2. With the resignation of Prof. P.S. Gill as the Honorary Director of the Observatory and due to the changing emphasis on high altitude research the facilities created at the Gulmarg Observatory for cosmic ray studies is no longer of any value. Naturally the existing staff have tried to take up research in other areas. In this I must compliment the valient efforts of Mr. Raina in particular, who has tried to take up research in other areas. In this I must compliment the valient efforts of Mr. Raina in particular, who has tried to do the maximum under the circumstances and has completed a project for his Ph.D. thesis.
3. During the last 6 or 7 years, the Laboratory has been virtually stagnant. High altitude research is an area of applied research demanding certain metication from a body of experts in basic disciplines. Except for very few problems of astrophysical interest there are not many experiments that could be classified as basis research. In order to sustain a programme in high altitude research, it requires much more than a mere observation post at Gulmarg. Since the organisation of this Observatory has always been regarded as something separate from the normal University activities, specially funded by U.G.C., it has not enjoyed the back-up of any strong scientific community at the University level or in the national laboratories level.
4. The existence of a similar observatory with much better infrastructure and back- up of a larger scientific organization puts this laboratory in sharp contrast with that of the Gulmarg Laboratory now run by BARC. It is obvious that the cost of running a laboratory in a place like Gulmarg with severe winter conditions is indeed expensive. For this reason it is impossible

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to build up all the necessary technical infra-structure for a laboratory of this kind at Gulmarg itself. Any attempt to do this will only increase the cost and complicate the organization of such an observatory. For this reason also be the Gulmarg Research Observatory, to my mind, is not available organization.

5. The fact that there have been two expert committees appointed during the last 5 years to go into the working of this laboratory and make recommendations inspite of the governing board with expert scientific members itself proves that the laboratory is in bad shaps and is unable to have an independent existence consistent with the efforts and the money that has been put in. The first U.G.C. committee has merely dealt with certain administrative aspect and suggested that in the changed circumstances of Prof. Gill leaving the organization, it should form part of the University of Kashmir so that it can elicit support and academic interaction from other departments of the University. It is obvious now that this has not happened inspite of the Observatory coming directly under the administrative control of the University. Unfortunately the Observatory has been recognised as a separate entity and placed under the Dean of Faculty of Science. This has not helped in fostering any interaction between the science disciplines and the Observatory.

6. At the meeting held on 2nd September, the recommendations of the last expert committee of the UGC were placed before the members. I have gone through these in detail, for this is the recommendations of an expert committee which was to suggest academic programmes rather than deal with administrative problems. I have my own doubts whether the experts in that committee would have gone into details of prescribing a syllabus/course in Environmental Physics or Biology without suggesting any specific research programmes for the Observatory. Since I have know at least one of the members closely I have checked with him to ensure that at least he has not seen this report in the present form nor are they his recommendations. However, it is also worth recalling that in the covering note from the U.G.C. it had been mentioned that it was only a note prepared by the U.G.C. incorporating some of the suggestions of the expert committee. The note also called for detailed proposal from the University to start a programme of M.Sc. course in Environmental Sciences.

I have the strongest objection to this report of the UGC which I believe is not a report of the expert committee. In this report considerable effort has been made to justify starting a programme in meteorology in the context of national needs. However, it fails to bring out whether the Gulmarg Observatory and the present staff have the requisite experience in teaching as well as research to start a programme in meteorology. Several reports are quoted to justify the need for expertise in Environmental Physics and Meteorology. But it is my view that it is only after one has strengthened the teaching of post graduate classes in Physics and established expertise in several

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areas of instrumentation like electronics, spectroscopy, certain aspects of chemistry etc. there, one can start a programme in environmental sciences. I am also not convinced that the existence of the Observatory at Gulmarg with the present facilities will in any way help much in teaching meteorology in the University. The laboratory facilities needed to start a department of meteorology today is vastly different from what exists in the University of Kashmir in the Observatory. Couple of experiments in atmospheric electricity that are being conducted in Gulmarg are not sufficient justification to start a department of meteorology. Even though these are my personal opinion, I would strongly urge that this matter of starting a new department should be looked at by a committee of experts including members of the Indian Meteorological Department and the Institute of Tropical Meteorology in Poona as that they could give the correct guidance to the University on venturing on such a course.

