NORTH-EASTERN HILL UNIVERSITY

Shillong 793 001

NINTH MEETING OF THE EXECUTIVE COUNCIL

29th November 1975

At the India International Centre, New Delhi, at 11.00 AM.

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-:o:-

Agenda Item No. 01 (1-3)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 2 EC:Genl(1)/75
November 14,1975

NOTES FOR THE EXECUTIVE COUNCIL

Subject :- Business arising from the Minutes

1. Mr Noorul Hasan, Lecturer in English

Mr Noorul Hasan was awarded the Commonwealth Scholarship on the recommendation of the University and his application for study leave was considered by the last Executive Council. The Executive Council has granted him study leave for a period of two years in the first instance subject to certain conditions as contained in their resolution No.EC8 75:40.

Mr Noorul Hasan had agreed to all the conditions laid down by the Executive Council and he has left for the United Kingdom, working for his doctoral degree at the University of Manchester. He left India on 20th September 1975 and his study leave became effective from the 1st of October 1975.

2. Appointment of Professor L.R.Shah

The Executive Council had, vide their resolution No.EC8 75:43(1), authorized the Vice-Chancellor to negotiate the appointment of Prof L.R.Shah. The Vice-Chancellor has, in pursuance of the above resolution, appointed Prof L.R.Shah as Director and Senior Fellow in the Department of Continuing Education under Statute 21 of the Act.

Prof L.R.Shah has accepted the appointment and joined the Department of Continuing Education

P.T.O.

on the 16th September 1975 as Director and Senior Fellow in the pay scale of a Professor. His intial pay is fixed at Rs.1800/-.

3. Appointment of Dr Daya-Nand Verma, Dr Rajat Tandon and Dr S.G.Hulsurkar in the Department of Mathematics

As per the decision of the Executive Council, vide resolution No.EC8 75:43(3), one Professor, Dr Daya-Nand Verma, and two Readers -- Dr Rajat Tandon and Dr S.G.Hulsurkar -- were appointed in the Department of Mathematics under Statute 21. Dr Verma was appointed in the pay scale of a Professor giving him a starting salary of Rs.1800/-. He has joined the Department on the 13.9.75.

Dr Rajat Tandon and Dr S.G.Hulsurkar were appointed in the pay scale of a Reader -- Dr R. Tandon at the initial of the pay scale and Dr S.G. Hulsurkar with two advance increments. Both have joined the Department -- Dr Tandon on the 20th September 1975 and Dr Hulsurkar on the 1st November 1975.

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Agenda Item No. III (4)

NORTH-EASTERN HILL UNIVERSITY

Shillong 793001

VCF 14:ID:Lib/75- 16th November, 1975

NOTE FOR THE EXECUTIVE COUNCIL

Sub: Business arising from the Minutes -
Purchase of Old and Rare Books.

The eight meeting of the Executive Council, met on the 26th July, 1975 deferred the matter on the purchase of old and rare books available with Shri Niharranjan Ray to the next meeting owing to lack of time. The matter is again brought before the Executive Council for their consideration.

The Vice-Chancellor, in the meanwhile, had referred the matter to the members of the Executive Council for their opinion on the feasibility of purchasing the above collection of Shri Niharranjan Ray. Dr Udgaonkar's reply together with Prof. B.S. Kesavan's letter and the Valuation Report of four experts are tabled.

The Executive Council may consider the proposal of purchasing Shri Niharranjan Ray's Library for NEHU Library.

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TATA INSTITUTE OF FUNDAMENTAL RESEARCH
HOMI BHABHA ROAD, BOMBAY 400 005.

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November 7, 1975

Dr.Chandran Devanesan,
Vice Chancellor,
North East Hills University,
SHILLONG.

Dear Dr.Devanesan,

Sometime back, you had sent me a copy of the list of books and journals available in the library of Dr.Nihar Ranjan Ray. I have consulted our Librarian in this matter and I am enclosing herewith his comments. You will see from these comments that he is recommending that it would be worthwhile for the University to acquire the collection of 'The Rays' provided the price is reasonable. On being told that the Rays were expecting about Rs.50,000/- for the collection, Shri Havanur expressed the opinion that this would be a reasonable price.

With best regards,

Yours sincerely,

B.M. Udgaonkar

(B.M. Udgaonkar)

C O P Y

106 Rabindra Nagar
New Delhi - 3

11 July, 1975

My dear Dr. Devanesen,

By a singular piece of good fortune I came to know that Dr. Niharrajan Ray, the eminent scholar, who was once the Director of the Indian Institute of Advanced Study in Simla, is ready to part with his superb collection of books. His collection also contains one thousand off-prints of papers published in various journals in India and abroad on subjects like Indian Art, Archaeology, Crafts, History, Anthropology, language and literature. These off-prints are invaluable for research purposes. This collection contains a number of books which have long gone out of print and are now extremely rare or altogether unavailble. I got this list evaluated by the senior officers of the National Library at Calcutta. The most interesting part of collection is that it contains sets of periodicals like Rupam, Journal of the Indian Society of Oriental Art, the Indian historical Quarterly, and the Journal of the Department of Letters of the Calcutta University which are altogether unavailable in the country. I am also enclosing for your information a copy of the Valuation Report made by the senior staff of the National Library. Though they have evaluated it at Rs 54,000, I feel and offer of a round sum of Rs 50,000, from the North-Eastern Hill University might be acceptable to Dr. Ray.

I am sending you by registered post A/D(a) a copy of the Catologue of Dr. Ray's collection, (b) a copy of the valuation report. I would suggest that you write to Dr Ray on this matter to the following address : Prasad Bhavan 68/4A Purna Das Road, Calcutta 700029. I would strongly recommend the University going in for this collection.

With kind regards,

Yours sincerely,

Sd/-
B.S.Kesavan

Dr Chandran D.S. Devanesen
Vice-Chancellor
North-Eastern Hill University
Shillong - 1

C O P Y

COLLECTION OF BOOKS & PERIODICALS (ENGLISH)

of

Professor Niharrajan Ray

A VALUATION REPORT

BOOKS & MONOGRAPHS

1. But for a couple of titles or two the entries in this hand-list of books and periodicals are all in English.

2. The Collection consists of about 2330 titles, excluding the sets of periodicals which, because of the extreme rarity, will be dealt with separately. It is therefore quantitatively a small one, relatively speaking. But considered qualitatively, it is a fine, well-preserved collection of very important titles on Indian Art and Archaeology, Indian history and culture including religion and philosophy, anthropology, language and literature. In other words, though small it is a fairly representative collections of books on Indology, which should be very useful to advanced students and teachers and to research workers in this field.

3. But its importance lies more on the extreme rarity of availability of a considerable number of titles which have long been out-of-print. Indeed, a good number of the titles is not availble even in the international old and rare book market, and once in a while when a title appears on the market, one has to pay five to ten times the original prices if and when one is lucky enough to get hold of it.

4. In recent years, a few enterprising Indian commercial publishers have been issuing reprints of some rare and out-of-print Indological titles. But according to their pricing quality, these publishers price such titles three to five times the original price.

5. Valuation of any collection must also take into account the very high price of books due to general inflation on all fronts, which has been obtaining for the last few years, and prices are still rising, somewhat alarmingly.

6. The Collection also contains about a thousand off-prints of papers and articles on Indology, from scholarly professional journals and periodicals. These items have not been listed, but these have been shown to us and we have been given to understand that these are included in the Collection put up for valuation as a whole.

Recommendation

Taking all these considerations into account we could value the Collection of Books and Monographs at the flat rate of Rs20/- (Rupees twenty) only per title. The total amount would thus come up to Rs 46,600/-(Rupees fortysix thousand six hundred) only.

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PERIODICALS AND SERIALS

1. Of the sets of periodicals listed in the Collection those of Rupam, Journal of the Indian Society of Oriental Art, Indian Historical Quarterly and the Journal of the Department of Letters, Calcutta University, are extremely rare; indeed, these are altogethere unavailable. Despite one or two mising volumes in one or two of these sets, these volumes are invaluable and are, therefore, worth acquiring. In any international rare book market these sets would attract fabulous prices.

2. Besides these four sets there are small broken sets of periodicals and serials running to more that 70 vols., which too are unavailable in the market. Which ever of these volumes are contained in the Collection, should be acquired.

Recommedation

On the above consideration we would first value the periodicals and serials of the four sets just referred to, Rs 6000/- (Rupees six thousand) only, at the minimum. For the other volumes in broken sets, we would recommend a sum of Rs 1500/- (Rupees one thousand five hundred) only. The total valuation of the periodicals and series would thus be round figure of Rs 7,500/- (Rupees seven t o thousand five hundred) only.

Our total valuation of the entire collection is thus Rs 54,100 (or Rs 54,000 only in round numbers).

Sd/-
G.L.Roy
Asstt. Librarian

Sd/-
B. Sengupta
Asstt. Librarian

Sd/-
B.B.Chaudhuri
Librarian (Actg.)
National Library
Govt. of India
Calcutta.
Dated 3.7.75

Calcutta
2nd July, 1975.

Sd/-
Satyajit Das
Asstt. Librarian

Sealed
B.B.Chaudhuri
Librarian (Actg.)
National Library
Calcutta.

Agenda Item No. IV (1-5)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

11

No.VCF 2 EC:Genl(1)/75
November 15,1975

Subject :- REPORTING ITEMS

1. The 3rd Inter-Collegiate Sports Meet

The third Inter-Collegiate Sports Meet was held in Shillong from the 28th to the 30th October 1975. Teams from 16 colleges participated and the Sports Meet was declared open by the Education Minister of Mizoram, Shri Thansanga. The Chief Guest at the concluding session on the 30th was Shri S.D.D.Nichols Roy, Minister of Industries, Meghalaya. The function was presided over by Shri P.G.Marbaniang, Minister of State for Education, Meghalaya.

2. NEHU Foundation Day Celebrations

The NEHU Foundation Day Celebrations were held from the 28th to the 31st October wherein most of the affiliated colleges took part. The Post-graduate Students' Council was mainly responsible for organizing this Cultural Week with the active cooperation of the students of colleges both from Shillong and from the distant places like Nagaland and Mizoram. This Cultural Week, apart from the fact it brought out hidden talents from among the students, it also helped to bring in harmanious relations among the student community of the different States since NEHU's jurisdiction extends to two States and two Union Territories.

3. Inuaguration of the Mahatma Gandhi Visiting Professorship

The donation of Rs.1 lakh from Prof V.Venkata Rao, Professor-Emiritus, Gauhati University, made it possible to institute a Mahatma Gandhi Visiting Professorship. On the 31st of October 1975 in a solemn function, the President of India, Shri Fakhruddin Ali Ahmed, who is also the Visitor of NEHU, inaugurated the Mahatma Gandhi Visiting Professorship.

4. The UGC Regional Workshop on Political Science Syllabi

The UGC has selected the Political Science Department of NEHU to conduct the 2nd UGC Regional Workshop on Political Science Syllabi. Several experts and a contingent of 37 delegates from the 7 Universities of North-Eastern Region met in Shillong and carried on the deleberations from the 10th to the 13th of November.

5. National Lectures in Philosophy

Dr S.S. Barlingay, National Lecturer in Philosophy for the year 1974 appointed by the University Grants Commission, was in Shillong giving a series of three lectures from the 10th to the 12th November.

The meetings were well attended.

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Agenda Item No. V (1)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

13

VCF 15 UD:SC:Gen(1)/75 20 Nov 1975

Subject: Recommendations of the Selection Committees in

Botany
Zoology
Philosophy
English
History
Economics and
Political Science

Submitted to the Executive Council for their consideration and approval.

I. BOTANY

The Selection Committee met on the 16th August 1975 at New Delhi to select one Reader and two Lecturers. The Committee made the following recommendations:

"That Dr A.N. Purohit be appointed Reader with two advance increments in the basic scale.

In case Dr Purohit is not available, the post of Reader may be offered to Dr M.L.H. Kaul on the starting point of the basic salary."

With regard to the selection of Lecturers, the Committee recommended as follows:

"Only Dr R.R. Rao was found suitable and the Committee recommends that he be appointed.

The other post may be left vacant and a suitable candidate appointed temporarily and regularized later according to the Statutes governing such appointments."

II. ZOOLOGY

The Selection Committee met in New Delhi on the 18th August 1975 to select two Readers and one Lecturer. The Committee made the following recommen-

contd.

dations:

Readers

"that the following be appointed:

1. Dr Kamalesh Chatterjee
2. Dr A. Sannasi

The following candidates are recommended as alternates in order of priority:

1. Dr H. Tombi Singh
2. Dr M.N. Madhyastha"

Lecturer

"The Committee finds that none of them are suitable.

Since one of the candidates, Miss P. Tiewsoh, is a scheduled tribe candidate from the region the Committee feels she may be appointed after the award of the Ph.D., degree and sent for further training."

III. PHILOSOPHY

The Selection Committee met in New Delhi on the 18th August 1975 to select one Reader and one Lecturer. The Committee made the following recommendations:

Reader

"After interviewing the three candidates present the Committee felt that two of them were not suitable.

The Committee recommends that the third candidate, Dr (Mrs) Sujatha Miri, be offered the post of a Lecturer with protection for her last pay drawn and two advance increments."

Lecturer

"the Committee recommends that:

Dr R.V. Vyas be offered the post of Lecturer on the starting point of the basic salary.

Dr (Mrs) D. Bhattacharya may be kept in reserve as an alternate in the event of Dr Vyas not being available."

contd.

IV. ENGLISH

The Selection Committee met in New Delhi on the 19th August 1975 to select three lecturers. The Committee made the following recommendations:

"the Committee recommends the appointment of the following:

1. Dr (Mrs) Frances B. Singh (subject to the approval of the authorities concerned in view of her citizenship)
2. Mrs Temsula Ao (subject to the rules of the University that she should qualify for a research degree within five years).

It is further recommended that the third post be held in abeyance."

V. HISTORY

The Selection Committee met in New Delhi on the 1st September 1975 to select one Reader and two Lecturers. The Committee made the following recommendations:

Lecturers

"The Committee recommends the appointment of Shri P. Sudhir and Shri Imdad Hussain as lecturers.

Though Miss Manorama Sharma was not present, her papers were studied in absentia and she was listed third in the order of priority."

Reader

"The Committee recommends that Dr S. Nagabhushana Rao be appointed Reader."

VI. ECONOMICS

The Selection Committee met in New Delhi on the 2nd September 1975 to select two Lecturers. The Committee made the following recommendations:

"Seventeen applicants were invited

contd.

of whom eleven were present and were interviewed. The Committee regrets that none of the candidates were found suitable."

VII. POLITICAL SCIENCE

The Selection Committee met in New Delhi on the 3rd September 1975 to select two lecturers. The Committee made the following recommendations:

"The Committee recommends that Kumari Rooplekha Bargohain and Shri Bhaskaran Nair be appointed.

Shri M. Muthuswamy and Shri Kameshwar Prasad may also be kept in the panel in this order of priority."

The selected candidates have been offered the appointments and they have joined their respective posts except Mrs Temsula Ao who is awaiting the release order from her present employers.

Submitted to the Executive Council for their approval.

Agenda Item No. V(2) 17

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 15 UD:Maths(9)/75
November 22,1975

NOTES TO THE EXECUTIVE COUNCIL

Subject :- Expansion proposals of the Department of Mathematics.

Placed below is a note prepared by the Head of the Department for the development of the Department of Mathematics at North-Eastern Hill University for the year 1976-77. The matter is submitted to the Executive Council for their consideration.

****

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

DEPARTMENT OF MATHEMATICS

Expansion proposal of the Department for the year 1976-77.

The proposals here shall form the 1976-77 component of the Five-Year Plan proposals of this department, when such proposals from all departments are collated by the university and submitted to the U.G.C. in near future. Outlined at the outset below, however, are broad projections and justifications for the general course of development of this department over a sufficiently long period (upto the early 1980's). It is considered important that the initial phase proposed in the course of this document be considered and approved without delay.

1. BACKGROUND

Among all the (postgraduate) teaching departments of NEHU, that of mathematics was the first one to come up, since this was the only subject in which the university needed to take over the post-graduate instruction from an affiliated college (St.Anthony's). Consequently, out of the lecturers taking M.Sc.classes there, 3 were appointed in this department after screening; one of them has substantial teaching experience, but none of them has devoted any time towards research (for Ph.D. or otherwise).

On July 26,1975, the Executive Council decided to appoint the following under Statute 21; they have all joined as shown:

Name	Coming From (Institution)	Designation	Joining Date
1. Dr Daya-Nand Verma.	T.I.F.R. (Bombay)	Professor	September 13
2. Dr Rajat Tandon.	"	Reader	September 20
3. Dr S.G.Hulsurkar.	I.I.T. (Kharagpur)	"	November 1

Contd....2

There is still one vacancy of a lecturer, for which interviews are to be held in Delhi on December 1, 1975. The present workload is shown in 6, Part I,No.(4).

Professor Daya-Nand Verma was invited to Visit Shillong from July 21 to 25 and to meet the members of the Executive Council on the date of the said meeting in Delhi. Prior to that visit to Shillong he had placed on record his views on the growth of this department in form of an informal letter addressed to Professor U.N. Singh, sending a copy to the Vice-Chancellor through Professor B.M.Udgaonkar, and extracts from his letter were circulated to the members of the Executive Council. Much of what follows consists of elaborations on the basic ideas expressed in that letter.

Before proceeding to lay the broad outline of the proposed course of development suggested for this department (which is done in 3 and 4 below), it would be helpful to have an acquaintance with the challenge facing Mathematics Education and Research in the country.

2. STATE OF MATHEMATICS IN INDIA

The object of this section is not to produce a mini-treatise lamenting the state of mathematics in India (and in the region where we are located), but only to point out that some redical measures are necessary in order to cope with the enormous lag that exists in our country in the sphere of mathematics education and research. No doubt, a treatise on laments can be constructive in convincing those decision-makers who have no direct familiarity with this sphere, about the needs of "some radical measures", but with at least two persons in our Executive Council who do have such a familiarity, we ought not to labour too hard on this point. It may be pertinent, however, to refer to Chapter 1 of the document "Mathematics in India: Meeting the Challenge" (Proceedings of the 1973 "Bina tional Conference" at Bangalore, published by the U.G.C., 1974) titled "Present Status". Though, in the

Contd....3

opinion of some knowledgeable mathematicians, its language is unduly subdued, it is a fairly good mini-treatise of the above kind that goes in some details on the "ills that plague mathematical education"; in other words, it is simply impossible to produce a sober document on this subject (without dishonesty) which refrains from all laments.

The truth of the matter is that at the very best our mathematics education lags by a 100 years; this would be an abominable situation for any other science, but many seem to tolerate it merely because mathematics is to deal with eternal truths and so is supposed to be less easily outmoded. (One must admit that this attitude may have a good deal to do with our lag in Mathematics). Here it is not suggested that the mathematics developed within last 100 years is not being taught, but only that the only mathematics that a vast majority of our good teachers can teach with some inspiration is at least a 100 years old. The reason for this is not hard to seek: not one of our 100 or so universities has succeeded in establishing a nucleus of competent mathematicians, large enough to act as a viable propagating culture, and capable of bridging the gulf between the classical and the modern (in mathematics).

3. THE PRESENT STATE OF THE DEPARTMENT

It would seem that since ours is a new centrally supported university, it may be possible to effect here some radical overhauling of the pattern of higher education in general, and that of mathematics education in particular. However, let it be known that the present structure of the courses taught by this department does not augur well in this direction. While criticising the mathematics teaching at established institutions, we can not forget to confess that we have hardly any student who possesses a fascination for mathematics, or at least knows properly whatever course material is presumed from an average undergraduate syllabus. For this reason, this year's syllabi for M.Sc. courses are being altered only marginally; and though our senior staff

Contd...4

are strug.ling heroically to impart some depth in the understanding of course materials howsoever diluted these be, they cannot obviously co tinue to do so for long without getti g demoralised.

In brief, in a hurry to start this department, our university has permitted itself to be made into a degree-manufacturing factory worse than many other institutions of higher learning. A good deal of hard work, and careful planning without shying away from radical measures, would be required to bring this trend to halt at the incipient stage of NEHU.

Let it be added, however, that the entire staff of the Mathematics Department is attempting to contribute their best under the handicapped circumstances. The non-Ph.D. staff is looking for opportunity to start research work. One of them is fairly active in the seminars that have been meeting quite frequently in recent months(both "research seminar" and "students' seminar"), and in due course he may be doing his research with the present senior members; the university is most willing to help the other two lecturers, as soon as they can find an opportunity to go elsewhere for research.

4. THE OBJECTIVES OF THE DEPARTMENT

With the preceding orientation on the present state of mathematics here (and elsewhere in India), we need to come to the tasks that must be undertaken by this department. But before coming to that in section 5, let us first set down our broad goals.

