FD 87 ① 12

Sectt. II-27—60,004—17-11-48.

Edn. & P.H. (194 9) Department.

? MS SERIES.

G.O. NO. 3985 Edn

Dated 29=12=49

[illegible]

22

[Despatch Abstract.]

Universities- Students training- Report of the Refractories and Ceramics Panel- Papers recorded

Extracts from the Report of the Refractories & Ceramics Panel — Public (P&D III)

No. TC 723/45

2A

Refractories and Ceramics Panel.

The draft report of the Panel is on pages 30-159 c.f. No. remarks have been communicated to the Industrial Adviser to the G. of India. The final report is awaited.

Sd. 13/11/46

The final report has not yet been received. There is no point on which action has been omitted to be taken.

We may now examine the suggestions contained in paras 55-59 of pp.59-60 c.f. and at 'M' on page 72 c.f.

Sd. 18/2

Dev & Edn are concerned with paragraphs 55-59 & Dev. with M on p 72 c.f. These deptts may see for remarks taking extracts if necessary & return the file as soon as possible.

Sd. - Dev/ 18/2

Dev Deptt. (D II).

To A.S.

This has been sent to this department with reference to 'Z' on page 8 above. This Dept. is concerned with paras 55-59 on page 59-60 c.f. and with ~~p~~ 'M' on page 72 c.f. This section is concerned with only 'M' on 72 cf. and 'DI' is concerned with paras 55-59 on page 59-60. c.f.

E and P.H. Dept. are concerned mainly with paras 55-59 on page 59-60 c.f. as pertaining to University Education. That Deptt. will no doubt consult this department before a decision, if any, is reached in this matter. (Para 62 of the report also seems to be a sequence of paragraphs 55-59)

This file may be passed on to E & P.H. Deptt.

Extracts pertaining to the Title Industry (on page 72 c.f.) may be taken/and ~~to~~ the file passed on to E. & P.H.

A.M. 5-3-47

E & PH (G3)

Extract of relevant portions in c.f. has been taken for necessary action. The file may now be returned to Public (P&D).

Sd. 5-5 Das. AS IV.

Para 55. The question of Technical education has received considerable attention in recent years, but there has been a great deal of confusion of thought regarding this very important subject and much useful energy has been misdirected in the attempts to impart this education. We feel that there has not been a clear idea in the public mind of what its aim should be. The universities and other educational institutions have proceeded along certain lines, but their graduates are found sadly wanting in the requirements of the industry. The main reason for this is that there is no co-ordination between the teaching institutions and the industry.

56. Mentioning specifically the case of Ceramic education we find that some of the educational institutions have tried to fit up incomplete

incomplete small manufacturing plants, but sufficient attention has not been given to equip the laboratories with proper apparatus to train the students in basic scientific knowledge which is essential for the development of the Ceramics industry. It is necessary that knowledge of fundamental principles of sciences be thoroughly ~~thoroughly~~ known to the technical students of these institutions.

57 We fell, therefore, that proper stock of what has gone on in the way of technical education in the country be taken and under the guidance of a properly constitutied technical and educational body the future programme of this education be drawn up.

58 There are in the main three categories of personnel required for a plant: (a) Research and (c) Artisans.

We propose that centres ~~of~~ for training students in Ceramics industry be opened at the following places:

(a) Calcutta University
(b) Benares Hindu University
(c) Bombay University
(d) Punjab University
(e) Madras University
(f) Nagpur University.

These institutions will cater for the (a) and (b) type of staff required by the industry.

59 We propose that a committee be appointed which should formulate syllabus for all these institutions and ~~ourk~~ work out a plan by which students turned out from these institutions are fit enough to be absorbed by the industry. For the consideration of this committee we suggest that the cirricula of the industrial training in the universities be thoroughly overhauled. Instead of having a two-year course of I.Sc. after the matriculation, a good degree course of 3 or 4 years be constituted in which students are given training in general principles of Engineering along with English, Mathematics, Physics, Chemistry and Geology. After passing this examination a student should be at liberty to choose any particular industry for specialisation. This may be taken as the M.Sc. course of 2 or 3 years as considered fit. During this course the long months of vacation should be done away with. Instead the students should be given opportunity in some industrial plant. We have noticed that so far most of the industrial concerns are not co-operating in giving facilities for this training. To overcome this difficulty we suggest that students who are admitted to M.Sc. course in the University should be nominated or selected in ~~xxx~~ consultation with the industry so that they can get proper factory training and after completing their education be easily absorbed in the industry. For training abroad only such students should be selected who have been attached to a particular factory for not less than two years after their graduation. It will serve no useful purpose if students from educational institutions are sent straight to foreign countries without having any previous knowledge of the conditions of the Indian industry, even though they have been very brilliant in their academic career.