7. The problem of the Gulmarg Observatory one of sub-critical size-lack of motivation for high altitude research and the lack of infrastructure of a well developed supporting laboratory. It is conceivable that all these can be built up in a short time with the limited financial resources that are being placed at the disposal of the University specifically for this laboratory. In the national context the existence of a similar observatory a couple of kilometres away with adequate facilities only makes this a redundant organization to achieve any national aims. The Observatory run by BARC is also open to all institutions specially to the Kashmir University. It has been repeatedly declared by the Director, Bhabha Atomic Research Centre that the new laboratories being set up at Srinagar and the Gulmarg laboratory of BARC are fully at the disposal of the scientists of the University of Kashmir and elsewhere for conducting any specialized experiments.

8. Under these circumstances if one were to take a dispassionate view on the future of this laboratory, it is my firm opinion that this laboratory has served its purpose at a time when cosmic ray research was at its peak. High altitude research is an interdisciplinary activity which calls for a larger body of academic people, greater technical support and use of new techniques all of which are not available at present at Srinagar or Gulmarg. In view of this it is better to close down this laboratory at the present stage. The equipment that is available in the laboratory is not much and could be used in teaching in the Physics Department of the University of Kashmir. At the present stage the number of staff involved are very few. In fact there is only one permanent academic member viz. Dr. Khara, who is also designated Director of the Observatory. With the cooperation of UGC some place can be found to accommodate Prof. Khara. The research Officer Mr. Raina could also be accommodated in the University for teaching of Physics and continuing Research in a small way in the area in which he has specialized. The facilities at Gulmarg in the BARC set up could be made available to him.

contd..

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The question of opening a new department of Meteorology should be looked at as a separate problem. A committee of experts may be nominated to give their opinion on the desirability, on the intra-structure required like staff and laboratory and the investment required to start such a department. Perhaps it would not be out of place to mention that what is required in the Kashmir University in the Physics Department is specialization in other areas of basic Physics and strengthening of its teaching in basic physics and electronics rather than venturing on very highly specialized inter-disciplinary areas like Environmental Sciences.

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Extract from the Report of the Committee which visited Kashmir University to assess the needs of the University for the Fifth Plan period.  
Gulmarg Research Observatory

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with a view to finding out whether the merger of the two institutions

The second major problem which the University is finding difficult - and also seems unwilling to handle - is with regard to the Gulmarg Research Observatory. (For details of the organisation and working of the Observatory see Appendix). The Gulmarg Research Laboratory was started in 1954 as a joint venture of the Universities of Aligarh and Jammu & Kashmir, both of which had made some token contribution towards its expenditure while the main burden of its expenditure was taken up by the University Grants Commission. The University Grants Commission which has supported the institution for the last twenty years on a 100% basis, naturally, would not be able to continue doing so. In view of the refusal of the State Government to support that functioning of the Institute any longer and the lack of enthusiasm on the part of the University to have a separate department of Atmospheric Physics and Meteorology, for which this Institute could be well suited, or even have one paper in their present courses for the M.Sc. Physics, the Visiting Committee spent one full day at Gulmarg, visited the Gulmarg Research Observatory under the administrative control of the University of Kashmir at Srinagar, and the Bhabha Atomic Research Institute, which is also located at Gulmarg, and had detailed discussions with the Directors of the two institutions where possible. However, they came to the conclusion that this was not possible. The two institutions were carrying on different kinds of work. Even the very location of the two institutions in Gulmarg indicated the difference between their research activities. While the Bhabha Atomic Research Institute is located deep in the Gulmarg Valley, surrounded by forests, and carries on its researches primarily in ionosphere, the Gulmarg Research Laboratory is located on the crest of the bowl, to which the valley could be compared, in an atmosphere comparatively free from pollution, where it carries on its experiments in atmospheric physics and biology and meteorology. If a merger of the two institutes is not feasible, and it is not regarded as desirable to wind up the Gulmarg Research Laboratory after 20 years of fairly creditable work and allow its equipment of Rs.15 or 16 lakhs to be wasted, the only alternative would be to bring down the major equipment of the laboratory to Srinagar, attach it to the Department of Physics for the time being, where a specialised course in Atmospheric Physics and Meteorology could be started as a part of the requirements of the M.Sc. degree in Physics, and later on a full-fledged course leading to the degree of M.Sc. in Atmospheric Physics and Meteorology could be introduced. Since no University in India is at present involved in the teaching of a full-fledged M.Sc. course in Atmospheric Physics and Meteorology, the committee suggests that the University may appoint a team of experts in