The main objectives of this department may be formulated, and elaborated upon, as follows:

(1) "To develop into a leading centre of Advanced Study and Research in Mathematics". Here two points must be specifically borne in mind: (i) The dichotomy between routine teaching and advanced research should be

Contd....5

minimised; we believe that this is possible though a necessary precondition for this is the standards of courses be raised and only those students be admitted to this department who possess some motivation for becoming good professional mathematicians (either as teachers or fundamental researchers, or devoting to genuine applications - though our country offers very few opportunities of this kind at present). (ii) In order that efforts are not dissipated away in specializations in far-flung areas, it is agreed to concentrate on certain specializations that are inter-related and yet provide sufficiently broad coverage within all the basic branches of present-day Mathematics.

As and when this department does make some actual progress towards this objective (and wins some international recognition to this effect), it may be reasonable to grant this department an autonomous status - in accordance with part (16) of section 5 of the North-Eastern Hill University Act, 1973, and to re-name it as "Mathematics Institute of NEHU".

It is understood that the present department shall be geared to what is frequently called Pure Mathematics. Following the increasingly popular trend we drop the adjective "Pure" (after all, Physics and Chemistry departments do not require such qualification even in places where separate departments of Applied Physics and Applied Chemistry do exist); furthermore, on account of various unpleasant connotations implied by various partisans in the debate on Pure versus Applied (Mathematics), the term "Applications of Mathematics" is being preferred (in place of the traditional Applied Mathematics) which is lately becoming popular.

There are two very happy connotations of the usage "Applications of Mathematics" which provide us some basic justification for the strategy of development of Mathematics at NEHU (which is explained under the

Contd....6

next objective), viz. that on one hand "Mathematics is one while its applications are many", and on the other hand "Mathematics must precede its applications". It is well known that a great many better departments in the (universities and IIT's of the) country are only able to show some work in the so-called Applied Mathematics, while modern (pure) Mathematics is virtually non-existent in India; not only this, many of our better centers of Applied Mathematics are known to lament this non-existence, since our out-moded knowledge greatly prevents them from keeping up on the recent and high-quality research in their own area of Applications.

(2) "To pave way for the establishment of a new School (or Division) of Mathematical Sciences in this university (including Computer Studies)". Already there is provision for a Department of Statistics in the School of Physical Sciences. It is suggested that one or more new departments dealing with diverse Applications of Mathematics should be created after a centre of excellence in mathematics is in the process of becoming a reality and that this developed department should have full control and responsibility in the starting of the new departments. It is also suggested that as and when a Computer Center comes to NEHU it should be quickly followed with the establishment of a Department of Computer Studies; and despite the inter-school nature of the Center it should be placed under this department. The need for stressing theoretical work can not be overemphasized, since no society can progress on purchased equipments and borrowed know-how.

Present-day Applications of Mathematics, excluding Statistics, may be classified broadly as follows (i) Classical Applications: this includes traditional areas like Mechanics, Elasticity, Plasticity, Heat Transfer, MHD etc., as well as all other areas that may be described as "Physics/engineering, requiring good deal of mathematical

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manipulations", such as part of Relativity, Quantum Mechanics, and Statistical Physics. (ii) Applications to social Sciences (most prominently to Economics): this includes Game Theory, Coding Theory etc.: these are largely areas of "finite and combinatorial mathematics. (iii) Applications to Behaviorial and Life Sciences: this incorporates some of the most recent trends in Applications, including Bio-mathematics; here is involved mostly the "mathematics of the continuous" in an up-dated sense which would include Control Systems and Catastrophy Theory. (iv) Computer Studies, which necessarily has strong bias towards Mathematical Logic, and includes Algorithms, Theorem Proving, Artificial Intelligence, Formal Languages, Pattern Recognition, as well as matters of immediate concern to a Computer Center such as Information Retrieval, Computational Complexity and Efficiency etc.

Out of (i) to (iv) above, it would be reasonable to try to exclude (i) (though perhaps not wholly), since a better balance on the applications areas must be attempted in India (where only (i) has attracted any attention, with the exception of some of the IIT's).

(3) "To contribute to the improvement of the general standards of teaching and to the upgrading of courses in Mathematics (including its Application)". Here again 2 points must be emphasized: (i) It is not possible to improve standards without first arresting the falling standards. (ii) It is not possible to influence teaching without producing good researchers. It is clear how easily this can lead one into vicious circles, precisely the sort of circles that have kept all educationists trapped since Indpendence.

This is to admit that quick results can not be expected on this count. Of course, we must organise all possible activities that may make some short-term contribution in this objective, like organising of summer schools, symposia, seminars, workshops, refresher courses etc. But experience has shown that often such programs

Contd....8

involving substantial government spending are vulgarised, with only one net result - "mediocrity breeds mediocrity". The only manner in which our Department can attempt to prevent this in its sphere of action, would be by trying to exclude mediocrity entirely.

The strong views expressed here do not prevent us from recognising that special attention will have to be paid to the effects of "cumulative backwardness of the hill (tribal) people in Mathematics from primary stage upwards" (in the area of jurisdiction of NEHU, towards which special responsibilities have been recognised by the Act of the University). Given purposiveness, all backwardness can be fought against; thus our "exclusion of mediocrity" is only intended to apply to checking the opportunistic tendencies.

Let it be added here that on account of the universal nature of Mathematics, it is not possible to devise programs that may bear upon the regional ambitions in a most direct manner. However, it should be emphasised that the very act of development of a center of excellence would mean a profound contribution that may go (over a period of time) long ways in the fulfilment of such ambitions. It is important not to let the "regional" and "national" clash, because in true sense these simply do not; and particularly with the sort of situation that exists in India, it is inconveivable how one could serve the region aspects of this objective without fulfilling the national one.

5. IMMEDIATE TASKS

It is the considered opinion of this Department that the following measures should be taken

(1) Yearly revision of all syllabi undergraduate and post-graduate in slow stages, culminating in a new syllabus for the generation of students that enters the "10+2+3" pattern (beginning B.Sc. in 1978 and M.Sc. in 1981). We shall be guided by the course outlines in the document

Contd...9

"Mathematics in India,: Meeting the Challenge" referred earlier. Special attention will have to be paid to make mathematics more meaningful to those under-graduates who major in other subjects. It goes without saying that the Department must provide active help in all possible forms to teachers of affiliated colleges to enable them cope with the changes (and it also goes without saying that this Department must be provided with substantial influence in ascertaining the quality of mathematics lecturers to be appointed from now onwards in all colleges).

(2) Gradual Curtailment of admissions to B.Sc. (Honours) and M.Sc.courses to only those students who posses any motivation for mathematics. This need not mean simply a reduction in number of seats (though that could be the net result for a very temporary period). This could partly be effected by enforcing stricter examination standards.

(3) MOST IMPORTANTLY, Introduction of a New Master's degree course to be called M.Sc.(Honours), side-by-side with the regular M.Sc.course, with the hope that with gradual upgrading of undergraduate standards and with the coming of the 10+2+3 system the diluted Master's course we are being forced to keep would wither away. It would be possible to sustain a highlevel course which may compare favorably with the Master's teaching in the best universities of the world, only if we make special efforts to find bright students with high motivation to study mathematics. This can only be done by selecting at all India level, and by providing financial help to large percentage of those admitted. It is suggested that 20 seats would be an optimum (at least in the beginning), and that there be created studentships for 10 of them of the value of Rs.200 each.

The TIFR has been the only institution producing leaders in Mathematics for well over 2 decades now; they have been amply successful in giving some very good mathematicians to the country, but not so much in providing the supporting rank-and-file. The reason is not far to seek; out of some 500 applicants with M.Sc.degrees, they are unable to find generally even 5 good ones for their program, and the casualty rate of their first-year entrants is close to 60%. In such circumstances it is hightime for some institution in the country to go in for the sort of M.Sc.(Honours) program we have suggested.

Contd...10

Once again it need not be over-emphasized that while such a program would be a contribution towards an urgently felt national need, it could not (and must not) be regarded as counter to the regional needs. Every regio of the country should open its heart to welcome students (and even settlers) from every other part, which can only contribute to greater national integration. It would be extremely short-sighted on part of the leaders and people of the tribal states to which NEHU does owe special responsibilities, if they tend to resist this department's efforts to find 20 best students from all over the country for this program. Needless to say mathematics education in this region would gain in a variety of ways from the striving for excellence in this department; and one of these ways could be the lure of these states (in particular of Shillong itself) on (say, only) 2 of these bright 20 to make this area their permanent home.

(Let it be added in footnote at this point that the present percentage of reserved seats for tribal students in the M.Sc. course are far from being filled up, due to very few applicants satisfying the reduced minimum qualifications. Thus any impression that our proposed new course would tend to displace students from this region is completely unjustified.)

6. NOTES ON OUR REQUIREMENTS:

Some projections on the needs for the next few years

The most important task, without which all others would remain unfulfilled, is to find highly qualified teaching and research staff and to equip the library with books and journals. The former is going to be a particularly difficult and slow process in Mathematics because of a vacuum in India in this field. For this reason, our staff requirement (which is shown in Part I below) may be difficult to fill.

Contd....11

It is proposed to send an advertisement in the Notices of the American Mathematical Society, as soon as some new vacancies have been sanctioned; that may be expected to bring good response from sizable number of qualified Indian mathematicians abroad, and we would need to screen their applications most thoroughly to take only the brightest among them that would fit the specializations of this Department (though we would be open to the possibility of starting new specializations, as and when some outstanding individual capable of providing leadership become available).

Part I : Teaching and Research Staff:

(1) We have presently provision for 1 Professor, 2 Readers, and 4 Lecturers, of which 1 Lecturer's post is vacant. The interviews for the present vacant position is to be held soon.

(2) It is proposed to reckon normal teaching load as follows:

Professor : 4 to 6 hours of lectures per week
Reader : 7 to 9 " " " " "
Lecturer : 9 to 11 " " " " "

It should be borne in mind that every member of staff is to attend upto 6 hours a week of Seminar Sessions (already "Students Seminars" as well as "Research Seminars" are operational) and to prepare for their lectures in these seminars by turn.

It must be noted that we do not propose to count Tutorial Classes among our Load Requirements, though to exhibit the expanded teaching work in view of the "Specific Proposals" above a work-out of the number of Tutorial hours per week is also exhibited below (in No.(8)).

(3) It is further proposed that there shall not be any purely research staff at present (not counting senior research fellows and visiting members). However, the total teaching-cum-research staff needs ought to be reckoned at double the number that stands justified on the basis of above teaching load alone.

(4) At the average of 5,8 and 10 hours per week load for Professor, Readers and Lecturers, present capacity for the filled-up posts is as follows:

1 Professor	:	5 hours/week
2 Readers	:	16 " "
3 Lecturers	:	30 " "

Contd...12

es
30

The present staff is carrying on with a highly over-loaded routine of teaching of 44 hours/week for M.Sc.classes apart from 6 hours/week of tutorials and 4 hours/week of service courses (in the Economics Department). With this load it is not possible to offer a choice of Optional Papers to the Final Year Students.

(5) With the starting of M.Sc.(Honours) Course, the total load requirement for the next two years would be expected as follows:

	1976-77	1977-78
M.Sc.(Previous)	24 hours/week	24 hours/week
M.Sc.(Final)	32 hours/week	32 hours/week
M.Sc.(Hon.Previous)	24 hours/week	24 hours/week
M.Sc.(Hon.Final)		32 hours/week
Service Courses	8 hours/week	12 hours/week
Total	88 hours/week	124 hours/week

(6) In terms of purely teaching staff requirement, this may be taken to justify the following strength.

Average load per week →	Professors 5 each	Readers 8 each	Lecturers 10 each	Total number of lectures per week ↓
1976-77	1	4	5	5+32+50= 87
1977-78	2	7	6	10+56+60 = 126

(7) By the broad formula suggested under (3) above this implies the following :

	Professor	Readers	Lecturers
Total No. of position in 1976-77	2	8	10
New posts to be created in 1976-77	(1)	(6)	(5)

Total No. of positition in 1977-78.	4	14	12
New posts to be created in 1977-78.	(2)	(6)	(2)

(8) The expected number of students and their tutorial hours are displayed as follows (on the assumption that each student gets 5 hours/week of tutorials):

	1976-77			1977-78		
	Students	Tutorial Sec.	Tutorial hours	Students	Tutorial Sec.	Tutorial hours
M.Sc.(Prev)	20	4	20	20	4	20
M.Sc.(Final)	15	3	15	20	4	20
M.Sc.(Hon.) (Prev.)	15	3	15	20	4	20
M.Sc.(Hon.) (Final)				15	3	15
Total			50			75

As stated at the end of No.(2) above these figures are not intended to contribute to a demand for additional staff. In other words, the average load of members of the teaching staff would consist of the load shown in (2) above plus 2 to 3 hours per week of tutorial work.

(9) In a few years when we no longer require two different types of M.Sc.courses, we can use our staff strength towards starting an M.Phil.Course.

(10) It would be reasonable to round off the number of new posts to be created in the foreseeable future, to a constant rate each year. It would be quite satisfactory if this department is promised a steady rate of new vacancies (each year) of 1 Professor + 5 Readers + 4 Lecturers for the next 5 years, subject to a maximum total of 4 Professors + 14 Readers + 12 Lecturers by 1980 (since we do not at all expect to be able to fill the steadily available number of 1+5+4 vacancies in each of these 5 years). It is this requirement that is finally used in section 7 part (i).

Contd....14

(11) For the few years provision of new posts of 2 post-doctoral fellows and 4 pre-doctoral fellows would be adequate.

(12) If we are sanctioned approximately the number of vacancies shown, it should be possible for this department to use the equivalent of 2 or 3 posts (if vacant) towards visiting appointments. Thus, we are not asking for separate grants for such appointments.

Part II. : Library and non-academic staff

(1) It is possible to use a grant of Rs.150,000 per year for books alone for the next 4 years. Thereafter an yearly grant of about Rs.60,000 for mathematics books will be needed, with a provision of 10 to 20% inflation per year; this inflation is partly monetory, and partly stands for inflation in scientific knowledge.

(2) It is proposed to obtain about 75 periodicals in Mathematics regularly; these belong to two priority lists that have been prepared, and contain only a few titles from Statistics and Applications of Mathematics. Working on the basis of 3 year old prices in Uhrlich's directory, the present net cost of these journals (with handling charges etc) should not be above $ 7000 per year (to which 10% monetory inflation will be added for our normal recurring budget calculations).

(3) The total cost of the desirable Back Volumes of these journals, dating back to less than 25 years in almost all cases, would be no more than $ 60,000. An additional cost of $ 40,000 should be reckoned for those back volumes that are not so important (including farther back than 25 years, which would be the case for some 15 journals); t is sum would be cut down to less than half if we go in for microfilms.

(4) An annual grant of Rs. 60,000 per year (with inflationary provision) would be adequate for the present recurring needs of periodicals. Besides, a non-recurring grant of Rs. 150,000 per year for back volume over a period of 4 years would be needed.

(5) Besides what is shown in nos. (1) and (4) above, we would need grants for microfilm reader/printer, for library accessories (like bookcases) and for library incidentals (like binding costs). A total of Rs.20000/- non-recurring grant for 1976-77, and Rs.20000/- yearly recurring grant may be adequate.

Contd....15

(6) Our non-academic staff requirement may be divided into 3 parts.

(i) Departmental Library Staff,

(ii) Other Technical Staff, and

(iii) The rest.

(7) Following new post are being requested for 1976-77 in respect of (i):

(a) 1 Assistant Librarian OR Professional Library Assistant,

(b) 1 Junior Library Assistant,

(c) 1 Library Attendant;

Perhaps an equal number of new posts would be needed for 2 or 3 more years as our library expands.

(8) Following new posts for 1976-77 would be needed in respect of (ii) in (6) above:

(a) 1 Mathematical Typist
(b) 2 Machine Operators (Xeros/Microfilm/Offset).

The former should carry a scale of pay even better than that of a stenographer. For this new designation (necessary for the specialised work involved in mathematical typing), the university ought to be able to fix a pay-scale of 550-900, equivalent to that of "superintendent" in administration. By 1978 we may need 2 or 3 more mathematical typist (possibly with some pay-scale distinction), and also a well-qualified secretary (in a still better pay-scale).

7. BUDGET ESTIMATE FOR 1976-77

(i) Teaching-cum-research staff salaries:

Present :- 1 Professor + 2 Readers + 5 Lecturers
New :- 1 " + 5 " + 4 "

2 Professors	@ Rs. 25000	= Rs.	50000	
7 Readers	@ 20000	=	140000	
9 Lecturers	@ 16000	=	144000	Rs.334,000

(ii) Office staff salaries:

Present :- 2 Stenotypists (including 1 vacant, recently sanctioned)
New :- 1 Mathematical Typist + 1 Stenographer

1 Stenographer	@ Rs. 9000	= Rs.	9000	
1 Mathematical Typist	@ 11000	=	11000	
2 Stenotypists	@ 7000	=	14000	
2 Machine Operators	@ 8000	=	16000	Rs.50,000

Contd...16

(iii) Departmental Library Staff salaries:
(All new posts)

1 Asstt.Librarian/ Professional Assistant	Rs. 12000	
1 Junior Library Assistant	7000	
1 Library Attendant	5000	Rs. 24,000

(iv) Lower subordinate staff salaries:
(inclo. new request for 1 Mali-cum-Peon)

1 Peon	Rs. 5000	
1 Mali-cum-Peon	5000	
1 Mali-cum-Chowkidar	5000	
1 Part-time Sweeper	1000	Rs. 16,000

(v) Scholarships and Studentships (specially attached to Math.Dept.)

(All new requests; the numbers shown are rather low because we expect our quota from other sources, including the fellowships of NEHU, UGC, etc.)

2 Postdoctoral	@ 13000	Rs. 26000	
3 Predoctoral	@ 10000	30000	
10 M.Sc.(Hons)	@ 3000	30000	Rs. 86,000

(vi) Travel :

For outside experts	Rs. 8000	
" interviewees	12000	
" attending conferences etc.within-in India	9000	
" international meetings	9000	
" foreign visitors	9000	Rs. 47,000

(vii) Departmental Library:

Books (Recurring 60000 Nonrecurring 90000)	Rs. 150000	
Journals-Current (recurring)	60000	
" -Back Volumes (non-recurring)	150000	
Library incidentals (incl. binding)	20000	Rs. 380,000

(viii) Equipment:

Microfilm reader/printer	Rs. 15000	
Offset printing machine	15000	
Electric typewriter	10000	
Furnitures (office+classroom)	40000	
Glass Blackboards	10000	
Library shelves etc.	10000	Rs. 110,000

(ix) Departmental Contingency Rs. 3,000

Grand Total Rs. 10,50,000

Sd/-(Daya-Nand Verma.)

Agenda Item No. V (3)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 15 UD:SC:MATHS(8)/75
November 16,1975

NOTE FOR THE EXECUTIVE COUNCIL

The additional names suggested by the Head of Department of Mathematics to include in the list of Mathematics Selection Panel is given below. The list is placed before the Executive Council for their consideration and approval.

I. Existing names

1. Dr U.N.Singh, Delhi University, Delhi 7.
2. Dr G.C.Patni, Rajasthan University, Jaipur.
3. Dr R.S.L.Srivastava, I.I.T., Kanpur.
4. Dr V.Singh, Punjabi University, Patiala.
5. Prof D.N.Misra, Sagar University, Sagar.
6. Prof M.C.Chaki, Calcutta University, Calcutta.
7. Prof M.Venkatraman, Madurai University, Madurai.

II. Suggested additional names

1.	Prof S.Abhyankar	(Purdue Univ/ Poona/TIFR)
2.	Prof R.P.Bambah	(Chandigarh)
3.	Prof T.S.Bhanumurthy	(Madras Univ)
4.	Prof P.B.Bhattacharya	(Delhi Univ)
5.	Prof Ramesh Gangolli	(Seattle)
6.	Prof G.V.Krishna Rao	(I.I.T.Kanpur)
7.	Prof I.B.S.Passi	(Kurukshetra)
8.	Prof S.Patnaik	(I.I.T.Delhi)
9.	Prof S.Ramanan	(T.I.F.R.)
10.	Prof C.S.Seshadri	(T.I.F.R.)
11.	Prof B.L.Sharma	(Allahabad Univ)
12.	Prof S.S.Srikhande	(Bombay Univ)
13.	Prof Bhama Srinivasan	(Clark Univ)
14.	Prof V.S.Varadarajan	(U.C.L.A)

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Agenda Item No V (A)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 15 UD:SC:ECON/75
November 16,1975

NOTE FOR THE EXECUTIVE COUNCIL

Subject :- Additional name on the Panel of Economics Selection Committee.

When the Selection Committee in Economics was to meet on the 2nd September 1975 in New Delhi, one of the members on the Selection Committee was to be a specialist in Statistics. Since the specialists in Statistics on the approved Panel were not available on that day to attend the Committee, the Vice-Chancellor, in consultation with the Head of the Department of Economics, invited Dr K.L.Krishna of the Delhi School of Economics to sit on the Committee who is a specialist in Statistics.