3a ③

25593

31/3(57)

60, 61, 62

60. . .

We suggest that the Government should help in securing admission in foreign institutes and factories for such members of the technical staff of the existing factories as they would like to send for higher training abroad.

(b) RESEARCH

61 The research personnel naturally should come from very carefully selected graduates who show proper aptitude for this type of work during their academic career. The fellowship plan which has been found to be of such great benefit in U.S.A. can with profit be introduced here. This is how it works. An industry may have a problem. A manufacturer or a group of manufacturers in the industry assigns the problem to a graduate student who is working for a higher degree. The student works on this problem under the guidance of a professor of a university or director in an industrial research institution. His work this problem fulfils part of the requirements for higher degree. He gets paid by the manufacturer during the period he is working at the university. At the end of his work, his findings become the property of the manufacturer maintaining the fellowship. We do not see why a similar plan cannot be developed here.

(c) ARTISAN

62 For the third type i.e. artisan class we propose that to the above mentioned institutions should also be attached training centres where artisans type of operatives required by the industry could be trained. We have gathered from

P.T.O.

the evidence submitted to us that there is considerable room for improvement in the system of apprenticeship in order that better grade of Indian artisans can be produced. We suggest that in these training centres highly skilled artisans of each trade such as modellers, jollymen, firemen, etc., should be brought from foreign countries and the Indian artisans should be trained under them, or on the Bevin boys scheme Indian artisans of experience should be sent abroad in batches to get further experience and training for a period of say, six months or so. This is the only practical way of getting good and quick results, we can think of. We feel that if the intelligent Indian artisans see how work in that trade is done in other countries it will have a great effect in improving their methods of manufactre, both for quality and quantity.

80+92
29/4

E.& P.H.(G.3) (4)

Letter/Ref.No.25593/53/47 Edn., dated 29/4-1947.

Encl
Extract of paras 55-59 and (? 59-60) of para 62 and 64 of L.F. below.

To

The Registrar, University of Madras, Madras. (with encl)

The Registrar, Annamalai University, Annamalainagar.

The Registrar, Andhra University, Waltair.

Sir,

Refractories and Ceramics Panel.

I am directed to forward an extract of the draft report of the Panel on Refractories and Ceramics ~~Panel~~ Industries and to request you to obtain and communicate to Govt. the views of the University on the proposals contained therein.

Y.O.S.,

29/4/47

II Draft.

PTO

II Draft. 6

Refractories and Ceramics ~~Panel.~~ – Report of the Panel 30/4

Memo. No. 25593 93(a)–2 — Edn., dated 29/4-1947.

~~xxxxxxxx~~ An extract from the draft report of the Panel on Refractories and Ceramic ~~Panel~~ Industries is communicated to the D.P.I., and he ~~who~~ is requested to offer his remarks on the proposals contained therein at an early date.

paras 55-59 and of 59-60 of R.F. & para 62 and 62 9 of C.F.

AV
26/4/47

26-4-47 J.S.

To the D.P.I. with encl.
Extract of paras 55-59 and of 59-60 of & paras 62 and 62 9 of R.F.

30/4

7

All official letters, packages etc., should be addressed to the Registrar by designation and not by name.

[221/46 (19-12-46) 5,000]

ANDHRA UNIVERSITY

(5) 5a

Waltair, 26th May 1947

TELE { GRAMS: "UNIVERSITY" WALTAIR.
{ PHONE: WALTAIR, No.

No. Cl-2847(2)/47

Encl.

JOINT SECRETARY TO GOVERNMENT
9 MAY 1947
EDUCATION AND PUBLIC HEALTH DEPT.

From THE REGISTRAR, ANDHRA UNIVERSITY.

To The Joint Secretary to the
Government of Madras,
Education ~~&~~ Public Health Dept.,
Fort St. George, MADRAS.

45230

Sir,

Sub: Refractories and ceramics panel. – P5 aute
Ref: Your letter No. 25593/43/47-1
Education dated 29th April '47.

****

I have the honour to inform you that your above letter will be placed before the next meeting of the Syndicate on 7.6.47 for its consideration and its views will be forwarded to you soon after the meeting.

b.a.

K.V. Gopalaswamy
Registrar.

Edn. (G.3)

Further report from the Registrar, Andhra University may be awaited till 15/6/47

30/5/47

AV
30/5/47

30.5.47

Please see below. A reminder to other universities ... submitted for approval.