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Atmospheric Physics and Meteorology (and not from the Atomic Research, as was done last time) in order to examine the possibility of an independent course leading to the M.Sc. degree, and also consult the Meteorological Department of the Government of India to find out the possibilities of gainful employment for those who obtained such a degree.

So far as the starting of a specialised course in Atmospheric Physics and Meteorology within the existing framework for the M.Sc. degree in Physics is concerned, no additional teaching staff is required. But if it is decided after expert advice that the starting of a separate M.Sc. degree in Atmospheric Physics and Meteorology is feasible, it would involve the appointment of additional staff, for which the University could approach the U.G.C. later. The Committee would in any case emphasise that the State Govt. or the University of Kashmir should no longer continue with their present attitude of indifference to the Gulmarg Research Laboratory, which could, under expert advice, perhaps be made the nucleus of major research work. While the University Grants Commission could support the development plans of the institution (in case it would found advisable to start a full-fledged M.Sc. degree in Atmospheric Physics and Meteorology) the State Government will have to take up the responsibility for meeting the existing expenditure on the laboratory.

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The Gulmarg Research Laboratory, which started in 1954, has received assistance from the University Grants Commission from 1956 onwards on the basis of the recommendations made by the Visiting Committee during the Second and Third Plan periods. During this period, the work of the Observatory has been mainly concentrated on the High Energy Physics, particularly the studies of Cosmic Rays and Recording of Occurrences of Radio-active fall-out in the atmosphere. The laboratory received considerable assistance for purchase of major items of scientific equipment under the India Wheat Loan Programme during the Second Plan period.

The laboratory until 1965 was jointly managed by the Aligarh Muslim University and the Jammu & Kashmir University both of which made some token contributions towards the expenditure in addition to the funds provided by the University Grants Commission. In view of the difficulties experienced as a result of such administrative control vesting with the two universities, one of them located at a considerable distance from the laboratory, it was felt desirable that the administrative control of the Observatory should be assigned to one University preferably the Jammu & Kashmir University. This decision, among several others, relating to this Observatory was taken by the University Grants Commission at its meeting held in October 1964. Subsequent to this, the administrative control of the Laboratory has been taken over by the Jammu & Kashmir University who have constituted a Managing Committee for running this laboratory. Thus, after a period of uncertainty and reduced activity, the Gulmarg Observatory has re-started functioning in the normal way and has at present undertaken the following projects for investigation:

- (1) Continuous measurement of cosmic rays
- (2) Study of radioactive fall-out at Gulmarg
- (3) Continuous measurement of meteorological variables.

The University Grants Commission gave maintenance grant to the Observatory upto 31.3.1974. Thereafter the Observatory and its maintenance became part of the committed expenditure of the Kashmir University, Srinagar. The staff salaries from 1.4.1974 are being paid by the Kashmir University.

The position of the staff now is as under:-

1.	Professor	M.K. Khara, M.Sc., Ph.D.
2.	Reader	Vacant
3.	Scientific Officer	B.N. Raina, M.Sc.
4.	Scientific Officer	Vacant
5.	Scientific Officer	Vacant
*6.	Lecturer	Vacant

\*This post is subject to final confirmation.