The action taken by the Vice-Chancellor may kindly be ratified. The Executive Council may also kindly approve the inclusion of Dr K.L.Krishna on the Selection Panel for Economics.

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Agenda Item No. V (5)

39

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 15 UL:ECON(3)/75
November 8,1975

NOTE FOR THE EXECUTIVE COUNCIL

Subject :- Appointment of Prof S.Sarangapani on contract basis in the Department of Economics under Statute 21.

After the resignation of Dr H.L.Bhatia, Reader in Economics, the faculty strength in the Department was reduced to three -- one Reader and and two lecturers. With the Final Year M.A. commencing on the 4th of August and the Previous in the first week of September, the staff had to share all the classes between the three of them. Apart from the fact that three teachers found it difficult to handle the classes for both Final and Previous, it was found necessary in the interest of students, to appoint at least one more member in the Department.

It may also be mentioned that two posts of lecturers were advertised but the Selection Committee which met on the 2nd of September 1975 could not make any selection as the Committee was not satisfied with any of the eleven applicants who appeared at the interview.

In view of the circumstances stated above, the Vice-Chancellor had to take urgent steps to appoint at least one more person in the Department. The Vice-Chancellor, therefore, invited Prof S.Sarangapani, who had just retired from the Gauhati University as Professor and Head of Economics, to help out the Department at NEHU. Prof Sarangapani has accepted the offer and the Vice-Chancellor has appointed him, under Statute 21 of the Act in anticipation of the Executive Council's approval, on a contract basis for a year in the first instance on a consolidated pay of Rs. 1500/-per mensem.

Professor Sarangapani has joined the Department on the 1st of October. His bio-data is placed before the Executive Council for their kind perusal and information.

The matter is now placed before the Executive Council for their consideration. The Council may kindly ratify the action taken by the Vice-Chancellor under clause (3) of Section 12 of the Act.

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BIODATA OF PROF. S. SARANGAPANI

NAME: S. SARANGAPANI

ACADEMIC RECORD:

Brilliant Academic Career Throughout:

S.S.L.C:(Madras) First Division Marks (over 68%)

Intermediate (Madras University)	First Class, with Distinctions in 4 out of the 5 subjects
B.A. Honours (Econ) Madras University M.A. Madras University	First Class
All-India Financial Civil Service Exam or I.A.A.S.Examination	Highest Marks among all candidates in Economics & Essay (140/200 in Economics & 130/150 in Essay)

TEACHING EXPERIENCE:

Over 34 years of Teaching Experience, of which 27 years at Gauhati University where I was Prof. & Head of the Department of Economics.

RESEARCH EXPERIENCE:

1944-48	Directed a number of village Surveys & Survey of Family Budgets.
1950-55	Worked on a Research Project on Urban Unemployment sponsored by the Research Programme Committee, Planning Commission, Govt. of India.
1956-58	Directed a Research study on Community Development.
1962-64	Directed a Research study on Oil Refinery.
1966-	Worked on a UNESCO Research study on Literacy and Economic Development.
1968-69	Worked on Transport Survey of the Lower Brahmaputra Valley, sponsored by the Railway Ministry, Govt. of India.
1970-71	Directed a Research Project on Credit needs of Small Industries, sponsored by the Banking Commission, Govt. of India.

1972 Directed a study Tour on the Economy of Bangladesh

1972-73 Directed a Research study of Unemployment in Select Regions of Assam on behalf of the Expert Committee on Unemployment, Govt. of India.

1974-75 Directed a Survey of Consumer Exoenditure.

1975- Directed a Study Tour on the Economy of Nepal.

RESEARCH GUIDANCE:

Thirty Research Candidates registered for Ph.D. under my Guidance.

Six Candidates already obtained Ph.D.

Two more will be having their Ph.D. viva this month.

Two more are typing their thesis for submission.

The others have made substantial Progress in their thesis work.

Some of the Topics on which thesis work has been guided by me:

Economic Development of Assam.

Population trends in Assam.

Economic Development of Tripura.

Budgetery trends in Manipur.

A Socio-Economic Survey of a Growth Centre in Meghalaya.

Prices and Cost of Living in Assam.

Public Expenditure in Assam.

Industrial Policy of the Government of India.

Role of Foreign Aid in India's Economic Development.

Economic Development of Manipur.

A Critical study of Assam's Plans - an Econometric Approach.

Agricultural Development in Manipur.

Tax Structure in Assam.

Economy of Meghalaya.

Measurement of Fertility in Assam.

IMPORTANT RESEARCH PUBLICATIONS:

Report on Urban Employment and Unemployment. - Published by Baptist Mission Press, Calcutta.

Report on Adult Literacy - Mimeographed by UNESCO, Paris.

Report on Transport Survey - Published by Railway Ministry, Government of India.

Report on Small Industries - Published as a Technical Report by Banking Commission, Government of India.

Research stydy on Unemployment in Select Regions of Assam - Incorporated in the Bhagawati Committee Report, Govt. of India.

Resources Mobilization in Assam - Published in 'Commerce'.

Paper on Teaching of Economics - Published by the Indian Economic Association.

A Review Article : Published by India Quarterly.

Seminar Paper on Economic Development of the North Eastern Reion - Published by NCERT.

Paper on Human Capital Formation - Published in Assam Economic Review.

Paper on Small Enterprises in Assam - Published in the Souvenir Volume of Indian Economic Conference, 1970.

Paper on Inflation in India - Submitted to the Planning Commission.

Memorandum to Finance Commission.

Memorandum to the Prime Minister Submitted by leading Economists of India: One of the Contributors.
Two Chapters in District Gazetteer, Kamrup.

Draft Fifth Five Year Plan of Assam - Contributed some Chapters.

Report of Assam Pay Commission - Joint Author.

Report on Consumption Pattern in Gauhati.

Report on Demographic Aspects of Industrial Workers in Gauhati.

Seminar pPaper on Umenployment.

Seminar Paper on Population and Economic Development - Published by The Gauhati University.

Dozens of All-India Radio Broadcast talks on Economic Topics.

Over Four Thousand Editorials on Economics Topics in the Assam Tribune.

Participated in Several Discussions at Indian Economic Conferences.

Participated in the Conference of ICSSR Review Committee.

Guest Speaker at Several Rotary and Lions Club Meetings.

Prepared the Economic background paper for Assam Pradesh Congress Committee Meetings.

POSITIONS HELD:

Economic Consultant, UNESCO, Paris.

Economic Adviser, State Planning Board, Govt. of Assam.

Member State Planning Board, Govt. of Assam.

Expert Member State Planning Board, Govt. of Meghalaya.

Member: Taxation & Resources Enquiry Committee, Govt. of Meghalaya.

Member: Assam Pay Commission.

Adviser, IAS Examinations.

Executive Member: Indian Economic Association.

Local Secretary : Indian Economic Conference, 1970.

Member: Gauhati University, Pay Committee.

Expert, Selection Committee, Dibrugarh University.

Expert, Selection Committee, Assam Agricultural University.

Expert, Selection Committee, Gauhati Agricultural University.

Expert, Assam Public Service Commission.

Adviser, Bihar Public Service Commission.

Member, Central Executive, University Planning Forums, New Delhi.

Chairman: Text Book Production Committee for Economics, G.U.

Chairman: U.G.C. Workshop in Economics, G.U.

Chairman: Committee of Courses & Studies in Economics, G.U.

Director of Several Research Projects.

Head Examiner in Economics, G.U.

Examiner for Ph.D. Thesis.

Examiner for Public Service Commissions of Assam, Nagaland.

Examiner , IAS.

Examiner for M.A. of Bihar, Dibrugarh, Ranchi, Orissa, Gauhati, Punjab, Jabalpur Universities.

EMOLUMENTS:

Rs 1600	(as per revised scale which came into effect from April 1, 1973).
+ 50	(House Rent Allowance against Rs 72/- House Rent (i.e., practically free housing)
+ 375	Honoratium (regularly every month)
2025	

Sd/-

S. SARANGPANI

Agenda Item No. V (6)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

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No.VCF 15 UD:SC:Bot/75
November 14,1975

NOTE FOR THE EXECUTIVE COUNCIL

Subject :- Appointment of Dr M.L.H.Kaul as Reader in the Department of Botany.

The Selection Committee to select one Reader and two lecturers in Botany met in New Delhi on 16th of August 1975. When the posts were advertised, besides other qualifications, the specialization that was desired was Plant Physiology or Cyto-genetics. The Selection Committee decided to place Dr A.N. Purohit with specialization in Plant Physiology as No.1 and Dr M.L.H.Kaul with specialization in Cyto-genetics as No.2 against the Reader's Post. The object of this recommendation was to appoint Dr Kaul in case Dr Purohit was not able to join. The Committee selected one Lecturer who was found suitable but they could not find any suitable candidate in Cyto-genetics so the other post of Lectures was kept vacant.

Dr A.N.Purohit accepted the appointment and joined the University so at that stage there was no idea of appointing Dr Kaul.

Soon after, Dr(Mrs)R.P.M.Bordoloi who was Reader in Botany with Algology as her specialization, resigned from her post and, therefore, one Reader's position fell vacant in the Department. With the resignation of Dr(Mrs)Bordoloi, the Department had to face a situation where there was neither a Cyto-geneticist nor an Algology specialist. The need of the Department was pressing as both the Previous and Final classes are in Session. Since Dr M.L.H.Kaul was already in the Panel and found suitable for appointment by the duly constituted Selection Commitee and since the Department was in need of a Cyto-geneticist who could collaborate in the teaching and research programmes in Forest Biology, the Vice-Chancellor, in anticipation of the approval of the Executive Council, appointed Dr M.L.H.Kaul as Reader.

The matter is now placed before the Executive Council as to whether they would like to treat this appointment as a recommendation of the duly constituted Selection Committee or whether it should be treated as an appointment made under Statute 21.

Dr Kaul's bio-data is appended herewith.

Submitted for the consideration and approval of the Executive Council.

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Biodata of Dr M.L.H.Kaul

Name: M.L.H.Kaul

Birth date: 20.1.1941

Address: Botany Department, Kurukshetra University
Kurukshetra, India.

Religion: Hindu, Brahmin.

Educational qualifications:

Examination	Division	Year	University	Major Subjects
Matriculation	2nd	1955	Jammu and Kashmir	Science, English Maths, Physiology, General Knowledge.
B.Sc.	2nd	1959	(as above)	Botany, Zoology, Chemistry & English.
M.Sc	2nd	1962	Agra	Botany.
Specialization		1962	Agra	Cytogenetics, Breeding and Biometrics.
Ph.D.		1965	Banaras	Cytogenetics and Ecology.
German language	1st	1973	Goethe Inst. West Germany	Grundstuffe II.
Advanced courses		1973-1974	Bonn University West Germany	Genetics, Breeding, Biometrics, Ecology.

Research experience:

From 1962-1963 worked on cytogenetic improvement of medicinal plants. From 1963-65 worked for Ph.D. degree on Cytogenetics and ecology of medicinal plants. From 1966-67 worked on forestry seed plants. From 1968 to date working on the project entitled "Cytogenetic improvement of rice and pea". From 1972-74 July, worked u on the cytogenetics of mutated genes of pea at Institute of Genetics, Bonn, West Germany.

Total research experience: 13 years

Published research papers: 85 (67 independent 18 joint)

Research guidance for a degree:

Guided two theses in forestry (1967,1968) and one Ph.D. thesis in mutation genetics and breeding of rice (1974). Presently guiding one Ph.D. student in Genetics.

Teaching experience: At Jammu and Kashmir University taught Genetics and Breeding to M.Sc. and B.Sc. students at Banaras Hindu University. From 1965-66 worked as Lecturer in Botany at Hans Raj College, Delhi University, Delhi. From 1966-68 taught Genetics, Breeding and Biometrics to Indian forestry students at F.R.I. and Colleges, Dehra Dun. From 1968 to date working as Lecturer in Botany Department at Kurukshtra University and teaching the general and special paper on Cytogenetics, breeding and biometrics to M.Sc. students.

Total teaching experience : 11 years

Reviewer and refree: For the Journals Theoretical and Applied Genetics West Germany, Current Science, Science and Culture, Genetic Society of India, Seed Sci. and Technology, India.

List of Publications of Dr M.L.H.Kaul (Independent)

1. A diploid Parthenium in Jammu. Curr. Sci. 33 (6), 1963
2. Chromosome number in some medicinal Composites. Proc. Ind. Acad. Sci. 3, 1964, 72-77
3. Karyotype of Chrysanthemum cineraraefolium. Proc.Nat.Acad. Sci. 3,309-312, 1964
4. Cytology of some Compositics. Jr.Sci.Res.(B.H.U.), LIV, 20-22., 1964
5. Natural polyploidy in Rauwolfia serpentina. Ibid 110-112, 1964
6. Cytomorohological survey of Indian Artemisias. Ibid, 103-110,1964
7. Cytology of triploid Taraxacum officinale. Regional Research Laboratory Bulletin (C.S.I.R. India), Jammu. 1-15. 1964
8. Cytology of Mecardonia dianthera (SW) Pennel. Sci. & Cult, 372-73, 1965
9. Cytogenetics of polyploids. I. Cytology of Artemisia vulgaris Linn. Cytologis, International Jr. of Cytology,Japan 29, 407-409, 1965
10. II. Cytology of Artemisia maritima Linn. Cytologia 30,1-14,1965
11. Genecological studies in Artemisia vulgaris Linn. Jr.Sci.Res. (B.U.S.) 104-119, 1965

12. Cytoecology of medicinal plants. I. Common occurrence and associates of Ageratum conyzoides Linn. Ibid 269-275, 1975

13. II. Common occurence and associates of Argemone mexicana Linn. Ibid, 305-307, 1965

14. III. Common occurrence and associates of Mecardonia dianthera. Ibid, 297-304, 1965

15. Modern trends in ecology and its perspective, Ibid, 36-44,1965

16. Nucleolar budding in Argemone mexicana Linn. Sci. & Cult.,Sept.,1966

17. Tapetal cell division in Argemone mexicana Linn. Ibid. Oct., 1966

18. Ageratum conyzoides Linn. complex in India. Proc.Nat.Acad.Sci., 36B, [illegible]. 1966

19. Seed dormancy. Proc.XI all India Siva Conf., VH, 1-6, 1967

20. Seed germination. Ibid,.7-12, 1967

21. Notes on Indian Forestry Seeds. I. Collection, testing,equipment, terminology, and references. F.R.I. & Colleges, Seeds Publ.,1-15 1967

22. Studies on Mecardonia dianthera. II. Population differentiation-Recognition of ecads. Proc.Nat.Acad. Sci. 37, III, 304-312, 1967

23. Studies on edaphic ecotypes of Mecardonia dianthera,I.Seed germination and storage. Ibid 1967.

24. II. Seeds, seedlings, reproductive and aggressive capacity. Ibid, 361-364, 1967

25. A new procedure for staining chromosomes and nucleolus of Argemone mexicana Linn. Jr.Sci.Res. (B.U.U.), XVII (2), 21-28, 1967

26. Floral biology, pollen morphology and cytogenetics of Taraxum officinale. Ibid, 82-96, 1967

27. Cytogenetics of Polyploids. III. Dauermodifications in Ageratum conyzoides Cytologia, Japan. 32, 147-156, 1967

28. Studies on Ageratum conyzoides. Taxonomical and morphological studies. Jr. Sci.Res.(B.U.U.),XVII (1), 24-30, 1968

29. II. Distributional pattern. Ibid., 39-48, 1968

30. Studies on Agremone mexicana. Taxonomy and growth performance. Ibid., 1-15, 1968

31. Origin and distribution. Ibid., 87-95, 1968

32. III. Morphological nature of normal and abnormal plants. Ibid., 31-38, 1968

33. Studies on Mecardonia dianthera. I. Taxonomy and growth performance Ibid, 31-38, 1968

34. Studies on Indian forestry seeds. II. Storage and life span. F.R.I. Publ. Seeds,ii, 1-8, 1968

35. IV. Germination and viability, Ibid. 1-14, 1968

36. Studies on Argemone mexicana. IV. Phenology ,dispersal and stomata. Proc. Nat.Acad. Sci., 121-128, 1969

37. Cytogenetical studies and ecological races of Mecardonia dianthera. I. Cytology, floral biology and pollination mechanism. Cytologia 34, 169-178, 1969

38. II. Genetical and breeding behaviour. Cytologia 34,179-188,1969

39. Induced polyploidy in an ecotype. Sci. & Cult. 36,282-284,1970

40. Flora of Haryana. I. Compositae.Jr.Haryana studies,44-58, 1970

41. II. Grasses. Ibid, 45-74,1970

42. III. Grasses. Ibid, (in press)

43. IV. Aquatic angiosperms. Ibid

44. V. Monocots. Ibid

45. Cytogenetics of polyploids. Iv. Cytology, of photoperiodic ecotypes and cytotypes of Ageratum conyzoides. Cytologia 36, 421-434,1971

46. Studies on Argemone mexicana. Seeds, their morphology,physiology, output, germination and storage. Ind. Jr. Biol.Sci. 14,1971

47. Vi. Pollen morphology, floral biology and pollination mechanism. Indian Acad. Sci. 1972

48. VII. Edaphic facotrs, nitrophily and growth performance, Ibid,1972

49. Useful plants of Haryana-grasses. Haryana Rev.,special issue, Nov. 32-34, 1972

50. Mutagens and mutations: A molecular approach. Sci.& Cult. 38,236-39, 1972

51. Cytogenetics of polyploids. V. Induced breakdown in meiotic stability of Ageratum conyziodes. Cytologia (accepted, in press)

52. Studies on Ageratum conyziodes Linn. II. population differentiation. Ind. Jr. Biol. Sci., 14 (in press)

53. III. Germination pattern of photoperiodic ecotypes(Communicated)

54. IV. Seed germination. Ibid

56. Cytogenetical studies on ecological races of Mecardonia dianthera 3 induced polyploidy. Cytologia (in press)

57. Translocation in white Allium. Ibid

58. Desynpasis in white Onion. Ibid

59. Performance, interrelationships and heritability estimates of some morphological traits of Oryza sativa. J.Ind.bot.Soc.51 286-290 , 1973

60. Geneecology and evolutionary dynamics of Mecardonia dianthera Mehra Comm. volume, ed. P.Kachroo, 1972

61. Fertilizer response and correlation in Padma variety of rice. Ibid 161-165, 1973

Popular articles:
1. Notanists dream. Ind.For.Coll.Mag. 1968
2. Chemistry of a modern lady. Ibid, 1968
3. Never marry a scientist. Horizon,18-19,1970
4. Useful radiations. Ibid, 9-11, 1971

Joint Publications:

1. Viability and germination behaviour of Indian forestra seeds. Beitrage zur tropischen und subtropischen Landwirtschaft und Tropenveterinarmedizin 6,3,213-219, Germany

2. Preliminary report about TTC testing of 41 forestry seeds in India, Ibid, Germany, 285-289, 1969

3. Cytogenetic improvement of rice in Haryana. Agric. Coll.Mag. Karnal 1971

4. Correlations amongst seed characters in rice. Z. Acker - u. Pflanzenbau, W- Germany, 137,144-150, 1973

5. Host diversity and chromosomal polymorphism in Cuscuta. Sci. & Cult. 9, 403-404, 1973

6. Cytogenitical studies in Cuscuta reflexa. Cytologia, Japan (in press)

7. Studies in some genetic parameters in rice. Theoretical and Applied genetics, Germany, 44, 1974

8. Effect of ionizing radiations on dry matter production and pigment content in rice seedlings. Accepted, in press

9. Comparative effect of Gamma rays and two alkylating agents on root-shoot ratio in Oryza sativa seedlings. Seed. Sci.I Techn., England, 1973

10. Morphology and correlations among seed characters of 41 Feral millet varieties. Ind.Jr.Agri.Sci. 43,21-24, 1973

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11. Morphology and correlations among characters of 55 Pearl millet hybrids. J. Ind. bot. Soc. 51, , 1973

Research papers published in 1974-1975

INDEPENDENT

62. Impact os some mutant genes upon flower anomalies of cochleata muants of pea. Pisum News Letter, U.S.A., 6: 26, 1974

63. Cytogenetics of ecological races of Mercadonia dianthera. III. Induced polyploidy. Cytologia, Japan, 40: 11-22, 1975

64. Mutation- genetics studies in garden pea. I. Interaction of mutated genes. (communicated)

65. Mutation-genetics studies in rice. I. Impact of mutagens on bivariate correlations. Proc.Symp.on the Use of radiations and radioisotopes in agriculture and animal husbandry. N.R.L., Delhi, 1975

66. II. Seedling effects, cholophyll chimeras and morphological varients Ibid.

67. Cytogenetics of white Allum. I. Translocation heterozygosity. (communicated)

68. II. Desynapsis (Ibid)

JOINT

12. The cooperation of cochleata gene with other mutated genes of Pisum genome. Pisum News Letter USA., 6: 14-16, 1974

13. Investigation on the cooperation of mutated genes. II Floral structure and seed production of cochleata mutants and recombinants of Pisum sativam. Ber. Deutsch. Bot. Ges. , Germany: 86, 513-524, 1974

14. Effects of mutagens on rice seedlings. Proc. use of Isotopes and Radiations in Agrigulture and Animal Husbandry Research New Delhi 1971,265-277, 1974

15. Gamma ray induced long grain mutant in rice variety Jhona 349. Seed Research, Cambridge, England, 2: 56-58, 1974

16. Genetic control of microsprogenesis in higher plants. The Nucleus 17: 133-166, 1974

Total papers published:	Single	65	(Research papers)
		04	(Popular papers)
	Joint	16	(Research papers)
		85	

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INSTITUT FÜR GENETIK
DER UNIVERSITÄT BONN
DIREKTOR:
PROFESSOR DR. W. GOTTSCHALK

53 BONN, den
KIRSCHALLEE 1
TELEFON
735519

July 8th, 1974

Dr. M.L.H. Kaul, from the Khurukshetra University, has worked with me for a period of 16 months in the field of mutation research in higher plants. Moreover, we prepared together some publications, especially a voluminous research paper on the genetic control of male sterility.