⑥ 6a

9

E.& P.H.(G.3)

Letter/Ref.No. 25593G3/47-2 Edn., dated 30/5 1947.

To

✓ The Registrar, University of Madras, Madras.

✓ The Registrar, Annamalai University, Annamalainagar.

Sepd 5/6

Sir,

Sub:- Refractories and Ceramics Panel.

P5 g

~~Ref~~ I am directed to invite a reference to my letter Ref.No.25593-G.3/47-1 Edn., dated 29-4-47 and to enquire when a reply may be expected.

Y.O.S.,

30.5.47

30/5/47

30/5/47

No. A2402. 11 UNIVERSITY OF MADRAS. G5 ⑦ 7a 10

From
THE REGISTRAR,
UNIVERSITY OF MADRAS.

To
The Secretary to the Government of Madras,
Education and Public Health Department.

University Buildings,
Chepauk, Madras,

6 JUN 1947

Sir,

Ref: Your letter No.25598 G.3/47-2 Edn. dated the 30th May 1947 regarding reference relating to the recommendations of the Refractories and Ceramics panel.

- - -

48154

I have the honour to inform you that the communication referred to above will be placed before the Syndicate which is likely to meet at the end of this month.

Your obedient servant,

R. Rajeswaran

for REGISTRAR.

ks/6/6/-

E&PH(G1)

A ~~see~~ further report ~~from~~ the Registrar, Madras University, may be awaited till 5/7/47.

10/6/47

10.6.47

13 93 (8)

8a

All communications should be addressed to the Registrar, Annamalai University, Annamalainagar by designation and not by name.

ANNAMALAI UNIVERSITY

No. 1995

9th June, 1947.

ASSISTANT SECRETARY TO GOVERNMENT
10 JUN 1947

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

The Joint Secretary to Government,
Education & Public Health Department,
Fort St. George, Madras.

Sir,

P 9 ante

Ref:- No.25593/G3/47-1 Education dated 29-4-47.

4+405

I am directed to inform you that the subject will be placed before the Syndicate at its meeting to be held in July next and a reply sent to you immediately after the meeting.

Your obedient servant,

Ag.Registrar.

Exp H (G3)

Please see the letter from the Registrar, Madras University, in p. 11 ante and that from the ~~Re~~ Registrar, ~~Madras~~ Annamalai University above. Their further reports and ~~together~~ ~~with~~ the report from the Registrar, Andhra University, may be awaited till 10/7/47.

P 13 above

P 7 ante

10/6/47

S. 10.6.47

15 ⑨

9a

ANNAMALAI UNIVERSITY

No. 2107.

11th June 1947

G3

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY
ANNAMALAINGAR

G3/1889

To

The Secretary to Government of Madras,
Education & Public Health Department,
Fort St. Goerge, Madras.

ASSISTANT SECRETARY TO GOVERNMENT
12 JUN 1947
EDUCATION AND PUBLIC HEALTH DEPARTMENT

Sir,

E9153

Ref:- No.25593 G-3/47-2 Ldn. dated 30-5-47.-
Refractions and Ceramics Panel.

The matter is being placed before the Syndicate at its meeting to be held in July next and a reply will be sent immediately after the meeting.

Your obedient servant,

Ag. Registrar.

P9aute

10

16

E&PH/(G3)

The further report from the Annamalai University may be awaited till 10/7/47

19/6/47

19.6.47.

20.6.47

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17 (10) G3 9/7/47

No. A2808 UNIVERSITY OF MADRAS.

From
THE REGISTRAR,
UNIVERSITY OF MADRAS.

To
The Joint Secretary to the Government of Madras,
Education and Public Health Department.

11 JUL 1947

University Buildings,
Chepauk, Madras.

Sir,

56785

Ref: Your letter 25595/G5/47-1 Education, dated the 29th April 1947 for the views of the University on the report regarding training of students in Ceramics in various University Centres.

I have the honour to inform you that the Syndicate considered the above reference at its recent meeting and resolved as follows:-

'With slight modifications that may be suggested by its expert bodies the University considers the scheme suitable and is prepared to open courses in the College of Technology provided the Government will give the necessary facilities.'

Your Obedient Servant,

R. R. Sundaram
for REGISTRAR.

STA/9/7/-

19 G3 11a (11)

[62/44 (5-5-44) 5,000]

All official letters, packages etc. should be addressed to The Registrar by designation and not by name.

ANDHRA UNIVERSITY.

~~GUNTUR.~~
Waltair.

TELE { GRAMS: ~~UNIVERSITY GUNTUR~~
PHONE: ~~GUNTUR No. 8~~

10th July 1947.