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7.	Research Fellow	S.U. Usmani
8.	Research Fellow	Vacant
9.	Research Fellow	Vacant
10.	Research Scholar	Vacant
11.	Research Scholar	Vacant

AUXILIARY STAFF

1.	Glass Blower	M.L. Chawla
2.	Mechanic	G.M. Mir
3.	Electrician	Vacant
4.	Mistry	Abdul Ahad Shora
5.	Head Assistant cum Accountant	Mohd. Ashraf
6.	Driver	Balwant Singh
7.	Laboratory Assistant cum store-keeper	Gh. Ahmed Baat
8.	Laboratory Attendant	Abdullah Bhat
9.	Laboratory Attendant	Khazir Mohd. Magry
10.	Laboratory Attendant	Ab. Samad Mir
11.	Orderly	Mohd. Bhat
12.	Chowkidar	Ahmed Sheikh
13.	Sweeper	Rohman Sheikh

Other facilities available at the Observatory:

ELECTRIC POWER	220 V, single phase, 3 KVA and 440 V, 3 phase, 25 KVA, Diesel Generating sets; Also available to commercial supply 220 V, A.C. with a 20 KVA voltage stabilizer.
WORKSHOP	One Lathe and small tools together with the services of a Mechanic, Mistry and Electrician.
LIBRARY	Books around 500 : Bank volumes about 45 of scientific journals : Currently 31 journals being subscribed. Total value of the books and journals around R.1.60 lakhs.
SCIENTIFIC EQUIPMENT	Perkin Elmer, single beam, double pass fore prism grating spectro- graph; Infra-red Spectrophotometer.  Grating Spectrograph  Basic equipment for microwaves; klystron signal source, frequency standard multiplier, crystal maker etc.

Meson Cubical Telescope; G.M. Counters, Beta Counter; Gas Flow Counter for alpha studies.

Meteorological Instruments

RADAR 10 cm (due to be received shortly)

Scintillation Spectrometers with Na-I mounted photomultipliers.

Neutron survey meter and Gun type logarithmic survey meter for gamma activity. Apparatus for the study of radioactive emanation from the ground.

Microscopes; General purpose and nuclear emulsion scanning type.

Oscilloscopes (Tektronix, DuMont, Cossor, Philips).

Calculating Machine : Electronic and hand driven : Electronics Desk Calculator.

Strip chart recorders; Single channel, four channel and potentiometric recorder.

Equipment for the measurements of Atmospheric electric field, conductivity, Air-Earth current and point discharge studies.

Present Position:

On September 4, 1972 Gulmarg Research Observatory was notified by the order of the University Council as one of the constituent units in the Faculty of Science. The notification read as under:-

"While retaining its national character to attract scientists and scholars from other parts of the country to pursue high altitude studies the Gulmarg Research Observatory is hereby declared as an independent unit in the Faculty of Science, University of Kashmir, extending to it the jurisdiction of all the academic and executive authorities of the University as in the case of other Departments of the University".

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This was done consequent upon the consideration of the Report of the Expert Committee appointed by the University Grants Commission for the Development of the Gulmarg Research Observatory. The said Committee visited the Observatory on 11.5.1971.

On the request of the University of Kashmir another committee headed by Dr. Ramanna was appointed by the University Grants Commission. This committee was constituted to consider and make recommendations in respect of academic programmes of the Gulmarg Research Observatory for the following few years. This committee visited the Observatory in September 1972 and also held discussions with the Heads of postgraduate departments of Physics, Botany and Zoology. The committee also consulted the Chancellor, Pro-Chancellor and Vice-Chancellor. Consequently a report was submitted by the Additional Secretary, University Grants Commission to the University of Kashmir in June 1973.