During his stay at our institute, Dr. Kaul was an extraordinarily diligent and reliable co-worker. He has a very profound knowledge in the whole field of genetics, cytology and cytogenetics; therefore, he is able to work independently upon all kinds of research projects in the above mentioned fields. Because of his experiences and scientific productivity he is able to supervise groups of younger colleagues and to organise a modern and prospective research work. As a colleague, he is interested in all kinds of co-operation and he fullfills satisfactorily all responsibilities assigned to him. Because of my favourable experiences, I am very interested in further close co-operation in research with him. He would be an ideal counterpart for a joint working progeamme in the field of gene ecology and mutagenesis.

I wish him all success in his professional carrier.

(Professor Dr. Gottschalk)

KURUKSHETRA UNIVERSITY
KURUKSHETRA (INDIA)

Ref. No. _____

Date 9.4.1974.

Itgives me great pleasure in testifying to the ability of Dr. M.L.H. Kaul who has been a colleague of mine in this department and who is at present on leave and is now doing research work at the Institute fur Genetik, der University Bonn (West Germany). Dr. Kaul was teaching (from Sept. 1968 to Dec. 1972) General and Special papers on Cytology, Breeding & Statistics to M.Sc. students of this department. Dr. Kaul has a large number of publication to his credit in the field of Cytology and Cytogenetics, Plant Breeding, Zoology, Seed Technology etc. One of his students is submitting his Ph.D. thesis. The thesis is entitled "Studies on Induced Mutations in Rices". Dr. Kaul is a diligent and hard working man and possesses charming behaviour and pleasing manners. As far as I understand he has earned a good reputation in the area in which he is working.

I wish him success in his future career.

(R.S. Mehrotra)
Head of the Department of Botan

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ZERTIFIKAT DEUTSCH ALS FREMDSPRACHE

Herr / ~~Frau/Fräulein~~ Mohan Kaul

geboren am 20.7.44

in Indien

hat vor der Prüfungskommission des Goethe-Instituts

die Prüfung zum Zertifikat *Deutsch als Fremdsprache* abgelegt.

Das Ergebnis in den einzelnen Teilbereichen der Prüfung ergab das folgende Leistungsdiagramm, ausgedrückt in Prozentzahlen der maximal erreichbaren Punktezahl:

Rechtschreiben: 60 %

Schriftlicher Ausdruck: 87 %

Strukturen/Wortschatz: 63,3 %

Leseverstehen: 60 %

Hörverstehen: 60 %

Mündlicher Ausdruck: 57 %

Dieses Leistungsdiagramm ist keine Zertifikatsurkunde.

Ort Iserlohn den 28.3.73

Prüfungskommission



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Agenda Item No. V (7)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

VCF 22 In:NS(63)/75- November 20, 1975

NOTE FOR THE EXECUTIVE COUNCIL

Subject: Appointment of Dr N. Subrahmanian in the Department of History, NEHU.

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The bio-data of Dr N. Subrahmanian, Professor of History of Madurai University is placed below. As can be seen from the bio-data, Dr Subrahmanian will be a valuable asset to NEHU if he can be persuaded to accept a contract appointment for a period of one or two years. The new and developing Department of History of NEHU will benefit a great deal from his vast teaching and research experience. Since he will be retiring soon he may be willing to accept an appointment at NEHU.

The matter is placed before the Executive Council for their consideration. If approved, the Vice-Chancellor may be authorized to negotiate the appointment of Dr N. Subrahmanian under Statute 21 of the Act on a contract basis for a year or two in the first instance.

Submitted for consideration and approval.

-:o:-

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BIO-DATA OF
PROF N SUBRAHMANIAN, M.A.,Ph.D.
(PROFESSOR OF ANCIENT HISTORY, MADURAI UNIVERSITY)

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1. Name	N.SUBRAHMANIAN
2. Place of birth	Chidambaram (Tamilnadu) INDIA.
3. Date of birth	1.1.1961.
4. Citizen of ..	India.
5. Educational attainments ..	(a) B.A.(Hons) in History and Politics (Annamalai University) I Class I Rank Prizeman 1937.
	(b) M.A. in History and Politics (Annamalai University) I Class I Rank 1945.
	(c) Vidvan in Tamil - Madras University 1947 - II Class.
	(d) Ph.D in History - Annamalai University 1958.
6. Professional Career	(a) Sub-Editor - Tamil Encyclopaedia 1951-53.
	(b) Lecturer in History, A.M.Jain College 1953-59.
	(c) Lecturer in History, Madras University 1959-67.
	(d) Reader in History, Madras University 1967-70.
	(e) Professor of Ancient History, Madurai University 1970.
7. Foreign Visit ..	Visited London, U.K. to participate in an international conference on "Indian Tradition 1969".

Contd....2

8. Member of .. (a) The Executive Member of
i) The Madras Institute of Development Studies and
ii) The Institute of Historical Studies, Calcutta.

(b) The Senate and Academic Council of the Madurai University.

(c) The Secondary Education Board, Government of Tamilnadu.

(d) Tamilnadu Council of Historical Research.

(e) Indian History Congress.

(f) Chairman of Post-graduate Board of Studies, Madurai University.

9. Visiting Professor of History during March-April 1975 in the North-Eastern Hill University, Shillong.

10. President elect of Section I (Ancient India) of the Indian History Congress, Aligarh 1975.

11. Directed the seminar on Pandyan History, Madurai University, 1971.

12. Please vide Appendix for Books and Articles written.

13. Delivered the Krishnaswami Rao Endowment Lecture, Madurai University.

Given below are the lists of Books and Articles **Written** in English and Tamil by Prof N.Subrahmanian

I. BOOKS WRITTEN IN ENGLISH:

(1) Essays in Hindu Sociology 1975.

(2) Historiography 1974.

(3) History of South India (in collaboration with Dr P.N.Chopra and Dr T.K.Ravindran 1975).

(4) History of Tamilnad (Volume I) 1972.

(5) Introduction to the Cultural History of India.

(6) Man and His World (in collaboration with T.Dhanakoti) 1956.

Contd....3

(7) Modern Constitutions (in collaboration with Balakrishna Sastri).

(8) Modern Political Constitutions (Revision of Gilchrist's Work).

(9) Outline of Man and His World (Two parts) 1971, 1972.

(10) Political Science (in collaboration with Balakrishna Sastri).

(11) Pre-Pallavan Tamil Index 1966.

(12) Sangam Polity 1966 (Won the Tamilnadu Govt's Rs.1000/-prize).

II. BOOKS WRITTEN IN TAMIL:

(1) Africa (original in Tamil; was translated into Telugu and Malayalam also) 1965.

(2) Amarar N.Balarama Iyer Nurrandu Vila Veliyidu (contains his collection of works) 1975.

(3) Anandarangan Kovai (Editor) 1955.

(4) Chandraguptan 1967.

(5) India Panpattu Varalaru.

(6) India Varalaru (upto 13th century) 1964. (Won the Tamilnadu Govt's Rs.500/-prize)

(7) India Varalaru (from the 13th century to A.D. 1707) 1964.

(8) India Varalaru (upto A.D.1526) 1972.

(9) Kuttikkatturaigal (Excursive Essays) 1951.

(10) Motchagundam Visvesuvarayya 1961.

(11) Pandaiya Indiya Arasiyal AtchiNilaiyangal 1973.

(12) Paranar 1975.

(13) Paridimar Kalaignar Nurrandu Vila Malar 1970.

(14) Pulavar Manigal 1951.

(15) Suriyanarayana Sastriar, V.G.(Biography) 1950.

(16) Tamilarin Porkalam 1959.

(17) Tamil Nattin Talai Nagarangal 1954.

(18) Tamil Punjolai 1961.

Contd....4

(19) Valluvarum Vaymoliyum 1960.

(20) Varalarru Nul 1967.

(21) Varalarrupperumakkal 1953.

(22) Vira Pittirangal 1953.

(23) Arathin Verri.

III. ARTICLES WRITTEN IN ENGLISH:

(1) Adiyar 1964.

(2) Administrative Arrangements in Sangam Polity 1960.

(3) Art of Dance in the Sangam Age 1968.

(4) Avifauna of the Tamil Country 1968.

(5) Brahmin in the Tamil Country 1968.

(6) Caste in the Tamil Country 1964.

(7) Cheras (in the Handbook of Archaeology).

(8) Cheras (in the Kannada Encyclopaedin).

(9) Chidambaram Pillai, V.O.- the Historical Legacy.

(10) Colophons of the Padirrupattu 1963.

(11) Content Analysis of the Tamil Brahmi Inscriptions (in collaboration with R.Rajalakshmi) 1973.

(12) Cultural contacts between Tamilnad and South East Asia through the ages.

(13) Democracy: Britain and India.

(14) Ethical element in Les Miserables 1967.

(15) Evolution of Social structure in Tamilaham.

(16) Freedom: India and the West 1964.

(17) Gandhi - An Assessment.

(18) Hinduism and Secularism (two parts).

(19) Hinduism at the Cross-roads.

(20) Hindu responses to ancient and medieval western challenges 1974.

(21) Hindu Tripod 1965.

(22) Historical writings on the Indian Nationalist Movement: Tamilnad.

Contd....5

(23) Historiography : India and the West,1969.

(24) Influence of Sanskrit on Tamil language and Literature.

(25) Inhibiting factors in Indian Society,1972.

(26) Inter-State relations among the ancient Tamils,1964.

(27) Kosars,1962.

(28) Kulala Community (a pamphlet) 1969.

(29) Law and Social Change, a historical prospective.

(30) Literary Criticism.

(31) Malaiyar,1966.

(32) Maritime habits of the ancient and medieval Tamils,1965.

(33) Marriage among the Tamils in ancient times.

(34) Methodology of writing patriotic history (in collaboration with R.Rajalakshmi).

(35) Mode of public decisions in Tamilnad.

(36) Moon in Hindu and other human traditions.

(37) North and South : Contact and adjustment - ancient period.

(38) Origin of the Hoysalas.

(39) Perunjorru Udiyan Cheral Adan,1963.

(40) Philosophy and social conflict.

(41) Philosophy of the U N E S C O.

(42) Political philosophy of the ancient Tamils.

(43) Poverty - some methodological issues in the study of history.

(44) Poysalas,1964.

(45) Presidential Address, Indian History Congress, Section I, Dec.1975.

(46) Pulindas.

(47) Purushakara theme and the role of Christ,1962.

(48) Ramadas, a historian's view of.

(49) Relevance of Intellectualism to the study of history,1971.

Contd.....6

(50) Sankara and the Vedantist movement.

(51) Second International Tamil Conference (Review Article) 1969.

(52) Social and religious movements in the 19th and 20th centuries.

(53) Some early coins of Tamilaham (in collaboration with K.V.Raman) 1972.

(54) Some reflections on Democracy.

(55) Sports of Siva and the Lady of the City, 1974.

(56) Status of women in Ancient Tamilahma, 1960.

(57) Tamilaham and the Southern boundary of the Asokan Empire.

(58) Tamil Political Text : Tolkappiyam, 1964.

(59) Tamil Political Text : Four hundred proverbs, 1964.

(60) Tirukkural and Western Political Thought.

(61) Territorial limits of Tamilaham of the Sangam Age, 1961.

(62) Tradition of Ramalinga in the History of Indian Thought and Religion.

(63) Tragic theme in Tamil literature, 1969.

(64) Understanding ancient India (review article) 1964.

(65) Vedic sacrifices in Tamilaham (Sangma Age) 1970.

(66) Worship of Mather Goddess as gleaned from Tamil Literature, 1972.

IV. 15 articles contributed to the Dictionary of Nationalist Biography.

V. Articles Written in Tamil:

(1) Indu Madam (Serialisem since March, 1975 in Indu Mittiran) 1975.

(2) Innal Ilanko.

(3) Kadavul Valttuppadiya Perundevanar, 1963.

(4) Kakka Porula ....., 1967.

(5) Niyayam Ennum Uvamai Vagai, 1965.

(6) Orum oruvum, 1966.

(7) Pandaittamilagattu Magalir Nilai, 1969.

Contd.....7

(8) Pandaittamilar peyaridu murai,1961.

(9) Paridimarkalaignarum Nadagattamilum,1970.

(10) Tamilagattukkulalar Kulattonmai (a pamphlet) 1969.

(11) Tingal (two parts).

(12) Tolkappiyamum Pandaittamil Eluttukkalum (in collaboration with C.Krishnamurthi) 1966.

(13) Valluvarum Vallalarum.

(14) Varalaru - Tamilil Mudiyum, 1967.

(15) Varalaru Varaiviyal, 1969.

VI. 20 articles contributed to Kalaikalanjiyam (Tamil Encyclopaedia).

VII. Author of 22 poems, 1 play, 5 short stories, and 16 essays in Tamil.

VIII. Prof N Subrahmanian proposes to bring out the following works in due course.

(A) E N G L I S H:-

(1) Biographies of Suryanarayana Sastriar, V.G. and his chief disciple Balarama Iyer, N.

(2) Collected papers in English.

(3) Evolution of Tamil Polity.

(4) History of Tamil Literature.

(5) Historiography in Tamilnad.

(6) History of Tamilnad (Volume II).

(7) History of the Tamils (a six volume project).

(8) Non-epigraphic source material for medieval Tamil History, (A.D.600 to A.D.1300).

(9) Rajaraja I, the Chola Monarch.

(10) Renaissance of Tamil Letters.

(11) Sources for Tamil History (Upto A.D.600).

(12) The Hindu Art, an appraisal.

(13) Tirukkural Concerdance.

Contd....8

(B) T A M I L :-

(1) Arstotle's Poetics (Translation).

(2) Collected papers in Tamil.

(3) Poetical, Dramatic and Prose works of Balarama Iyer, N. in three volumes (Edition).

(4) Poetical works of Avvaiyar (Edition).

(5) Poetical works of Kapilar (Edition).

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Agenda Item No. V (8)

NORTH EASTERN HILL UNIVERSITY
SHILLONG-793 001

...

Minutes of the meeting of the Representatives of the Education Departments of Meghalaya and Nagaland Governments held at the Vice-Chancellor's Room at 10.45 A.M. on Tuesday, the 23rd Sept.,'75.

The meeting was attended by:

1. Dr. C.D.S. Devanesen
   Vice-Chancellor, NEHU
   Shillong.

2. Shri J M Phira, IAS
   Education Secretary
   Govt. of Meghalaya
   Shillong.

3. Shri V.S. Jafa, IAS,
   Director of Public Instruction
   Meghalaya, Shillong.

4. Shri O. Kathipri
   Education Secretary
   Govt. of Nagaland
   Kohima.

5. Prof. Kirenwati Ao, M.A.,
   Principal, Science College,
   Kohima, Nagaland.

6. Dr. K J Joseph
   Principal
   Nagaland School of Education
   Kohima.

7. Dr. R. George Michael
   Dean, School of Life Sciences
   NEHU, Shillong.

8. Shri T.K. Tochhawng
   Officer-on-Special Duty(Admn)
   NEHU, Shillong.

9. Shri C.C.David
   Officer-on-Special Duty(A & E)
   NEHU, Shillong.

The meeting began with a short speech by the Vice-Chancellor explaining the purpose of the meeting.

It was regretted that the Secretary of Education, Mizoram, was unable to be present owing to unavoidable circumstances.

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The first item to be discussed was the introduction of an uniform pattern of Education with particular reference to the proposed National Pattern of 10+2+3 years.

The representatives of the Meghalaya Government said that they have already set up a Commission with the Vice-Chancellor of the NEHU as its Chairman to review the whole pattern of Education in Meghalaya. They added that the take-over of the P.U. Course from the Colleges was accepted in principle. The P.U. Courses will either be added to the High Schools or allowed to continue in the existing colleges themselves under the control of the Government. The financial implications of this scheme are being considered and the possibility of getting more subsidy from the Central Government is being explored for this purpose. The representaives of the Nagaland Government said they had also set up a committee to study this scheme. As they are already overburdened with the expenditure involved in their Pre-primary Education of 2 years and School Education of 10 years they felt that it was too early for them to consider the taking over of the responsibilities of running the P.U. Course as well. They also felt that they did not have sufficient technical institutes where they could channelise those who pass the Higher Secondary Examination after 12 years of schooling.

However, representatives of both the Governments agreed to begin work on the modification of their ten-year school syllabi in conformity with the recommendations of the NCERT with a view to dovetailing it with the modified syllabus prepared by the NCERT for the 2 year P.U. Course.

The views of the Mizoram Government are set forth in a letter addressed to the Vice-Chancellor (Vide Appendix I).

As regards the introduction of the 3 year Degree Course, both States agreed that it should be done so that students taking Degrees from NEHU may not be handicapped in getting admission in other Universities.

In this connection, the Vice-Chancellor assured the members present that in the forthcoming conference of the Vice-Chancellors of

...P. 3

all the four Universities of the North-East India he would try to arrive at a consensus of opinion for simultaneous introduction of the Three-Year Degree Course in all these Universities.

The Vice-Chancellor also mentioned that at the Conference he will focus attention on the need to form a separate North-Eastern Zone for Inter-University Sports.

Another suggestion that came up for discussion was to explore the possibility of introducing a Three-Year Honours Course while retaining the present Two-Year Pass Course. It was suggested that this question also may be discussed at the proposed Vice-Chancellors' Conference.

It was suggested that effective steps must be taken to run refresher courses etc for college teachers for handling the subjects according to the proposed Three-year pattern before its implementation.

During discussions on the choice of suitable locations for the various Post-Graduate Centres of NEHU, the Vice-Chancellor invited the views of the two Governments. At present, the nucleus of an Education Faculty in the form of a Teachers' Training College is already established at Kohima. NEHU has provided one Advisor and one Reader for the same. Similarly at Aizawl the University has provided one Advisor to the Mizoram Institute of Education.

The representatives of the Government of Meghalaya suggested that the question of locating the various Faculties of NEHU should be discussed and decided at a meeting of the Chief Ministers of the three States. The Secretary, Department of Education, Government of Nagaland, was of the opinion that some of the projected faculties of NEHU could be established in the Kohima Campus though duplication should be avoided as far as possible. In this context, it was felt by the members present that the School of Environmental Sciences may be set up at Kohima Campus, since Geology is offered by the Kohima Science College for the B.Sc. The Secretary further stated that the students from Nagaland are finding it difficult to get admission in Medical, Veterinary and

...P. 4

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Engineering Colleges in other Universities. In view of this he suggested that the Medical, Agricultural and the Veterinary Faculties should be set up as early as possible. He pointed out that their Legislative Assembly had already passed a resolution to this effect. He explained that even when the Naga students are successful in gaining admission into Professional Colleges they find it difficult to adjust to the medium of instruction which is becoming regionalised in most of these institutions.

The Vice-Chancellor explained the difficulties in finding suitable qualified teachers to take up the work at various centres and also the huge financial implications involved. He pointed out that even in Shillong most of the Departments are yet to be consolidated to become fully functional. He also mentioned that once these Departments are established, they will spread their activities to the other States. He however assured that he was doing his best to initiate Post-Graduate Courses in Education in Nagaland from the next academic year. He also announced that the newly appointed Director of Continuing Education, Prof.L.R.Shah, will shortly visit Nagaland and Mizoram to explore the possibilities of establishing centres of Continuing Education in these two States. The Vice-Chancellor requested the Nagaland Government to make available a suitable building in Kohima town for opening a Centre of Continuing Education.

The Vice-Chancellor made mention of a proposal by the School of Life Sciences to take up Hydrobiological Studies in the States of Meghalaya, Mizoram and Nagaland as a phased programme. When this programme is implemented there will be centres in each of these States to work out these research problems. Under this scheme, Research Scholars will work in Nagaland and Mizoram. They will interact with the local colleges in their teaching research programmes.