In the nutshell the following was the main recommendation of the report:-

\*.....It is suggested that the Gulmarg Research Laboratory may develop studies in environmental sciences and take up research programmes related to these training programmes and of relevance to high altitude. The studies in environmental sciences could be developed at the Master's degree level leading to a two-year M.Sc. degree. The courses may emphasize areas of (a) Physical science and (b) biological sciences. The suggested syllabus for each of these programmes is given below....." The report also recommended that the base department of the Observatory be established in the University Campus where the above courses should be offered.

Regarding courses on physical sciences a syllabus was suggested on 'Environmental Physics' with an emphasis on Meteorology.

This report was then placed before the Select Committee (consisting of the heads of the Department of Physics, Botany, Zoology, Mathematics and the Gulmarg Research Observatory) constituted for the purpose by the Vice-Chancellor. The Committee resolved that an M.Sc. course on 'Environmental Physics' be started as soon as possible at the University Campus while the introduction of a course on 'Environmental Biology' be postponed for the time being. It was decided that the resolutions of the select Committee would be placed before the Academic Council of the University for its consideration.

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It is expected that the Kashmir University will modify its M.Sc. Physics syllabi so as to include at least two papers on Atmospheric Physics, and at a later stage start a fullfledged course in Atmospheric Physics leading to the M.Sc. Degree. The Gulmarg Research Observatory will continue to serve a useful purpose in the field of scientific research and atmospheric physics.

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Annexure-V to Item No. 22

Copy of letter No. F.2(3)140/Dev dated 11.2.1975 from the Deputy Registrar (Dev) University of Kashmir, Hazratbal, Srinagar-6, addressed to the Secretary, University Grants Commission, New Delhi.

.....

Sub: Provision of grants for the Gulmarg Research Observatory.

.....

I am directed to say that the University Council, which is the chief executive authority of the University and is headed by the Governor of the State, at its meeting held on 6.1.1975 while considering functioning of the Gulmarg Research Observatory resolved as under:-

"that the recommendations of the Syndicate be placed before the Council at its next meeting and the University Grants Commission be approached to provide grants for the salaries of the staff and other recurring expenditure in respect of the Observatory at least for the current financial year".

In the light of above it is requested that the Observatory may kindly be financed by the Commission with respect to the salaries and recurring grants amounting to Rs. 1.89 lakhs for the current financial year as the University has no resources of its own to feed the Observatory.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 14th April, 1975

- Item No. 23 To consider the recommendations made by the Panel on History about the development of Museums and provision of audio-visual aids in the universities and development of studies in the history of science.

.....

The University Grants Commission, at its meeting held on 9th and 10th December, 1974 considered the recommendations made by the Panels in the Humanities and Social Sciences and desired that (i) the question of developing museums and providing audio-visual aids to the departments of History/Archaeology may be brought up separately before the Commission at a later meeting; and (ii) the proposal to support studies in the history of science outside the V Plan allocation of the Universities may be accepted in principle and the History Panel may be requested to identify a few departments of history/archaeology for the purpose.

The meeting of the History Panel was held on 15th January, 1975 to consider inter-alia the suggestions made by the Commission. The recommendation of the panel were placed for consideration before the University Grants Commission at its meeting on 10.2.75 (Item No.28). The Commission desired that the recommendation of the panel about development of museums and developments of studies in the history of science may be considered at a later meeting of the Commission.

The Panel's recommendation in the matter is indicated below:-

(a) Development of Museums and provision of Audio-Visual Aids:

The Universities and Colleges should be encouraged to build up and enrich their collection of coins, stone-age materials, sculptures and copper plates. Plaster casts of valuable coins and sculptures may be provided by the National Museum; the colleges and universities should be encouraged to buy these items. Universities which have already a working museum should be further encouraged to acquire a basic nucleus which could be further developed by acquiring exhibits obtained during field work and project work. It is most important that visual representation of buildings and archaeological sites should be made available to students through packets of transparencies e.g. for

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architecture, paintings, sculptures etc. The universities which have a general museum may be helped to set up separate sections for history and archaeology in these museums. Any antiquity collected by the students during the exploratory tours and used by a Ph.D. scholar in his doctoral dissertation should automatically become the property of the department which is sponsoring him for the degree.