There was a general discussion regarding the setting up of the other faculties in subjects like Medicine, Animal Husbandry, Agriculture, Forestry, Engineering, Business Administration and Environmental Sciences besides Education and Continuing Education. Though the general opinion was not to duplicate Departments in the different Campuses,

..P.5

the Vice-Chancellor pointed out that some units will have to be duplicated in the School of Education, School of Languages and Deptt of Continuing Education. It was, however, agreed that Schools which have been established in Shillong should continue where they are. But expert advice should be sought as to whether any of the remaining schools and Departments yet to be opened could be located in Kohima and Aizawl (Vide Appendix II)

The measures to be taken to improve collegiate education were discussed. The Vice-Chancellor pointed out the need for revising the scales of pay of the teachers in the affiliated colleges.He pleaded for uniformity in the scales of pay in all the three States. Representatives of Education Departments said that steps were being taken by their Governments to improve the salary scales of the college teachers. The Vice-Chancellor requested that the details of the proposed schemes of pay revision should be made available to the University.

The Vice-Chancellor expressed his satisfaction on the Report of the Nagaland College Principals' Conference on the measures to be taken for the general improvement of College Education by the revision of the various sullabi and the introduction of Examination Reforms. He also explained the steps that are being taken by the University to convene a Conference of Principals of all the affiliated colleges some time in February, 1976, when concrete schemes are expected to be evolved for improvement in the quality of the existing system of collegiate education in the North-East. The Vice-Chancellor assured the members present that he is taking all the necessary steps with the U.G.C., the Central Government and other funding agencies within the country to put forth the claims of the North-Eastern Region for more sympathetic attention in granting greater financial aid for higher education.

The Vice-Chancellor, in thanking all those present, felt that a good beginning had been made through a frank exchange of views. He felt that after one or two more meetings to concretize the suggestions made the proposals would have to be taken up at a higher level in the three States before being presented to the authorities of the University who are competent to make the final decisions.

Shillong,
24th Sept.,'75

Sd/- Chandran D.S.Devanesen
Vice-Chancellor

Appendix-I

COPY

GOVERNMENT OF MIZORAM
EDUCATION & SOCIAL WELFARE DEPARTMENT

Confidential
23rd July, 1975
DO No.ECL.41/75/5

Dr G.N. Chatterji,
M.Sc., L.T., M.A., D.Litt.,
Secretary to Govt of Mizoram
Education Department

Dear Dr Devanesen,

I am to invite a reference to your confidential letter No.VCF.37/ACP-I/75-347 of 31st March, 1975 and this Department letter No.ECL.41/75/2 of 3.7.75 regarding the future of two-year Pre-University Course and state that this Government is strongly of the view that in dealing with the 10+2+3 pattern, the present arrangement of two-years P.U. Course being managed by the University should be continued and that the University should introduce vocationalization at this stage under their leadership.

With regard to the introduction of three years course at the first degree stage this Government is not agreeable to its introduction and wants the present two-years course to continue at this stage.

Yours sincerely,

Sd/-
G.N. Chatterji

Dr Chandran D.S. Devanesen,
M.A.(Cantab), Ph.D (Harvard)
Vice-Chancellor
NEHU, Shillong,
Meghalaya

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NORTH-EASTERN HILL UNIVERSITY

SHILLONG 793001

Appendix II

PROPOSED SCHOOLS IN THE UNIVERSITY

1. School of Languages	Already established at Shillong
2. School of Social Sciences	
3. School of Life Sciences	
4. School of Physical and Mathematical Sciences	
*5. School of Education	
6. School of Environmental Sciences	To be established
7. School of Medical Sciences	
8. School of Engineering Sciences	
9. School of Agricultural Sciences	
10. School of Creative Arts	

* With branches at Kohima and Aizawl

Agenda Item No. (V)(9)

NORTH-EASTERN HILL UNIVERSITY

SHILLONG-793001 81

No. A.14/EC/75-76/760/1649 12th November, 1975.

NOTES FOR THE EXECUTIVE COUNCIL

Sub:- Three-Year Degree Course - Introduction of.

At present the North-Eastern Hill University is having only Two-Year Degree Course for B.A./B.Sc./B.Com. (Pass & Honours). According to the National Pattern of Higher Education every University is expected to have a Three-Year Degree Course; and most of the Universities in the country have already introduced that scheme. The Gauhati University has also now decided to introduce the Three-Year Degree Course with effect from 1978. Under the circumstances it is necessary for us also to introduce the Three-Year Degree Course with effect from 1978-79.

The Executive Council may be pleased to consider this issue and express its opinion regarding the introduction of the Three-Year Degree Course (Pass and Honours) with effect from the Academic year 1978-79. The matter will also be taken up with the Academic Council.

C. C. DAVID
Officer on Special Duty
(Affiliations & Examinations)
12/11/75

CCD:VTJ/-

Agenda Item No. V (10) 83

NORTH-EASTERN HILL UNIVERSITY:SHILLONG
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NO.A.14/EC/75-76/784/1703, Shillong, the 15th November, 1975.

NOTES FOR THE EXECUTIVE COUNCIL

Sub:- Defence personnel stationed within the territorial jurisdiction of the North-Eastern Hill University - Private appearance at the Pre-University (Arts) and B.A. Examinations - Permission for.

Many members of the Defence Services stationed within the territorial jurisdiction of the North-Eastern Hill University have been requesting this University to permit them to appear privately for the Pre-University (Arts) and B.A. Examinations. The University of Gauhati is permitting them to appear privately for the Pre-University (Arts) Examination. Since it is felt that it will be only in the fitness of things if the North-Eastern Hill University provides some facilities for deserving members of the Armed Forces stationed within its territorial limits to appear privately for Pre-University (Arts) and B.A. (Pass) Examinations, as the female and teacher candidates are now permitted to do, the Executive Council may be pleased to consider the question of granting permission to appear privately for the above Examinations on production of a certificate from the concerned Officer-Commanding to the effect that the applicant is a bona fide member of the Defence personnel with two years of continuous service on the first of January of the year in which the candidate proposes to take the Examination.

C.C.DAVID
Officer on Special Duty
(Affiliations & Examinations)

15/11/75

CCD:LHL.

Agenda Item No. V (11) - 85

NORTH-EASTERN HILL UNIVERSITY:SHILLONG-793001.

NO.A.14/EC/75-76/587/1220, dated Shillong, the 25th September, 1975.

NOTE FOR THE EXECUTIVE COUNCIL

Sub:- Examination fees for Two-Year Degree Pass and Honours Examinations - Fixation of.

Formerly under the Three-Year Degree Scheme, there were Part I and Part II Examinations, for each of which we were collecting Rs.30/- (Rupees Thirty only) in respect of the Pass Examination and Rs.40/- (Rupees Forty only) in respect of the Honours Examination.

But, now with the introduction of the Two-Year Degree Scheme, there is only one Examination at the end of the Final Year. The total number of Papers, however, for the Final Examination is almost equal to the total number of Papers of both Part I and Part II Examinations of the Three-Year Degree Scheme put together. Hence the Vice-Chancellor has provisionally ordered that the Examination fees for the present Two-Year Degree Examination will be Rs.60/- (Rupees Sixty only) and Rs.80/- (Rupees Eighty only) for Pass and Honours respectively. The action taken by the Vice-Chancellor may kindly be ratified.

C.C.DAVID
Officer on Special Duty
(Affiliations & Examinations)

CCDLHL.

Agenda Item No. V (12)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793001

ONE YEAR CERTIFICATE COURSE
IN
SOCIAL WORK AND HEALTH EDUCATION

Notes for the Executive Council

VCF 32:G:SHS/75 18th November, 1975
VCF 15:UD:Con.Edn/75

Copies of certain correspondence and a report relating to the above proposed course (under the Department of Continuing Education) were circulated to Executive Council members for their information and consideration. (vide the Vice-Chancellor's letter VCF 32:G:SHS/75 - 1322 - 1335 dated 3rd June, 1975). An extract from the report giving the conclusions and recommendations, is attached for convenience of members.

As will have been seen from the foregoing, before instituting Diploma or Degree courses in Health Education, it is at present more practical and relevant to the needs of the zone, to establish a combined One-Year Certificate course in Social Work and Health Education.

The Certificate course has the following advantages: -

1. The entrance qualifications are less rigid.
2. The course setting being less elaborate, it is within the University's present scope.
3. The employments of Certificate holders present no problem, being automatically solved. (The candidates would be school teachers, and those involved in community development or some field of social welfare, on study leave for attending the course they would return to their respective employment and completing the course).

It has been widely accepted throughout the world that Health Education is essential to improve standard of personal and community health, and to enable health services to function most effectively. It is important to bear in mind that Health Education aims at bringing about changes in problems of behaviour for the achievement of positive health. Health Education does not content itself merely with imparting

knowledge of hygiene there has to be constant contact over a long period of time between the education and those to be educated. There is a vital need in our country to produce Health Educators in large numbers, and to ensure that they are employed to do the work they are trained.

Expert guidance and assistance for establishing the course has been assured to us by the Central Health Education Bureau , the Delhi school of Social Work and the World Health Organization. There would thus be reliable and adqueate inputs of professional competance .

To proceed further it now appears advisable to invite the following to hold discussions at an early date in Shillong with the University representatives, to formulate details of the Course : -

1. Dr (Mrs) S.K.Sandhu, Director, Central Health Education, Bureau.

2. Dr K.D.Gangrade, Director, Field Social Work, Delhi School of Social Work.

3. Dr C.H.Piyaratna, Regional Adviser for Health Education, World Health Organization.

If approved by the Executive Council they would be requested to prepare a draft scheme which will then be placed before the Executive Council/Academic Council.

This matter was placed before the Executive Council at its last meeting held on 26th July, 1975 but deferred owing to lack of time . It is placed again before the Council for their consideration.

NORTH-EASTERN HILL UNIVERSITY

Shillong 793001

ONE YEAR CERTIFICATE COURSE IN SOCIAL WORK AND HEALTH EDUCATION

An extract from the report giving the Conclusions and Recommendations.

It has been felt that the North-Eastern Hill University, by including Health Education programmes within the scope of its University Health Services, would be rendering a valuable service in social progress.

Two tentative schemes were discussed with consultants of the World Health Organization, the Central Health Education Bureau, and the Delhi School of Social Work:

1. A non-academic course in Health Education for post-graduate students.

2. A Diploma Course in Health Education under our Department of Continuing Education (assisted by the University Health Services), for producing trained Health Educators.

Health Education for Post-Graduate Students. W.H.O. and C.H.E.B. officials felt that a scheme for health education of post-graduate students by the University Health Services was sound and practical. Dr Sandhu of the C.H.E.B. pointed out that this would be a Health Education Service provided by the University Health Services, rather than a course, and felt that to launch the scheme, we would do well, if possible, to appoint two qualified health educators.

This Health Education Service could profitably be linked with students involvement in Health Work as part of schemes of general economic development, e.g. NSS schemes for rural upliftment.

If the scheme were extended to the whole University Community, wives of senior staff members could be invloved in health education of lower grade employees and their families.

Diploma Course in Health Education: The following important issues were raised:

1. In this zone, is there an assured employment potential for professional Health Educators?

2. Do we have the desired course-setting ? This consists of:

   (i) A Teaching Hospital (Medical College).

   (ii) A School of Social Work.

3. Are professional Health Educators required in the zone at this stage, or could an adequate practical service in health education be started by persons with a less sophisticated training ?

4. Would an adequate number of local candidates with the

required basic entrance qualification (an Honours degree in specified subjects) be forthcoming to join the course?

Alternative Para-medical Health Courses. Two alternatives to the Diploma Course (if considered not feasible at present) were suggested:

A. The establishment of a School of Social Work providing for a 2-year M.A. course in Social Work, incorporating one compulsory health subject to be chosen from two alternatives:

i) Health Education.

ii) Medical Social Work in Hospitals.

The advantages over the Diploma Course are:-

i) A simpler course-setting is involved.

ii) There may be a more ready employment potential for persons with a more general training.

The disadvantages are:

i) It may not be easy to meet the core-staff requirements at present.

ii) The trained personnel may be reluctant to serve in rural areas.

B. To introduce a 1-year Certificate Course in Social Work under the Department of Continuing Education. The syllabus would include a simple health education section relevant to community health problems of the zone.

The advantages over the previous schemes are:

i) A multi-purpose social worker has a better employment potential.

ii) Basic entrance qualifications need not be as exacting.

iii) Course-setting relatively simple.

iv) Core-staff more easily available.

v) Shorter duration of course.

vi) Persons with local leadership experience and the desired personality characteristics could join the course.

vii) The trained personnel are more likely to be willing to serve in rural areas.

viii) As and when circumstances warranted, the Certificate Course could be reorganised and upgraded to a Diploma or M.A. level, or perhaps to a Higher Certificate Course. This would involve less financial outlay at any particular time, the advancement of the course being a step-by-step process.

ix) As Health Educators, the trained workers could be adequate for working in the fields of the major community health problems,

which probably is the most pressing and immediate concern of society at large.

The disadvantage of the course is:

As a Health Educator, a Certificate holder's scope would be limited as compared with that of a Diploma Holder. A parallel to illustrate the significance of this, is the difference in scope between a mechanic and an engineer, or between a compounder and a physician.

The main issue is to produce Health Educators, by debating difficulties, one's vision must not be blurred or deviated into producing something else. Where employment potential is at present limited or non-existent, this must be created, not in despair to increase job opportunities for a handful of an exasperatingly fresh and irritating species of nouveaux educated-unemployed, but with enlightenment to utilise the servise of a valuable group of professionals. The creators of this employment potential must become aware of the essential service, at present largely lacking, which must be provided by health educators, and which can be provided by health educators alone.

Recommendations.

A. Health Education Service. The idea of student involvement in NSS health programmes as a motivating factor in their own health education, implies a broadening of the health education service beyond the post-graduate groups to include affiliated colleges having NSS units. The does not appear to me to present any major problem since in lieu of formal lectures we are already proposing to introduce a " correspondence course" technique to cope with numbers involved.

I would therefore recommend that a Health Education Service be provided at an early a date as possible for the University for the University Community as well as for affiliated colleges having NSS units. The dimension of the involvement should not deter us.

We should continue to be guided on the technical side of the scheme by the Central Health Education Bureau, Government of India, and the World Health Organisation.

B. Certificate Course under the Dept. of Continuing Education.

1. To assess employment potentials for:

   a. Social Workers with some health education training.

   b. Professional Health Educators.

   For this assessment, discussions should be held with appropriate Government Ministries of Nagaland, Mizoram and Meghalaya, Armed Forces authorities and private agencies and institutions. The persons concerned could perhaps be invited to a meeting by the Vice-Chancellor

2. If a decision is taken to start the certificate course, an

early assessment requires to be made of:

i) Basic entrance qualifications for candidates.

ii) The candidate intake per annum.

iii) The course-setting.

iv) The core staff.

v) The syllabus, training programme and method of examination.

vi) The "seat" allotment required for Nagaland, Mizoram, and Meghalaya respectively.

vii) Whether outside candidates could be accomodated.

viii) The budget requirements.

3. One modification to the suggestions recorded earlier could be usefully introduced. School teachers should receive a special Orientation in School Health Education

4. For more detailed assessment of the technical aspects, the following should be invited to a special consultative meeting in Shillong:

1. Dr (Mrs) S.K.Sandhu
2. Dr (Miss) I.D.Chitkara — of the C.H.E.B.
3. Dr (Miss) S. Israel
4. Dr V. Ramakrishna
5. Dr C. H. Piyaratna — of the W.H.O.
6. Col. P. Dayal — Ministry of Education.
7. Dr K.D. Gangrade — Delhi School of Social Work.

D.S. Guha

April 1st, 1975.

Agenda Item No. V(13) 93

NORTH-EASTERN HILL UNIVERSITY

Shillong 793001

VCF 7 GI:ZSI(10)/75
VCF 7 GI:BSI(11)/75

November 20, 1975

NOTES FOR THE EXECUTIVE COUNCIL

Subject: Requests from the Zoological and Botinical Surveys of India.

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1. Recognition of a proposed M.Sc Courseiin Zoology to be conducted at the Head Quarters of the Zoological Survey of India, Calcutta, by NEHU.

The Director, Zoological Survey of India has requested the Vice-Chancellor, NEHU, and the Dean of the School of Life Sciences, to consider the possibility of recognising an M.Sc Course in Zoology by NEHU to be conducted at the Head Quarters, Calcutta. The purpose of this Course is to help those of their employees who have a B.Sc(Pass) or (Honours) degree to improve their academic qualifications and scientific competence. A sub-committee was appointed in pursuance of the resolution of the Executive Council No. EC 4 74:31(f) consisting of the Vice-Chancellor, Dean of the School of Life Sciences, Professor of Botany and two external experts to consider this proposal (along with other requests from ZSI and BSI). The Minutes of this Sub-Committee are attached herewith (Annexure I). The Committee after careful consideration of the proposal, decided to request the Zoological Survey of India to submit a detailed proposal for the above course. The regulationsand the syllabi for the M.Sc course in Zoology submitted by the ZSI are appended (Annexure II).

The question of granting the affiliation to this course by NEHU invloves problems like maintaining uniformity of standards, both in teaching and evaluation, commensurate with those of NEHU.

It is, therefore, requested that the Executive Council may please consider the request of the ZSI in the light of all the aspects stated above as also in view of the report of the sub-committee.

Submitted for the consideration of the Executive Council.

2. Recognition of the Regional Stations of the Zoological and Botanical Surveys of India in Shillong as centres for higher research.

The same Sub-Committee reviewed the above request by both the Zoological Survey of India and the Botanical Survey of India and suggested that NEHU might consider these regional stations for higher research provided the terms and conditions stipulated for Research Fellows in NEHU are also applicable to the candidates from ZSI and BSI as far as possible. The Committee also decided that the guide at these stations should be recognised on their individual merit and the work of the candidate should also be jointly supervised by one staff member from

the University. When these recommendations were referred to the Officers-in-charge of these regional stations, they have questioned the need for the appointment of a co-supervisor from NEHU and also requested that each guide should be recognised once and for all and not every time a candidate applies for registration.

The matter is placed before the Executive Council for their consideration in the light of the observation of the Sub-Committee's Report and the requests made by the regional stations.

3. The Request from the Zoological Survey of India for recognising the Headquarters at Calcutta for higher research.

Some of the Indian Universities have recognised the Headquarters of the ZSI at Calcutta for higher research for their own students who have already obtained the graduate or postgratuate degrees of the Universities concerned. A note on facilities available for higher research at ZSI, Calcutta, is appended (Annexure III). The present request for recognition is for scholars who have graduated from other Universities. Since we are already considering the recognition of the Regional Stations located in Shillong (vide item 2 above) it is felt that this additional request may be considered at a later date.

Submitted for the consideration of the Executive Council.

ANNEXURE- I

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NORTH-EASTERN HILL UNIVERSITY

Shillong 793001

A meeting of the Committee for recognition of the Botanical and Zoological Surveys for Higher Research was held on 6th May, 1975 at 10.00 a.m. at the Vice-Chancellor's Office at Shillong. The following members were present at the meeting:

1. Dr C.D.S.Devanesen	Vice-Chancellor
2. Dr R. George Michael	Dean, School of Life Sciences
3. Dr P.S. Ramakrishnan	Professor of Botany, School of Life Sciences
4. Prof S.P.Ray-Chowdhury	Expert Member in Zoology
5. Dr G.P.Manna	Expert Member in Botany

1. The Committee discussed in detail the question of recognition of the Surveys for Higher Research. All the Members were generally in favour of granting recognition to these Institutes provided the following conditions are met with:

   i) The Committee decided to recognise only those institutions of these Surveys which are located within the jurisdiction of the University;

   ii) In addition to the recognition of these institutions, each application will be scrutinised on individual merits based on the qualifications of the supervisor, the topic of research and the facilities available in the institution;

   iii) When an application is approved by the University the University will also appoint an additional Supervisor from among its staff to be a co-superviser;

   iv) All other rules and regulations relevant to the Ph.D. candidates will be applicable to these selected applicants from the Surveys.

II. The Committee felt that it will not serve any useful purpose to reserve seats because it will take many years to clear the back-log of employees to complete their Master's Degrees. Instead the Committee favours the idea of an In-service Course in Taxonomy to be run only at their Headquarters. The Surveys may

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be requested to draft suitable syllabi of the courses, time-table of the theoretical and practical training and numbers of whole and part-time teachers employed for the purpose. When such a detailed proposal comes the University will finally decide the recognition of the above suggested course.

Sd/-
Dr Chandran D.S.Devanesen

Sd/-
Dr R. George Michael

Sd/-
Dr P.S. Ramakrishnan

Prof. S.P.Ray-Chowdhury

Dr G.P.Manna

Shillong
6th May, 1975

ANNEXURE-II

REGULATIONS FOR M.Sc. ZOOLOGY COURSE FOR EMPLOYEES OF ZOOLOGICAL SURVEY OF INDIA

1. The M.Sc. course in Zoology is a course of study spread over a period of two academic years.

2. A candidate seeking admission to the Course must possess the qualifications prescribed by the Board of the School of Life Sciences and approved by the Academic Council from time to time.