Assistance may be made available to the universities outside the V Plan allocations for setting up museums in history and archaeology. In the initial stages, a grant of Rs.10,000/- may be given to those universities which show interest in setting up museums to cover the cost of (a) transparencies, (b) plaster casts, (c) field work and (d) epediascope. A grant of Rs.20,000/- may be given to universities which have already working museums in history and archaeology for further development during the V Plan period.

(b) Development of studies in the History of Science.

The scheme for providing assistance to the universities outside the V Plan allocation for teaching of history of Science at M.A. level may be circulated to universities having Centres of Advanced Study in Science subjects and those which have strong department of History. The universities finally selected for participation in the scheme may be provided assistance towards the appointment of one lecturer or Reader on a 100 per cent basis during the V Plan.

The matter is placed before the Commission for consideration.

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 14th April, 1975

Item No. 24 To consider a proposal of instituting fellowships for foreign students for research work in Indian universities.

.....

The Commission has been receiving requests from Indian Embassies for award of Scholarships/Fellowships to foreign students for under-taking doctoral research work in Indian universities. The UGC Scholarships/Fellowships are normally meant for Indian students/teachers unless there is a specific provision in the Cultural Exchange Programme assigned to the Commission for implementation.

The Commission awards each year 200 Junior Fellowships and 100 Senior Fellowships of the value of Rs.400/- per month for two years and after proper assessment Rs.500/- for another two years and Rs.600/- per month for two years, respectively. The fellowships carry a contingent grant of Rs.1500/- per annum for Junior Research fellows and Rs.2,000/- per annum for Senior Research fellows while Junior fellowships are open to persons who have obtained a Master's degree of a recognised university in the first or high second division, Senior fellowships are generally intended for Post-doctoral research workers or for those having equivalent published research work to their credit. Besides, the Commission has been allocating 600 junior research fellowships to the universities annually with the provision of necessary funds.

The Department of Culture, Government of India, has requested the Commission to consider the award of a Senior fellowship to Shri Subhadr Panyadeep, Lecturer of Indian Religion Philosophy and Comparative Culture, Faculties of Social Sciences and Humanities, Mahidol University, Bangkok so as to enable him to obtain Ph.D. in Indian Culture and Languages from Banaras Hindu University. A copy of letter No.F.3-3/72.C.II91 dated 26th February, 1975 from the Department of Culture is attached as Annexure.

It is for consideration whether (a) senior fellowship may be instituted for foreign students desirous to undertake doctoral research work in Indian universities and (b) if (a) is agreed to, the number of such fellowships.

The matter is placed before the Commission for consideration.

J.S.(II)/A.S.(RF)



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ANNEXURE TO ITEM NO. 24

Copy of D.O. letter No.F.3-3/72-CII(1) dated February 26, 1975 received from Shri J.M. Gugnani, Assistant Educational Adviser, Government of India, Department of Culture, New Delhi addressed to Shri A.K. Chhabra, Secretary, University Grants Commission, Bahadur Shah Zafar Marg, New Delhi.

.....

I am writing to you in connection with a request received from our Embassy in Bangkok recommending the grant of a Senior Scholarship to Professor Subhadr Panyadeep, a lecturer in Mahidol University, Bangkok, so as to enable him to obtain a Ph.D. degree in Indian culture and languages from Banaras Hindu University, Varanasi. A copy of letter No.BAN/ISI/321(1)/74 dated 31st November, 1974 from the Embassy of India in Bangkok is enclosed (Appendix).

Under the General Cultural Scholarships Scheme, the Ministry of Education awards scholarships at the uniform rate of Rs.300/- only for all the courses of studies right from under-graduate level upto Ph.D. and even for the post Ph.D. course. It would be a good gesture if a senior scholarship is granted to Professor Panyadeep considering his status.