   (a) A candidate shall be eligible to apply for admission to the Course if he/she had taken the B.Sc (Hons)/B.Sc. degree in Zoology.

   (b) Final admission to the Course will be made after an interview by the Director, Zoological Survey of India.

2. (a) Admission to the Course shall be made only in the 1st year beginning of each academic year.

3. (a) Subject to the General guidance of the Board of the School of Life Science the instruction and routine in the M.Sc. Course shall be under the control and direction of the Head of the Departments of Zoology and the Director, Zoological Survey of India.

   (b) Each student in the M.Sc., course shall remain, with respect to his work in course as well as his general conduct in Zoological Survey of India, under the control of the Director, Zoological Survey of India.

   (c) The Director may remove the name of the student from the course on the basis of unsatisfactory performance.

4. In each year there shall be four theory papers and two practical papers/project studies, based on the theory papers. There shall be examination at the end of each year.

5. (a) Each theory paper shall be for 100 marks and each practical paper/project study shall be for 100 marks.

   (b) In the case of the special paper (paper 8) there shall be a dissertation for 75 marks, and a viva voce for 25 marks to be assessed at the end of final year.

.../...

(c) 25% marks of both theory and Practical papers shall be kept apart for continous assessment to be conducted by teacher incharge based on quiz, objective tests, assignments, seminars and laboratory tests.

7. For passing the examination a candidate will be required to obtain not less than 40% marks in each paper in both theory and practical.

8. A candidate who obtains 40% in aggregate but less than 48% will be awarded M.Sc.(Pass). If he/she obtains 48% or more marks, he/she will eligible to obtain M.Sc. degree with a class as specified below.

A candidate who obtains 48% and above but less than 60% shall be declared to have passed in second class and a candidate who obtains 60% and above shall be declared to have passed in the first class.

9. (a) If a candidate fails in one or two papers at M.Sc. (Previous) examination he/she will be allowed to join M.Sc. final year, but he/she will have to clear those papers in subsequent examinations. He/she, however, will not be given more than two additional attempts.

(b) If a candidate fails in one or two papers in M.Sc. (final) he/she have to clear these papers in subseqent examination as a casual student. He/she however will not be given more than two additional attempts.

10. Each year shall be for a period of 12 months. The commencement and termination dates of a year shall be fixed by the Director, Zoological Survey of India in consultation with the Vice-Chancellor.

11. Examiners or Board of Examiners shall be appointed for each paper by the Board of the School of Life Sciences and by Director, Zoological Survey of India.

12. A candidate shall apply for admission to the examination in the prescribed form to the Dean of the School of Life Sciences through the Director, Zoological Survey of India. Such applications shall have to be accompanied by certificates indicating.

...../....

(a) The candidates clearance in continuous assessment.

(b) The clearance of his dues including the prescribed examination fees.

13. The results for M.Sc., (Previous) and M.Sc. (final) shall be placed before the Dean of the School of Life Sciences for approval.

14. The Syllabi and Courses of study for M.Sc. degree in Zoology shall be such as approved by the Board of the School of Life Sciences on the recommendation of the Boards of Post Graduate studies of the Departments of Zoology and Director, Zoological Survey of India.

15. English shall be the only medium of instruction and evaluation in the M.Sc. Zoology Courses.

16. (a) The M.Sc. Courses in Zoology shall consist of papers exclusively given by the Faculty of the Department.

(b) The following shall be the schedule of course prescribed for study in the M.Sc. course in Zoology until otherwise specified.

(c) In an Academic year there will be 600 hours of Theoretical Classes and approximately 540 hours of Practical classes.

Syllabus for M.Sc. degree in Zoology of the North Eastern Hill University for Z. S. I. candidates.

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THEORY

M.Sc. (Previous)

Paper I

Systematic Zoology

Objectives. History. Terms and definitions. Science of taxonomy. Principles of zoological classification and its theories. Hierarchy of categories. Supraspecific taxa. Species catagory - definition and concept. Infraspecific and population systematics. Chemotaxonomy, cytotaxonomy and numerical taxonomy. Zoological collection for taxonomic studies - methods of collection, preservation, maintenance, etc. Recording, collection and utilization of field-data. Procedure of identification - evaluation of taxonomic characters - variations - taxonomic decisions on the species level. Procedure of classifying. Preparation of taxonomic publications. Code of zoological nomenclature.

Paper 2

Organic Evolution

History of development of evolutionary thought - pre-Darwinian, Post-Darwinian and recent. Theories of organic evolution. Evidence of organic evolution. Impact of evolutionary theories on contemporary thoughts. Present status. Mechanism of evolution - Natural selection - Artificial selection - Mutations, natural and induced - Inheritance of characters - adaptations. Factors of organic evolution - Barriers, physical, ecological, physiological, etc. Geographical distribution. Biochemical evolution. History of life on the earth - palaeontology and palaeogeography

Paper 3

Ecology and Environmental Biology

Definitions and ecological concepts. Abiotic and biotic factors. Population - growth, density, relationships, interactions, competition, cohabitation, co-existence allelopathy. Physiological ecology. Ecological speciation - plasticity, ecotype differentiation. Concept of community. Ecosystem - dynamics - food-chain - food and feeding cycles - energy flow - biogeochemical cycles. Productivity. Pollution of the environment.

Conservation of natural resources, Human ecology, Problems of urbanization. Problems of population explosion vis-a-vis environmental changes. Human socialogy and global monitoring of the environment. Man in health and disease, their impact on the environment. Man as a member of the biome.

Paper 4

Invertebrates I

Biology, classification, etc. of Protozoa, Porifera, Cnidaria, Ctenophora, Mesozoa, Platyhelminthes, Nemartini, Aschelminthes, Acanthocephala, Entoprocta, Annelida, Echiurida and Sipunculida.

M.Sc. (Final)

Paper 5

Invertebrates II

Biology, classification, etc. of Arthropoda, Mollusca, Priapuloidea, Bryozoa, Phoronida, Brachiopoda, Chaetognaths, Pogonophora and Echinodermata.

Paper 6

Protochordates and poikilothermous vertebrates

Biology, classification, etc. of Adelochordata, Tunicata, Acrania, Agnatha, Placodermi, Elasmobranchii, Osteichthys, Amphibia and Reptilia.

Paper 7

Part 1

Homoiothermous vertebrates

Biology, classification, etc. of Aves and Mammalia.

Part 2

Animal Physiology

Structure of cell.

Carbohydrates, Proteins and fats; their digestion and their metabolism.

Vitamins.

Nervous system - Structure of nerve cells, mechanism of transmission of nerve impulse.

Endocrinology - Important endocrine glands; the role of important hormones in homoitherms.

Paper 8

Special Paper by dissertation

On any of the following :

a) Entomology
b) Carcinology
c) Helminthology
d) Ichthyology
e) Ornithology
f) Mammalogy
g) Wildlife Conservation
h) Ethology

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P_R_A_C_T_I_C_A_L

M.Sc. Previous

Prepration of dichotomous keys - Preservation of the live animals given.

Determination of p^H, dissolved oxygen, free carbon dioxide, total alakalin'ty, methyl orange alkalinity, phenolphthalein alkalinity, total hardness, calcium, magnesium and chloride ions, dissolved organic matter of different water system - collection and study of freshwater organisms (planktonic), soil fauna and litter inhabiting arthropods.

Identification of different groups of Protozoa, Porifera, Cnidaria, Ctenophora, Platyhelminthes, Nemartini, Aschelminthes, Acanthocephala, Entoprocta, Annolida, Echiurida and Siphunculida.

Prepration of temporary/permanent slides of Protozoa, Cnidaria, Platyhelminthes, spicules of Porifera and ovary and setae of Annelida.

Dissection of nervous, alimentary and reproductive organs of earthworm.

Microtomy: Embedding, prepration of wax blocks, section cutting, mounting, staining and permanent prepration of slides of Platyhelminthes, Nemartini, earthworm and some organs of frog.

M.Sc. Final

Identification of different groups of Arthropoda, Mollusca, Priapuloidea, Bryozoa, Phoronida, Brachiopoda,

Chaetognatha, Echinodermata, Adelochordata, Tunicata, Acrania, Agnatha, Elasmobranchii, Osteichthys, Amphibia, Reptilia, Aves and Mammals.

Dissection of appendages and nervous system and mounting of statocyst of prawn - Dissection of nervous system of crab - Dissection of nervous and reproductive organs and mounting of mouthparts, salivary glands and testes of cockroach - Dissection of nervous and reproductive systems of scorpion - Dissection of nervous and digestive systems of Pila, freshwater mussel, Mytilus, Sepia/Loligo - Mounting of Aristotle's lantern of Echinus and tube feet of star fish.

Dissection of nervous and arterial systems and internal ear and mounting of ampullae of Lorenzini and placoid scales of shark - Dissection of nervous and circulatory systems of Calotes - Dissection of nervous system, flight muscles, arterial system, air-sacs and mounting of pecten of pigeon - Dissection of nervous and circulatory systems and mounting of ear ossicles of guinea pig.

Tests for digestive enzymes, p.H. tolerance, Salinity tolerance & Temperature tolerance, Humidity tolerance on Terrestrial animals.

Practical examination will be 4 hours duration on consecutive days in M.Sc. Previous and Final.

Proposed names of Scientists of the Zoological Survey of India, Calcutta, for teaching M.Sc. Zoology.

....

1. Dr. S. Khera
   Deputy Director-in-Charge

2. Dr. K.K. Tiwari
   Deputy Director

3. Dr. B. Biswas
   Deputy Director

4. Dr. C.B. Chhotani
   Superintending Zoologist

5. Dr. A.K. Mukherjee
   Superintending Zoologist

6. Dr. R.P. Mukherjee
   Superintending Zoologist

7. Dr. V.C. Agrawal
   Superintending Zoologist

8. Dr. I.K. Talwar
   Superintending Zoologist

9. Dr. A.K. Datta
   Zoologist

10. Dr. R.K. Kacker
    Zoologist

11. Dr. S.K. Mitra
    Zoologist

12. Dr. G.C. Rao
    Zoologist

13. Dr. S.K. Tandon
    Zoologist

14. Dr. A.N.T. Joseph
    Zoologist

15. Dr. Amal Bhattacharyya
    Zoologist

16. Dr. P.T. Cherian
    Zoologist

17. Shri N.V. Subba Rao
    Zoologist

18. Shri P. Dhandapani
    Zoologist

19. Dr. R.A. Khan
    Zoologist

ANNEXURE- III

Facilities available for higher research in the Zoological Survey of India, Calcutta.

Zoological Survey of India, Calcutta, has been recognised by the Standing Committee of the Inter-university Board of India, as an Institution for research for post-graduate degrees. Many Universities in India have already recognised Zoological Survey of India as a centre for research leading to the award of Ph.D./D.Sc. degrees. Some of the Universities which recognise Zoological Survey of India are: Agra University, Banaras Hindu University, Bombay University, Madras University, Poona University, Panjab University, Rajasthan University, Karnataka University, Sri Venkateswara University, Vikram University, University of Baroda, Kerala University and Andhra University. Besides, these, many new Universities also recognise Zoological Survey of India for post-graduate research.

The Zoological Survey of India is one of the premier institutions where researches on Taxonomy, Zoo-geography (including faunistic studies) Ecology, Animal Behaviour, Wildlife, Animal population, Palaeozoology (both Vertebrate and Invertebrates), Soil Zoology, Cytotaxonomy and Cytogenetics, Nematode culture, Bird migration and ringing studies and all the allied Zoological disciplines directly related to Systematic studies are conducted on almost all the groups of animals.

Zoological Survey of India (at Calcutta) possesses the largest Zoological reference collections of India comprising of about 9,00,000 identified specimens belonging to about 45,000 species. Besides reference collections, it is big repository of type collections of different groups of animals, which is an essential prerequisite for advanced taxonomical researches. Library of the Zoological Survey of India contains the largest number of Zoological books, periodicals and other publications in the country. It contains over 40,000 volumes of journals, books on Zoology in different languages. About 800 Zoological periodicals are received regularly in the library every year. Free consultation of library material is available to all the departmental, governmental, semi-governmental and recognised individual scientific workers. Thus two basic requisites for advanced taxonomic and Systematic research work viz. (i) reference collection of Zoological specimens and (ii) literature, are readily available at the laboratories of Zoological Survey of India. The much needed and desired Zoological collections for research work are available through the regularly conducted intensive and extensive faunistic surveys by the specialist scientific staff of the Survey from allover the country including adjacent and neighbouring countries (viz. Sikkim, Bhutan, Nepal, Bangladesh, Burma, Shri Lanka etc.).

Zoological Survey of India has its own publication division, where Records of Zoological Survey and Memoirs of Zoological Survey are published regularly. Besides, Bibliography of Indian Zoology and other miscellaneous publications are also issued. The work connected with the publication of Monographs on Indian fauna under the series "Fauna of India" is also conducted by the Zoological Survey of India.

Department has a number of Junior and Senior Research Training fellowships under the "Post-graduate Training Scheme" and these have been availed of by the Research Scholars from different Universities leading to the award of Ph.D. degree after getting themselves duly registered in the concerned Universities. Under the training system, instructions on the general principles of taxonomy including practical training in faunistic studies in given area is imparted. Discussions on biosphere in relation to man, interrelationship between animals and plants, wildlife conservation are the part of the curriculum. Syllabus for training includes Taxonomy, its history and functions, relation of systematic to the other branch of biology; Future of systematic; Species and Infraspecific catagories; Biological species concept; Classification and the higher taxonomic catagories; Procedures in Taxonomy (collecting and collections, labelling, care of taxonomic collections, cataloguing, types of museum collections, research collections etc.); Identification and Taxonomic Discrimination; Taxonomic characters; Quantitative Methods of Analysis; Taxonomic Publications Principles and Application of Zoological Nomenclature and characters employed in Taxonomy and Systematics of certain groups and their evaluations. Practical training is imparted in use of drawing and optical devices, field and laboratory apparatus; Critical study of selected groups of animals; documentation and bibliographical work, preparation of manuscripts, checklist, catalogues, taxonomic keys; survey reports, field data book and tour report etc.

Expertise in various subjects is available both at the headquarters at Calcutta and its eight regional stations and Marine Biological Station situated at Dehra Dun, Jabalpur, Jodhpur, Poona, Patna, Solan, Madras. Facilities for faunistic work and Ecological work are available at all the regional stations of Zoological Survey of India and the headquarter. Department has carried out more than 700 faunistic surveys both major and minor. Enormous collection is available for study.

Organisational set up of Zoological Survey of India is given in the enclosed brochure.

It is needless to say that Zoological Survey of India, is a full-fledged bureau of Systematic Zoology. It can offer the best organised facilities for research work in faunistic, systematics, Ecology, Zoo-geography, Comparative morphology, Wildlife conservation, Animal behaviour etc.

Agenda Item No. VI (1)

MINUTES OF THE 6TH MEETING OF THE FINANCE COMMITTEE HELD AT SHILLONG ON 8TH OCTOBER, 1975

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I. Present :-

The following members were present :-

1. Dr. C.D.S.Devanesen, Vice-Chancellor, in the Chair.
2. Sri Sashimeren Aier.
3. Sri D.S.Khongdup.
4. Sri R.K.Chhabra.
5. Sri Anil Bordia.
6. Sri R.P.N.Sinha.
7. Sri B.L.Boipai.

and 8. Sri T.K.Tochhawng by invitation.

II. Time schedule for circulation of agenda papers.

The Committee suggested that the agenda papers for a scheduled meeting should be distributed sufficiently in advance for the perusal of the members.

III. (a) Confirmation of the minutes dt. 29.3.75.

The minutes of the 5th meeting of the Finance Committee held at Shillong on 29.3.75 were confirmed with a few modifications. It was also observed that the minutes of a meeting should be circulated and confirmed by the members within a month of the meeting which they pertain to.

(b) Business Arising out of the Minutes.

The Vice-Chancellor reported that:

The resolutions consequent on the introduction of the University Grants Commission Scales and the Service regulations for both teaching and non-teaching staff had been placed before both the Executive Council and the Academic Council and approved by them.

(Items 5 and 6).

contd.....2/-

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(c) T.A. and Honorarium for Visiting Professors etc.

The Vice-Chancellor reported that an ordinance relating to this matter had been placed before the Academic Council and Executive Council and was approved by them.

IV. (i) The Budget Estimates for 1975-76 prepared in pursuance of the suggestion of the 5th meeting of the Finance Committee were presented.

(ii) The proposals for Additional requirements for funds on account of :-

(a) Revision of pay scales of Technical Staff.

(b) Increase in the rate of the Addl.D.A.

(c) Increase in the rate of H.R.A.

(d) Revision of the pay scale of the Vice-Chancellor. With retrospective effect i.e. from 19.7.73, and

(e) Staff appointed at Aizawl Campus, were presented.

(iii) The new proposals of the following departments were presented :-

(a) Department of Continuing Education.

(b) Campus Development.

(c) Audio Visual Equipment, and

(d) The Library

V. The Budget Estimates for 1975-76 - The estimates were passed and recommended for approval of the Executive Council subject to the following observations :-

(1) The Committee suggested that Revised Budget Estimates should be prepared indicating the actuals for 5 months.

(2) The Committee suggested that while making provisions for teaching and non-teaching posts, the posts sanctioned by University Grants Commission should be

contd.....3/-

distinguished from the additional posts proposed but still to be sanctioned by the U.G.C.

(3) The Committee further observed that provision for a large number of additional administrative posts has been made. The Committee requested that a review of the posts, especially class III and class IV posts, should be made by the Vice-Chancellor and the result thereof circulated among the members of Committee. It was also suggested that the expenditure on non-teaching posts which the University can sanction without prior reference to and approval of the U.G.C. may be kept within Rs.50,000/- for the current year.

(4) The Committee also suggested that in future a clear picture or organisational chart indicating the posts already sanctioned and filled up, the posts sanctioned but vacant and the new posts which are included in the estimates should also be presented so that the demamds could be better appreciated.

(5) Offices of the Deans.

The Committee suggested that the requirements for administrative staff for Deans' Offices should be reviewed with a view to finding out how much of the work of the Deans' Office could be allotted to the administrative staff of the departments to which the Deans belong. The appointment of class IV staff for Deans' Offices should be restricted.

(N.B.:- There is only one Dean at present.)

contd.....4/-

(6) Departmental appointments.

The Committee suggested that where there is a new appointment the proposal should be supported by a suitable note. If the post of Professor is vacant, the post of a Stenographer for the Professor need not be filled up. The Committee also suggested that provision for a Steno and L.D.A. for teaching departments should be made with due consideration of the work load.

(7) Remuneration for Examiners.

The Committee recommended that in the next budget no provision for remuneration for Examination work should be made in respect of the University teachers.

(8) The Committee suggested that the provision for prizes, if approved by the Academic Council, should also be made.

(9) Designations of Teaching Faculty.

The Committee observed that designation of Advisers in the School of Education, of Senior Fellow and Director in the Department of Continuing Education had not yet been approved by the U.G.C. The Vice-Chancellor explained that an Ordinance had been passed by the Academic Council and the Executive Council accepting the title of Senior Fellow. The title of Adviser had the approval of the Executive Council and, therefore, he would refer the matter to them.

contd.....5/-

Regarding the posts under the Department of Continuing Education, it was pointed out by the Committee that while agreeing to the post of Professor the U.G.C. understood that the Department would function as part of the School of Education. If it has now been separated from the School of Education the fact should be intimated to the U.G.C.

The Vice-Chancellor stated that the matter would be placed before the Executive Council.

(10) Unspent balances.- It was suggested by the Committee that while showing the requirement for the grants the unspent balance of previous years' grants and receipts should not be shown as opening balance of the U.G.C. Grants/Receipts of the Financial years to which the estimates are related.

(11) School of Life Sciences.- The Committee observed that for the Life Sciences a large amount has been provided for symposia, excursion, etc. The Vice-Chancellor explained that this was partly due to the need to provide activities for the Colleges within the far-flung jurisdiction of the University. It was, however, agreed that the matter may be reviewed.

(12) Repairs:- Regarding the repairs of office buildings and hostels the Committee suggested that the requirements should be examined and the cost of repairs recovered from the land lords.

It was informed by the Vice-Chancellor that the cost of repairs are being recovered from the land lords as far as possible.

contd.....6/-

116 (13) The Committee suggested that Festival Advances are not expenditure. It need not be shown in the Budget under the expenditure head.

(14) The Committee enquired about the provision for other buildings. It was informed that provision under "other buildings" was for purchase of Mayurbhanj House and other construction works.

(15) For the Health Centre the Committee suggested that provision for a Nurse should be made in a regular scale of pay.