I shall, therefore, be grateful if the University Grants Commission could consider the grant of a Senior Scholarship to Professor Panyadeep under any of their schemes. The decision taken in the matter may kindly be communicated to us at your earliest convenience.

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APPENDIX

INFORMATION SERVICE OF INDIA  
EMBASSY OF INDIA BANGKOK

No.F.BAN/ISI/321(1)/74

November 21, 1974.

Subject:- Proposal to grant senior scholarship for study and research in India to Mr. Subhadr Panyadeep a lecturer in Mahidol University, Bangkok.

Dear Ministry,

Mr. Subhadr Panyadeep, a lecturer of Indian Religion and Philosophy and Comparative Culture, Faculty of Social Sciences and Humanities, Mahidol University, Bangkok and also a visiting lecturer in Indian Philosophy and Mahayana Buddhism at the Department of Buddhist Studies, Faculty of Religion and Philosophy, Mahamakut Buddhist University, Bangkok, is very much keen and interested in obtaining a Ph.D. degree in Indian culture and languages from Banaras Hindu University, Varanasi. He previously obtained his M.A. degree from the same university on Indian Philosophy with FIRST CLASS.

Professor Panyadeep is a person with a high sense of dedication to our country and further opportunities given to him for his studies in India would not only deepen his interests and enthusiasm about the cultural heritage of India but also will make him a permanent friend of India. He approached us to secure for him a senior scholarship for study and research in the Banaras Hindu University, Varanasi at least for 2 years and we strongly recommended his candidature for favourable consideration to the I.C.C.R.

The I.C.C.R. has informed us that since Mr. Panyadeep is not a routine student and requires senior scholarship, they were unable to consider him for scholarship under ICCR's scheme which is only Rs.300/- per month. They have, accordingly, advised us to approach you for consideration of Mr. Panyadeep for a Senior Scholarship under you.

In view of the position stated in para 2 above, we strongly recommend that Mr. Panyadeep may be afforded the opportunity to obtain a Ph.D. Degree in Indian Culture and Language from the Banaras Hindu University by granting him a senior scholarship.

\* A short bio-data of Mr. Subhadr Panyadeep is enclosed for your consideration.

Yours ever,  
Embassy of India  
Bangkok

Min. of Education & Social Welfare,  
Department of Culture, NEW DELHI.

\*Not enclosed.

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10/11/74

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 14th April, 1975

Item No. 25 To consider the question of assessment of the work of the Junior Research Fellows so as to become eligible to receive fellowships at Rs.500/- p.m.

.....

1. The University Grants Commission at its meeting held on 7th May 1974 accepted the recommendations made by the Standing Committee on Fellowship programme regarding the U.G.C. fellowships in Humanities, Social Sciences and Sciences and inter-alia desired as under:-

"The value of Junior Research Fellowships may be raised to Rs.400/- per month for the first two years and Rs.500/- per month for subsequent 2 years after the work has been assessed and found satisfactory (Note: Till such time the work of the Junior Research Fellows has been assessed by the Commission through interview, they will be entitled to the fellowship at the rate of Rs.400/- only)."

2. In this connection it may be stated that the following types of junior research fellowships are being awarded with the same terms and conditions:-

- (a) All-India Junior Fellowships awarded by the University Grants Commission after inviting applications.
- (b) Junior fellowships instituted by the universities, both State and Central, out of the funds made available by the Commission.
- (c) Junior fellowships instituted under CAS/DSA programmes.
- (d) Junior fellowships instituted under Commission's scheme for support for research or other earmarked research projects.
- (e) Junior research fellowships created by the Central Universities under 'Non-Plan'.

P.T.O.