(16) In the course of discussion the Committee was informed that accounts for 73-74 and for 74-75 are not ready for audit. The Committee requested the Vice-Chancellor/Officer on Special Duty(Finance) to give urgent attention to the compilation of accounts and inform the U.G.C. about the progress in the matter.

VI. Additional requirements of funds.

The additional requirements on account of the following items were accepted.

(a) Revision of pay scale -		
(1) Life Sciences.	-	Rs. 3070.00
(2) Library.	-	Rs. 3515.00
(b) Increase in the rate of Addl.D.A.	-	Rs. 70230.00
(c) Increase in the rate of H.R.A.	-	Rs. 63000.00
(d) Revision of pay scale of V.C.	-	Rs. 10210.00
(e) Appointment of Staff at Aizawl	-	Rs. 6885.00
Total :	-	Rs.1,57,010.00

contd.....7/-

VII. New proposals.

(1) Department of Continuing Education.

An amount of Rs.50,000/- for the rest of the financial year 1975-76 was sanctioned subject to -

(a) Staff - The requirements of non-academic staff is subject to reviewed as per observation of the Committee under para V(3) under budget estimates for 1975-76.

(b) Books and Journals - An amount of Rs.10,000/- may be spent for Continuing Education from the Rs.15,00,000/- sanctioned for the whole Library as per observation of the Committee at para VII(4) below.

(2) Campus Development - The additional requirement of Rs.1,00,000/- for a contour Survey by the Survey of India and Rs.1,00,000/- for prizes for Architects were accepted. Another demand for Rs.4,900/- is subject to review as per Committee observation at para V(3) under budget estimates for 1975-76.

(3) Audio Visual Equipment - The Committee suggested that the audio visual equipment should be centrally provided so that facilities are available to all Departments.

It was also observed that the requirement may be met out of the provision made under office equipments.

(4) The Library - The additional demand for Rs.12,00,000/- of the Department of Library for books, journals, etc was reduced to Rs.7,50,000/- so as to raise the allocation to Rs.15,00,000/- for the current year.

contd.....8/-

(a) The Committee also recommended that a provision of Rs. 25,000/- for the Study Centre opened by the Meghalaya Government in the Central Library, Shillong should be made by the U.G.C. The books provided will belong to the University.

VIII. Finamcial arrangement for Kohima and Aizawl.

Regarding financial arrangement for Kohima and Aizawl, the Committee did not view with favour giving powers to operate Bank Account to the officers posted at Kohima and Aizawl at present. It was suggested that these campuses may be asked to submit pay bills of the staff before the 10th of each month to which they pertain so that cheques marked payable on the due date would be issued sufficiently in advance. These arrangements will enable the staff to get their pay on the due date.

Chandran D S Devanesan
VICE-CHANCELLOR.

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O.S.D.(FINANCE)

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Agenda Item No. VI (2)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

NOTE FOR THE EXECUTIVE COUNCIL

The Budget Estimates of the University for 1975-76 were placed before the Finance Committee on the 8th of October 1975. The Finance Committee considered it and made observations (vide Minutes of the Finance Committee dated 8.10.75).

The Budget Estimates have been revised as per the Minutes of the Finance Committee and are submitted for being placed before the Executive Council for their consideration and approval.

For Budget papers, please see

Book 1 and Book 2

Agenda Item No. VI (3)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 21 CD:Genl(1)/75
November 14,1975

NOTE FOR THE EXECUTIVE COUNCIL

A draft agreement for the purchase of the property of the Mayurbhanj House in Shillong by the North-Eastern Hill University is placed below for the kind consideration of the Executive Council.

****

THIS AGREEMENT made this_____ day of_____ One thousand Nine hundred and Seventy five B E T W E E N (1) MAHARAJMATA SHRIMATI PREM KUMARI DEVI, widow of late Maharaja Sir Pratap Chandra Bhanj Deo, residing at No.3 Rainey Park, Calcutta-19 (2) MAHARAJKUMAR SWAROOP CHANDRA BHANJ DEO son of the said Maharaja Sir Pratap Chandra Bhanj Deo also residing at No.3 Rainey Park, Calcutta-19 and (3) MAHARANI SHRIMATI PRATIBHA MANJARI DEVI, wife of Maharaja Pratap Singh of Gidhaur residing at No.14 Mayfair Road, Calcutta-19 hereinafter collectively called "THE VENDORS" (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include their respective heirs, legal representatives, executors, administrators and assigns) of the ONE PART AND NORTH-EASTERN HILL UNIVERSITY a body corporate within the meaning of Section 3 of the North-Eastern Hill University Act, 1973 (Act 24 of 1973) and having its headquarters at Shillong, in the State of Meghalaya hereinafter called "THE PURCHASER" (which expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successor or successors-in-office and assigns) of the OTHER PART.

Whereas

A. His Highness Maharaja Sir Pratap Chandra Bhanj Deo during his life time was absolutely seized and possessed of or otherwise well and sufficiently entitled to ALL THAT the piece and parcel of land measuring about 9.415 acres together with palace, compound, out-houses, kitchen, garages, roads, fences well situated at Nongthymmai, Shillong commonly known as Mayurbhanj House free from all encumbrances, charges, liens, lispendens attachments whatsoever.

B. The said Maharaja Sir Pratap Chandra Bhanj Deo of Mayurbhanj died intestate on the 16th day of July 1968 leaving him surviving the Vendors and His Highness Shri Maharaja PRADEEP Chandra Bhanj Deo as his only heirs, heiress and legal representative and seized and possessed of various movable and immovable properties which such properties are hereinafter for the sake of brievity referred to as "the said Estate".

C. Through the intervention of the relatives and friends of the Royal family of Mayurbhanj and particularly of the mediation of Mr V. Viswanathan, Governor of Kerala, the disputes and differences between the heirs, heiress and legal representatives of late Maharaja Sir Pratap Chandra Bhanj Deo were settled by way of Family Settlement and/or arrangment.

D. The said Family Settlement and/or arrangement is recorded in a deed of Family Settlement dated 3rd December 1970 executed between the said heirs, heiress and legal representatives of late Maharaja Sir Pratap Chandra Bhanj Deo.

E. By the said deed of Family Settlement, it was inter-alia agreed that the said Mayurbhanj House, Shillong shall absolutely and for ever belong to the Vendors and that the said Maharaja Pradeep Chandra Bhanj Deo shall not have any right, title, interest, claim or demand whatsoever over and in respect of the said property.

F. In pursuance to the said Family Settlement and/or arrangement the Vendors are absolutely seized and possessed of or otherwise well and sufficiently entitled to the said Mayurbhanj House, Shillong free from all encumbrances, charges, lien and whatsoever.

G. By two Indentures of Lease both dated 7 NOV. 1973 and 7th NOV 1973 the Vendors have granted a lease in favour of the Purchaser of the said Mayurbhanj House at the rent and on the terms and conditions contained in the said two Indentures of Lease.

H. The Purchaser has expressed its intention to purchase the said property and it has been agreed between the Vendors and the Purchaser that the Vendors will sell and the Purchaser will purchase the said property at and for a sum of Rs. 12.0 lakhs (Twelve Lakhs only) absolutely free from all encumbrances, charges, liens, lispendens whatsoever and including all other amounts and compensation payable under any law or otherwise.

I. For the purpose of removing all doubts in future, it has been agreed between the Vendors and the Purchaser that the Purchaser shall cause the said property to be acquired by the Government of Meghalaya.

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NOW THIS INDENTURE WITNESSETH and it has been agreed by and between the parties hereto as follows:

1. The Vendors agree to sell and the Purchaser agrees to purchase ALL THAT the said piece and parcel of land measuring about 9.415 acres situated at Shillong together with the palace, compound, out-houses, kitchen, garages, roads, fences, well commonly known as Mayurbhanj House hereinafter called 'the said property' at and for a sum of Rs.12.0 Lakhs (Twelve Lakhs only).

   It is agreed that the said sum of Rs.12,000,00/- (twelve lakhs) shall be accepted by the Vendors as full compensation for the said property payable under the Land Acquisition Act and that the Vendors shall not claim any other compensation whatsoever under any law or otherwise. The above sum of Rs. 12.0 (twelve lakhs) shall be accepted by the Vendors as full and final discharge of their claim against the said property.

2. Immediately after the execution of these presents, the purchaser shall take necessary steps and action with the Govt. of Meghalaya for initiating necessary proceeding for acquisition of the said property and for early completion of the Land Acquisition Proceedings. The purchaser shall also make available the said sum of Rs.12,000,00/-(twelve lakhs only) being the agreed price and/or compensation for taking over the said property to the Government of Meghalaya whenever the purchaser is called upon to do so.

3. To expedite the acquisition proceeding including payments in terms hereof the Vendors and the purchaser will render all assistance to the authority.

4. Until the completion of all the formalities as aforesaid, the Purchaser shall continue to remain and occupy the said property as Leasee on the terms and conditions contained in the said Indentures of lease and shall regularly and punctually make payment of the agreed rent.

S C H E D U L E above referred to.

The premises better known as Mayurbhanj House, Nongthymmai, Shillong with all its compound, outhouses, kitchen, garages, roads, fences, well etc. measuring in total 9.415 acres (nine acres and four hundred and fifteeen decimals) and covered by patta No._____

Boundaries:

North:	Partly by the land of U. Hum Lyngdoh and partly by Kaljir's land.
South:	Green Block No.2 (Law Jynriew)
East:	Laitkor Road and land of Rai Bahadur D. Ropmay.
West:	Land of Mrs. D. Ganguly.

IN WITNESS WHEREOF the parties hereto have set and subscribed to these presents the day, month and year first above written.

SIGNED SEALED AND DELIVERED
by the Vendors at Calcutta
in the presence of:

SIGNED SEALED AND DELIVERED
BY THE Purchaser at Calcutta
in the presence of:

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DATED THIS_____DAY OF_____1975.

B E T W E E N

MAHARAJMATA SHRIMATI
PREM KUMARI DEVI &

OTHERS .....VENDORS

A N D

NORTH EASTERN HILL
UNIVERSITY ..... PURCHASER

A G R E E M E N T

Agenda Item No. VI (A)

AGENDA FOR EXECUTIVE COUNCIL MEETING ON 29th.11.1975.

The resolution of the Executive Council on bank accounts at their Meeting held on 13.11.73 in New Delhi read as follows :-

Bank Accounts -

Executive Council - 73 :- 16 resolved

(a) that the General account of the University may be opened in the name of the "NORTH EASTERN HILL UNIVERSITY" in the State Bank of India, Shillong and Kohima and -

(b) that the Finance Officer may be authorised to operate the bank account. In the absence of a Finance Officer, the Officer on Special Duty(Fin.) may operate the bank accounts.

It is proposed that the above resolution may be replaced by the following resolutions :-

1. FOR UNIVERSITY GRANTS COMMISSION GRANTS -

Resolved that

The General Accounts of North Eastern Hill University - be opened in the name of the NORTH EASTERN HILL UNIVERSITY, in the State Banksof India at Shillong, Kohima and Aizawl.

The Finance Officer - be authorised to operate the Bank Accounts. In the absence of a Finance Officer, the Vice-Chancellor may authorise any officer of the University to operate the accounts in pursuance of the provision of clause (3) of section 5 of the statutes.

contd.....2/-

2. FOR UNIVERSITY REVENUE RECEIPTS.

Resolved that

a Bank Account in the name of NORTH EASTERN HILL UNIVERSITY (ACCOUNT-RECEIPTS), be opened in the State Bank of India, Shillong. The account be operated by the Finance Officer. In the absence of the Finance Officer, the Vice-Chancellor may authorise any other officer of the University to operate the accounts in pursuance of the provision of clause (3) of section 5 of the statutes.

3. FOR GENERAL PROVIDENT FUND ACCOUNT.

Resolved that

Bank Account - be opened in the name of NORTH EASTERN HILL UNIVERSITY (ACCOUNT-GENERAL PROVIDENT FUND) in the United Bank of India, Shillong. The Finance Officer be authorised to operate the Bank Accounts. In the absence of a Finance Officer, the Vice-Chancellor may authorise any officer of the University to operate the accounts in pursuance of the provision of clause (3) of section 5 of the statutes.

4. FOR CONTRIBUTORY PROVIDENT FUND ACCOUNT.

Resolved that

Bank Account - be opened in the name of NORTH EASTERN HILL UNIVERSITY (ACCOUNT-CONTRIBUTORY PROVIDENT FUND) in the United Bank of India, Shillong. The Finance Officer be authorised to operate the Bank Accounts. In the absence of a Finance Officer, the Vice-Chancellor may authorise any officer of the University to operate the accounts in pursuance of the provision of clause (3) of section 5 of the statutes.

contd.....3/-

5. FOR STUDENTS' FUNDS ACCOUNT :-(For various caution Deposits, which are repayable) and aid Funds which are administered by Students Union etc.

Resolved that

Bank Accounts in the name of NORTH EASTERN HILL UNIVERSITY (ACCOUNT-LIBRARY CAUTION DEPOSITS), (ACCOUNT-LABORATORY CAUTION DEPOSITS), (ACCOUNT-HOSTEL CAUTION DEPOSITS), (ACCOUNT-STUDENTS' AID), (ACCOUNT-STUDENTS' ASSOCIATION) - be opened in the State Bank of India, Shillong or a Nationalised Bank of Shillong. The Finance Officer be authorised to operate the Bank Accounts. In the absence of a Finance Officer, the Vice-Chancellor may authorise any officer of the University to operate the accounts in pursuance of the provision of clause (3) of section 5 of the statutes.

6. FOR SCHOLARSHIP GRANTS RECEIVED AND DISBURSED ON BEHALF OF VARIOUS OUTSIDE AGENCIES, GOVT. ETC.

Resolved that

Bank Accounts in the name of NORTH EASTERN HILL UNIVERSITY (ACCOUNT-SCHOLARSHIP DEPOSITS) - be opened in the State Bank of India, Shillong. The Finance Officer be authorised to operate the Bank Accounts. In the absence of a Finance Officer, the Vice-Chancellor may authorise any officer of the University to operate the accounts in pursuance of the provision of clause (3) of section 5 of the statutes.

contd.....

7. FOR MAHATMA GANDHI ENDOWMENT FUND.

Resolved that

Bank Account - be opened in the name of NORTH EASTERN HILL UNIVERSITY (ACCOUNT-MAHATMA GANDHI ENDOWMENT FUND) in the State Bank of India, Shillong. The Finance Officer be authorised to operate the Bank Account. In the absence of a Finance Officer, the Vice-Chancellor may authorise any officer of the University to operate the accounts in pursuance of of the provision of clause (3) of section 5 of the statutes.

8. FOR DISBURSEMENT OF PAY AND ALLOWANCES OF UNIVERSITY ESTABLISHMENT.

When the pay of the establishment is disbursed on the first working day of the month the following difficulties are being faced:

(i) There is tremendous rush at the Bank counter and cash has to be collected hurriedly which is not free from risks.

(ii) Notes of small denominations and coins are very difficult to be exchanges by the Bank staff.

Hence it is proposed to disburse the pay of the establishment on the last working day of each month. Any adjustment if necessary on account of absence of staff may be carried out next month or subsequently.

The following resolution may kindly be approved by the Executive Council.

"Resolved that

The pay and allowances of the establishment be disbursed normally on the last working day of the month."

O.S.D.(FINANCE)

VICE-CHANCELLOR

Agenda Item No. VII CD

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NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 21 CD:Genl(1)/75
November 11,1975

NOTES FOR THE EXECUTIVE COUNCIL

Under clause (x) of sub-section (2) of section 13 of the First Statute of NEHU, the Executive Council have the powers "to provide buildings, premises, furniture and apparatus and other means needed for carrying out the work of the University". Under clause (xvi) of sub-section (2) of section 13 of the First Statute of NEHU, the Executive Council can "delegate any of its powers to the Vice-Chancellor, the Pro-Vice-Chancellors, the Registrar or the Finance Officer or such other employee or authority of the University or to a Committee appointed by it as it may deem fit".

The importance of Campus Development of a university in its formative years cannot be over-emphasised. The time and attention necessary in the process of development makes any separation of development planning into "academic" and "financial" categories unworkable. To remedy that, a committee should be formed to combine all physical development matters into a single committee. Campus Development involves integrated academic planning, physical planning and financial planning. Because they are inseparable, all should be co-ordinated by a committee called the Campus Development Committee.

Constitution.

The Committee will consist of the following members:

1. Vice-Chancellor, North-Eastern Hill University. - Chairman
2. Secretary, University Grants Commission or his representative. - Member
3. Director (U), Ministry of Education or his representative. - Member

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4. Chief Engineer, Meghalaya. - Member

5. Additional Chief Engineer, Meghalaya. - Member

6. Principal, St.Mary's College, Shillong. - Member

7. Director of Public Instruction, Meghalaya. - Member

8. Director of Public Instruction, Nagaland. - Member

9. Director of Public Instruction, Mizoram. - Member

10. Head of Zoology Department, North-Eastern Hill University. - Member

11. Head of Botany Department, North-Eastern Hill University. - Member

12. Head of Physics Department, North-Eastern Hill University. - Member

13. Head of Chemistry Department, North-Eastern Hill University. - Member

14. Town Planner and Director of Housing, Meghalaya. - Member

15. Chairman, PG Students' Council, North-Eastern Hill University. - Member

16. Secretary, PG Students' Council, North-Eastern Hill University. - Member

17. University Architect, North-Eastern Hill University. - Member

18. Officer on Special Duty (Finance), North-Eastern Hill University. - Member

19. Officer on Special Duty (Campus Dev), North-Eastern Hill University. - Member

20. Chief Project Engineer, North-Eastern Hill University. - Secretary.

<u>The functions and powers of the Campus Development Committee:</u>

(1) Subject to the control and directions of the Executive Council, the Committee will be responsible for integrated planning and development of the Campus.

Contd....3

(2) The Committee will accord approval to drawings, designs, estimates, specifications, tender documents, extra/substituted/detailed items and all other matters connected with the execution of works costing more than Rs. 5 lakh.

In the case of works costing up to Rs.5 lakh, the Vice-Chancellor has got full powers to accord approval and sanction expenditure without reference to the Committee.

(3) Any other work which may be entrusted to the Committee from time to time by the Executive Council.

(4) The Committee will have the power to form sub-committees, as and when necessary.

(5) The Committee will also have the power to co-opt members or to invite other officers and non-officials to attend its meetings.

Nine members of the Campus Development Committee shall form a quorum for a meeting of the Committee.

The proposal may kindly be approved.

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Agenda Item No. VII (2)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

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No.VCF 21 CD:Genl(1)/75
November 11,1975

NOTES FOR THE EXECUTIVE COUNCIL

We have written to the President of the India Institute of Architects requesting him to advise us on the appointment of Assessors for conducting an architectural Competition.

There are three methods of conducting an architectural Competition for selecting an Architect to design the Master Plan of the Campus.

The first method is by holding an Open Competition. In an Open Competition, all the Architects having the requisite qualifications and who are the members of the Royal Institute of British Architects or its Allied Societies can participate.

The second method is by advertisement, inviting Architects willing to compete to send in their names by a given date with their bio-data and such other information as they may think likely to advance their claims for admission to the Competition. It is desirable that the intending Competitors should give a reference of the works they have done previously. From these names the Promoters, with the advice of the Assessors, shall select a limited number to compete, and each Competitor thus selected shall receive a specified sum for the preparation of his design.

The third method is by personal invitation to a limited number of selected Architects to join in a Competition for the intended work. Each Competitor shall receive a specified sum for the preparation of his design.

The holding of an architectural Competition is to be conducted on the lines laid down in the Regulations of the Indian Institute of Architects.

Contd....2

The Regulations governing the promotion and conduct of architectural Competition as adopted by the Indian Institute of Architects are reproduced below.

(A) The nomination for every Competition of an Assessor or Assessors shall be Architects of acknowledged standing to whom the whole of the designs shall be submitted.

(B) Each design shall be accompanied by a declaration, signed by the Competitor, or Joint Competitors stating that the design is his or their own personal work, and that the drawings have been prepared under his or their own supervision. A successful Competitor must be prepared to satisfy the Assessor that he is the bonafide author of the design he has submitted.

(C) No Promoter of a Competition, and no Assessor engaged in it, nor any Partner, associate or employee of either shall compete OR ASSIST A COMPETITOR, or act as Architect, or Joint Architect, for the proposed work.

This regulation shall also preclude the regular staff and present students of a School of Architecture from taking part in a Competition in which a member of the regular teaching staff is acting as sole Assessor, but not in cases where a Jury of three or more Assessors is concerned of whom only one is a member of the regular teaching staff.

The Assessor must not act as Consulting Architect, unless he has been appointed as such before the inception, nor in any other professional capacity in any matter connected with the work which has been the subject of the Competition, provided always that he may act as Arbitrator in any dispute between the Promoters and the selected Architect.

Contd....3

If under the special conditions referred to above the Assessor is acting as consulting Architect, it should be clearly stated in the published conditions of the Competition.

(D) The premiums shall be paid in accordance with the Assessor's award and the author of the design placed first by the Assessor shall be employed to carry out the work, unless the Assessor is satisfied that there is some valid objection to such employment, in which case the author of the design placed next in order of merit shall be employed subject to similar conditions. The award of the Assessor shall not be varied for any other reason.

(E) If no instructions are given to the author of the design selected by the Assessor to proceed within twelve months from the date of the award, then he shall receive payment for his services in connection with the preparation of the Competition drawings of a sum equal to 1½ per cent on the amount of the estimated cost stated in the conditions. The first premium shall be deducted from the sum so paid. If the work is subsequently proceeded with this sum shall form part of his final/total commission.

If within twelve months of the award, the Promoters shall decide to proceed with part of the work only, the author of the selected design shall be paid including the premium and in addition to the scale fees on the work, which is being carried out, a sum equal to 1½ per cent on the difference between the cost of the work carried out and his estimate of the cost which sum shall also merge into the commission when the remainder of the work is subsequently executed.

(F) The selected Architect having been appointed to carry out the work shall be paid in accordance with the Schedule of Charges determined and published by the Indian Institute of Architects in consultation with the Promoters of each

Contd....4

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individual Competition and the premium already paid shall be deemed to be a payment on account.

An Open Competition has its own advantages and disadvantages. In an Open Competition, all the Architects having the requisite qualifications can participate. But it was found from experience that reputed Architects or firms of Architects do not compete in an Open Competition. So the best Architects may not participate if an Open Competition is held.

The second method is also as wide and open as the first method as qualified Architects willing to compete can send in their names with their bio-data and other necessary information. But there is advantage in the second method since only the best Architects will be permitted to compete after screening by the Assessors.

The third method is too narrow and limited in scope in selecting the Architects to compete.

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Agenda Item No. VII (3)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

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No.VCF 21 CD:Genl(1)/75
November 11,1975

NOTES FOR THE EXECUTIVE COUNCIL

The land situated at Mawroh Umshing measuring about 1,025 acres will be handed over to the University in the first week of December,1975.

Under sub-section (1) of section 13 of the First Statute of NEHU, "the Executive Council shall have the management and administration of the revenue and property of the University and the conduct of all administrative affairs of the University not otherwise provided for". Under clause (xvi) of sub-section (2) of section 13 of the First Statute, "the Executive Council can delegate any of its powers to the Vice-Chancellor, the Pro-Vice-Chancellors, the Registrar or the Finance Officer or such other employee or authority of the University or to a Committee appointed by it as it may deem fit".

It is, therefore, proposed that the Executive Council may please authorise the Vice-Chancellor or his representatives to accept and take possession of the land on behalf of the Executive Council.

The proposal may kindly be approved.

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Agenda Item No. VII (4)

NORTH EASTERN HILL UNIVERSITY
SHILLONG 793 001

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VCF.21:CD:Genl:(i)/75 17 November,1975

NOTES FOR THE EXECUTIVE COUNCIL

A piece of land measuring about 1,025 acres meant for the University Campus in Shillong will be handed over to NEHU in the first week of December, 1975. Preliminary development works will start as soon as the officers and staff are appointed.

For construction of buildings etc., an Engineering Cell is necessary. The Cell will be headed by a Chief Engineer and assisted by four Executive Engineers for execution and two for the design, drawing and planning; one Architect and an Accounts Officer with complement of officers and staff as shown in Annexure 'A'. Actual execution works will be done by the contractors and supervised by four Divisions headed by the Executive Engineers. Under the direction and guidance of the Chief Engineer, it is expected that a Division will execute works of the value of Rs. 50 lakh (Rupees fifty lakh) only in a year. The Architect will prepare designs and plans of most of the buildings. But preparation of the Master Plan of the Campus and the designs of important buildings will be done by a reputed firm of Architects.

The officers and staff of the organisation will be appointed on Government of India's pay scales. The cost of the Establishment will be around Rs. 27,05,934/- (Rupees twenty seven lakh five thousand nine hundred and thirty four) only as worked out in Annexure 'B-1' and 'B-2'. The expected work load to be executed by the organisation is around Rs. 2.00 to 2.50 crores.

It is expected that the organisation on this scale will continue for about five years or so. Thereafter the organisation of this size will not be required. It is expected that for maintenance, only two Divisions will be required.

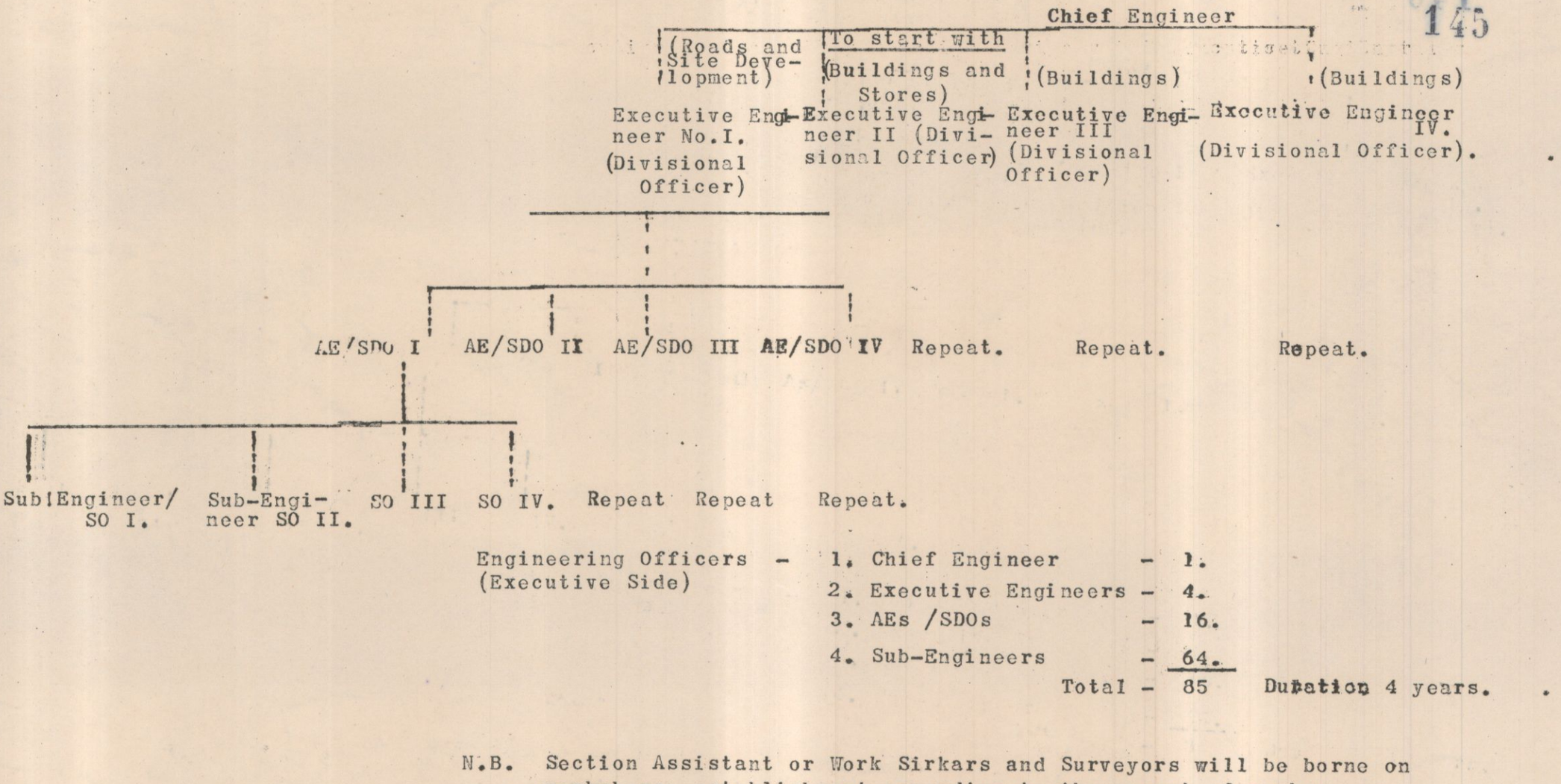
Submitted to the Executive Council for their consideration.

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ANNEXURE - A

ENGINEERING ORGANISATION IN NEHU, FOR DEVELOPMENT OF CAMPUS AND OTHER ENGINEERING WORKS

Executive Side (Yearly expenditure about 2.00 crores).



Engineering Officers (Executive Side) –

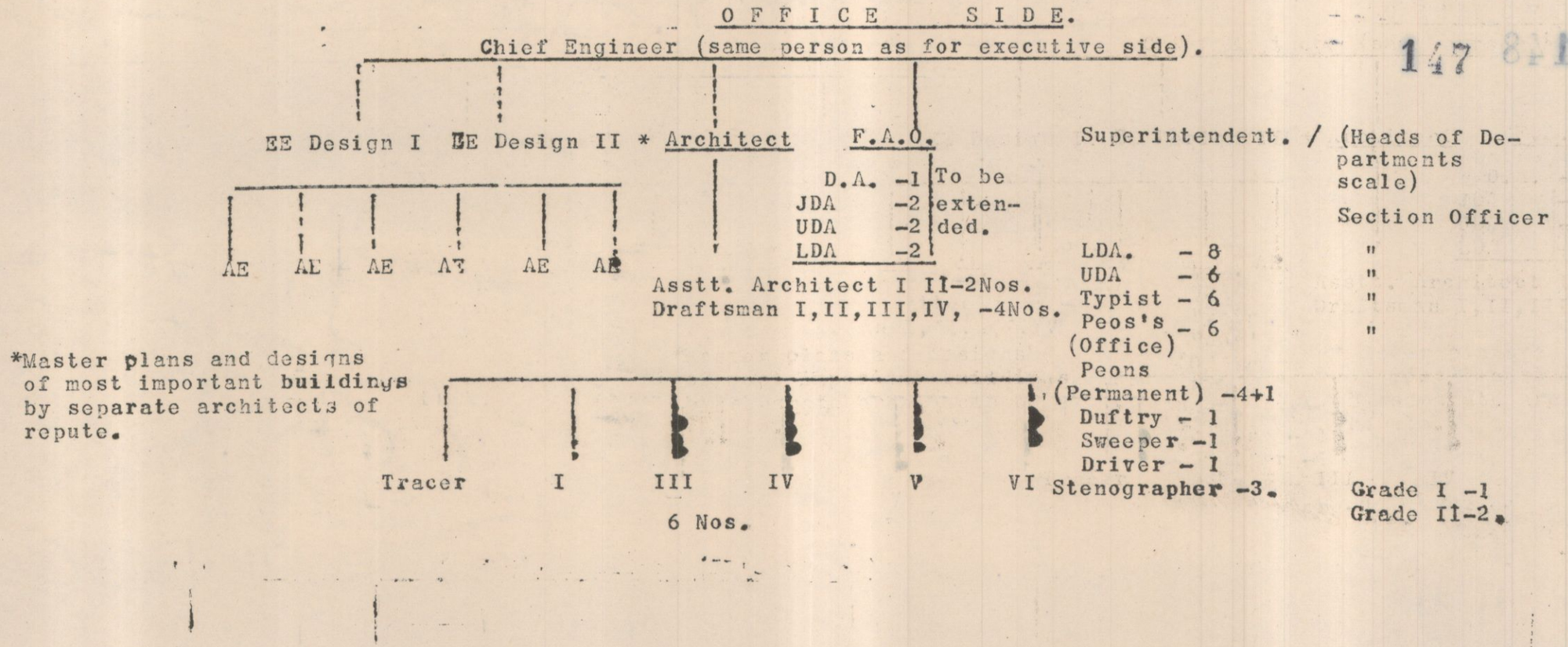
1. Chief Engineer	–	1.
2. Executive Engineers	–	4.
3. AEs /SDOs	–	16.
4. Sub-Engineers	–	64.
Total	–	85

Duration 4 years.

N.B. Section Assistant or Work Sirkars and Surveyors will be borne on workcharge establishment according to the amount of works.

ENGINEERING ORGANISATION IN NEHU. FOR DEVELOPMENT OF CAMPUS AND OTHER WORKS.

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Divisional Office (EE'S office)

SDO.TC - 1 AE - 1 Overseer or Sub-Engineer - 2. Draftsman - 1 Tracer - 2	Superintendent UDA - 2 LDA & Typist - 6 Peons - 2 Chowkidar - 1 Daftry - 1 Personal Peon - 2 Driver - 1.	Divisional Accountant JDA - 2 + 1 UDA - 1 + 1 LDA - 4	Steno 1.	

4 Divisions -	4 SDO's TC	
	4 AEs	
	8 Sub-Engineers	
	4 Draftsman	
	8 Tracer	
	4 Superintendent	(District Scale)
	12+4 UDA's	"
	40 LDA's	"
	8 Peons	
	8 Personal Peons	
	4 Chowkidars	
	4 Duftries	
	4 Accountants	
	8+4 JDA's	
	4 Drivers	
	4 Stenos.	

SDO's Office

Head Assistant (UDA)	- 1.
LDA's	- 2
Peon	- 1
Personal Peon	- 1
Chowkidar	- 1
Driver	- 1

for 16 SDO's -	16 Head Assistants (UDA)	(District Scale)
	32 LDA's cum-Typist	"
	32 Peons	
	16 Chowkidars	
	16 Drivers.	

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ANNEXURE 'B' (1)

FINANCIAL IMPLICATION OF ENGINEERIN . ORGANISATION

MINIMUM OF SCALE

Sl. No.	Post	No. of posts	Scale	Pay	D.A.	Addl.D.A.	Winter allowance	House rent allowance	Total excluding winter allowance.
1.	Chief Engineer	1	2500-125/2 2750	2,500/-	-	-	-	188.00	2688.00
2.	Executive Engineers	6	1100-50-1600	6,600/-	1,458.00	600.00	240.00	495.00	9,153.00
3.	Architect	1	-do-	1,100.00	243.00	100.00	40.00	83.00	1,526.00
4.	Assistant Engineers	30	650-30-740-35-810-EB-35-380-40-1000-EB-40-1200	19,500.00	5,265.00	2,438.00	1,170.00	1,463.00	28,666.00
5.	Assistant Architect	2	-do-	1,300.00	351.00	168.00	78.00	98.00	1,912.00
6.	Sub-Engineers	72	425-15-500-EB-15-560-20-700	30,600.00	8,262.00	3,825.00	1,836.00	4,590.00	47,277.00
7.	Draftsmen	8	330-10-380-EB-12-500-EB-15-560	2,640.00	864.00	400.00	158.00	396.00	4,300.00
8.	Tracers	14	260-6-300-EB-6-340-10-360-EB-10-430	3,640.00	1,310.00	637.00	227.00	546.00	6,133.00
9.	Divisional Accountant	5	425-15-500-EB-15-560-20-700-EB-25-800	2,125.00	574.00	266.00	128.00	319.00	3,284.00

Cont'd. 2/-

Sl.	Post	No. of posts	Scale	Pay	D.A.	ADDL. D.A.	Winter allowance	House rent allowance	Total excluding winter allowance
10.	Accounts Clerk (Junior Div.Acctt.		260-6-290-EB-6-326-8-366-EB-8-390-10-400	3,640.00	1,310.00	637.00	227.00	546.00	6,133.00
11.	Superintendent.	1	650-30-740-35-810-EB-35-880-40-1000-EB-40-1200	650.00	176.00	81.00	39.00	49.00	956.00
12.	Head Assistant . Divisional Officer	4	425-15-500-EB-15-560-20-700	1700.00	459.00	213.00	102.00	255.00	2,627.00
13.	U.D.As.	24	330-10-380-EB-12-500-EB-15-560	7,920.00	2,592.00	1,200.00	475.00	1,188.00	12,900.00
14.	L.D.As.& Typist	56	260-6-290-EB-6-326-8-366-EB-8-390-10-400	14,560.00	5,242.00	2,548.00	907.00	2,184.00	24,534.00
15.	Stenographer Grade I	1	650-30-740-35-880-EB-40-1,040	650.00	176.00	81.00	39.00	49.00	956.00
16.	Grade II Stenographer	6	425-15-500-EB-15-560-20-700-EB-25-800	2,550.00	689.00	319.00	153.00	383.00	3,941.00
17.	Daftry	5	200-3-206-4-234-EB-4-250	1,000.00	360.00	175.00	65.00	150.00	1,685.00
18.	Peons Sweepers Chowkidars etc.	42	196-3-220-EB-3-232.	8,232.00	2,964.00	1,470.00	535.00	1,235.00	13,901.00
19.	Drivers	5	260-6-290-EB-6-326-8-366-EB-8-390-10-400	1,300.00	468.00	228.00	81.00	195.00	2,191.00

Contd. 3/-

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Sl.	Post	No. of posts	Scale	Pay	D.A.	Addl.D.A.	Winter allowance	House rent allowance	Total excluding winter allowance
20.	Accounts Officer	1	840-40-1200	840.00	227.00	105.00	40.00	63.00	1,235.00
	Total Personnel	298	Total monthly expenditure	1,13,047.00	32,990.00	15,486.00	6,540.00	14,475.00	1,75,998.00

x 12

21,11,976.00

Plus winter allowance for six months-
(6 x 6540 39,240.00

Total 21,51,216.00

Average of Minimum expenditure = Rs.21,51,216.00
+ Rs.32,60,652.00
Rs.54,11,868.00 ÷
= Rs.27,05,934.00

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ANNEXURE 'B' (2)

FINANCIAL IMPLICATION OF ENGINEERING ORGANISATION

MAXIMUM OF SCALE

Sl. No.	Post	Pay	D.A.	Addl.D.A.	Winter Allowance	House rent allowance	Total excluding winter allowance.
1.	Chief Engineer	2,750/-	-	-	-	200.00	2,950.00
2.	Executive Engineers	9,600/-	1458.00	600.00	-	720.00	12,378.00
3.	Architect	1,600.00	243.00	100.00	-	120.00	2,063.00
4.	Assistant Engineers	36,000.00	7,290.00	3,000.00	1,200.00	2,700.00	48,990.00
5.	Assistant Architect	2,400.00	486.00	200.00	80.00	180.00	3,266.00
6.	Sub-Engineers	50,400.00	13,608.00	6,300.00	2,880.00	3,780.00	74,088.00
7.	Draftsmen	4,480.00	1,210.00	560.00	269.00	672.00	6,922.00
8.	Tracers	6,020.00	1,625.00	753.00	361.00	903.00	9,301.00
9.	Divisional Accountant	4,000.00	1080.00	500.00	200.00	300.00	5,880.00
10.	Accounts Clerk Junior Divisional	5,600.00	1,512.00	700.00	336.00	840.00	8,652.00
11.	Superintendent	1,200.00	243.00	100.00	40.00	90.00	1,633.00
12.	Head Assistant Divisional Officer	2,800.00	756.00	350.00	160.00	210.00	4,116.00
13.	U.D.As.	13,440.00	3,629.00	1,680.00	806.00	2,016.00	20,765.00

Contd. 2/- ...

Sl. No.	Post	Pay	D.A.	Addl.D.A.	Winter allowance	House rent allowance	Total excluding winter allowance
14.	L.D.As. & Typist	22,400.00	6,048.00	2,800.00	1,344.00	3,360.00	34,608.00
15.	Stenographer Grade I	1,040.00	243.00	100.00	40.00	78.00	1,461.00
16.	Grade II Stenographer	4,800.00	1,296.00	600.00	240.00	360.00	7,056.00
17.	Duftry	1,250.00	450.00	219.00	81.00	188.00	2,107.00
18.	Peons Sweepers Chowkidars etc.	9,744.00	3,508.00	1,705.00	633.00	1,462.00	16,419.00
19.	Drivers	2,000.00	468.00	250.00	120.00	300.00	3,018.00
20.	Accounts Officer	1,200.00	243.00	100.00	40.00	90.00	1,633.00
		1,02,724.00	45,396.00	20,617.00	8,830.00	18,569.00	2,67,306.00

x 12

32,07,672.00

Plus winter allowance (6 x 8830) = 52,980.00

32,60,652.00

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Agenda Item No... VII (5)

NORTH-EASTERN HILL UNIVERSITY
Shillong 793 001

No.VCF 21 CD:Genl(1)/75
November 11,1975

NOTES FOR THE EXECUTIVE COUNCIL

The Finance Committee in the meeting held on 8.10.75 has sanctioned Rs. 1 lakh for conducting the contour survey of the Campus site. Subsequently, it was learnt from the Deputy Director of Survey of India that the contour survey of the Campus site has already been completed as the area falls within Greater Shillong. Thus we do not have to spend anything on contour survey.

A vehicle is immediately necessary to get things expedited. This will become more urgent with the progress of work.

It is, therefore, suggested that the amount of Rs. 1 lakh earmarked for conducting the contour survey be reappropriated for purchase of two jeeps.

The proposal may kindly be approved.

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