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3. The procedure to be followed for evaluating the work of the Junior Research Fellows who at present are drawing Rs.400/- p.m. under the scheme of fellowships awarded by the University Grants Commission at the end of two years of their tenure is as under:-

"All Junior Research Fellows who have completed two years of their tenure are required to submit a report indicating the work done and the progress made in their approved research project through the Supervisor and the university. This report should be accompanied by an assessment report from the Supervisor of the candidate. These reports may then be referred to two experts by the Commission to indicate (a) whether in the light of the work already done by the candidate, he may be given the increased amount of the fellowships, or (b) may be allowed to continue on the existing basis for another year when his work could be again evaluated, or (c) whether the candidates' work may be assessed after an interview, and (d) the fellowship may be discontinued because of the unsatisfactory progress.

While forwarding the assessment report of the research fellow the Supervisor should indicate the total number of students working for Ph.D. under his guidance at the time of reporting indicating the names of the students, date of registration and the topic of research of the scholars."

4. With regard to the Junior Research Fellowships instituted under CAS/DSA programmes, the procedure for the assessment is as under:-

"The Junior Research Fellows will receive Rs.400/- p.m. in the first two years. Thereafter they will receive Rs.500/- p.m. subject to their work having been evaluated and found satisfactory. The evaluation may be done by the respective Advisory Committees for the Centres of Advanced Study/Departments selected for Special Assistance. It will be essential for the external experts of the Advisory Committees to be present at such meetings. The recommendations of the Committee in this respect may then be sent to the Commission for concurrence."

5. Regarding fellowships created by the Central Universities under 'non-plan' it has been agreed that the assessment may be done by the Central Universities themselves by a Committee having a nominee of the University Grants Commission, this has already been done in the Jawaharlal Nehru University and the names of the nominees of the Commission have also been suggested to the University.

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The Visva-Bharati, Delhi University and Aligarh Muslim University have also accepted the suggestion of the Commission but the names of the nominees of the Commission are yet to be suggested.

6. It will be apparent that different procedures have been suggested for the assessment of the work of the Junior Research Fellows having the same terms and conditions of award of fellows under various programmes of the Commission.

7. The Junior Research Fellows who were receiving Rs.300/- p.m. have been given Rs.400/- p.m. from 1st July, 1974. Some of these fellows would have completed 2 years on that date. Accordingly whether such Research Fellows be paid Rs.500/- retrospectively or they may be on Rs.400/-p.m. until such time their work is evaluated. The period they are paid Rs.400/- p.m. may not perhaps exceed one year in any case.

8. It has been suggested that the question to have a uniform procedure for evaluating the work of the junior fellows after two years of the award of fellowship so as to avoid disparities amongst the students be considered by the Commission. The matter is accordingly placed before the Commission for consideration.

A.S.(a)/D.S.(D-5)

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

MEETING:

DATED: April 14, 1975.

Item No.26: To consider the question of  
institution of posts of Readers  
in Colleges:

--

The Commission while considering the Sen Committee Report on conditions of service of teachers in its meeting held on 2nd & 3rd June 1974 amongst others decided that as recommended by the Sen Committee, Readerships/Professorships be also created in selected undergraduate and postgraduate Colleges and preferably in autonomous colleges. Further, the Commission was of the view that the qualifications and the mode of recruitment to these posts should be the same as applicable for corresponding posts in the University Departments.

It is proposed that as a first step, the Commission may assist the Colleges to institute posts of Reader during the Fifth Plan period on the condition that after the Commission's assistance ceases on 1.4.1979, the College/State Government would take over this as committed expenditure.

If this is accepted, the following suggestions are for Commission's consideration with regard to the selection of colleges where posts of Readers may be instituted:

- a. the College should be permanently affiliated to the University concerned;
- b. it should not have less than 800 students on its rolls if providing a three-year degree course or 500 students for a two-year degree course;
- c. While selecting the colleges where such posts may be sanctioned, the criteria laid down for selection for Cohsip Colleges may be kept in view;
- d. Posts of Readers may be made available for each of the Departments providing facilities for Honours/Postgraduate teaching. In case of departments where more than one post of Reader is required, the proposal may be examined on merits of each case.

The matter is placed before the Commission for consideration.