ASST. SECRETARY TO GOVERNMENT
15 JUL 1947
EDUCATION AND PUBLIC HEALTH DEPT.

No. Cl.-2847-47.

Encl.

From THE REGISTRAR, ANDHRA UNIVERSITY.

To

The Joint Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, Madras.

Sir,

57586

Sub: Refractories and Ceramics Panel.

Ref: Your letter No.25593/G3/47-1 Edn. dated 29-4-47. P. 5 [illegible]

I have the honour to inform you that the Syndicate at its last meeting considered your above letter forwarding therewith an extract of the draft report of the Panel on Refractories and Ceramics Industries and resolved, while agreeing in general with the proposals of the Refractories and Ceramics Panel, to communicate the following detailed views to Government on the subject:-

There are two questions to be considered in connection with the Report:-

(1) Reorganisation of Technical Education and
(2) Starting of training centres in Ceramics.

R

With regard to the first, the report under consideration suggests a reorganisation of the whole collegiate instruction. It requires the abolition of the Intermediate Course and starting of a degree course of 3 to 4 years with subjects, which give basic knowledge required for the later study of Ceramics. The University has already expressed its opinion against the abolition of Intermediate course, and it is to be considered whether it is desirable to reorganise the whole collegiate education with a view to equip students for a particular profession. The Report rightly points out that with the present equipment of the laboratories it is not possible to give the required training, but here it is possible to meet the requirements of Industry by installing better machinery, if Government or Industries provide sufficient funds.

With regard to the practical training, this University has been insisting on two months practical training in an approved Factory in the case of students taking Technological courses; this might perhaps be extended if the suggestions contained in the Report that the vacation should be cut down, is accepted. The Director of Public Instruction has already addressed the University with regard to the desirability of increasing the number of working days. This is a possibility which might be explored.

This has been begun

The suggestion, contained in the Report that students admitted into M.Sc. course in the University should be selected in consultation with the Industry, is not desirable or practicable. In the first place, there is no organised body representing the whole Ceramic Industry, which might be consulted in the matter, and in the second place, the University has got its own standards of academic attainments which are laid down in conformity with the general educational standards, and it is not desirable to change them to suit the requirements of any particular industry, though they might be formulated with a view to adapt them to general requirements.

With regard to the second question, the Report suggests the starting of six centres. These centres are selected perhaps from the point of view of the size of the Universities, rather than of the experience of the Universities in the investigations of the type of problems that are discussed in the Report. The criterion adopted by the Report is irrelevant and if any University deserves to obtain the assistance of the Government in organising research and training centres in Ceramics, it is the Andhra University.

It is therefore a very glaring omission with regard to the list of Universities where training for Ceramics is to be organised to train Supervisary staff and research work for the Industry. The Andhra University has been organising research work in Ceramics for the last ten years and the Council of Scientific and Industrial Research has been financing for the last five years a scheme of Ceramic research under Prof. G.Gopala Rao of the University. Two of the research workers on the scheme under him have been selected by the Provincial and Central Governments for overseas deputation for training in Glass and Ceramics. Two students have worked for the M.Sc. degree by research in Ceramics. The University has also conducted a survey of the neighbouring districts for the occurrence of Ceramic raw materials and the publication on the subject has received the attention of the Geological Survey of India and Industrialists. The University has under its auspices a very well organised Department of Chemical Technology, conducting courses in Chemical Engineering, Sugar Technology and Pharmaceutics leading to the B.Sc.(Hons.) and M.Sc. courses. Under the curricula of the University, the training in basic sciences and intensive training in a specialised Industry (Sugar or Pharmaceutics) are given together with compulsory practical training in factories. It is a matter of pride for the University that several of its graduates from this Department have been selected by the Provincial and Central Governments for technical training abroad and Industrialists for responsible positions in the Industries. In view of the existing facilities for general technological Education and in view of the organisation of Ceramic research at the Andhra University during the last ten years, it is believed that the Andhra University is an appropriate place for the proposed course of training in Ceramics. It may also be noted, in this connection that at the Univerity Prof. G. Gopala Rao of the Chemistry Department has been engaged in research work on the utilisation of various minerals and his assistance has been requisitioned by the Government of Madras in connection with many schemes of mineral investigation.

In view of the existing well organised Department of Chemical Technology and the courses of study conducted for the last fourteen years on similar subjects and in view of the organisation of Ceramic research at the University under Prof. G. Gopala Rao, it is suggested that Rao Sahib C.J. Dasa Rao, Head of the Department of Chemical Technology and Prof. G. Gopala Rao be co-opted as members of the proposed Committee for drawing up the detailed curricula for Industrial training in various Universities.

I am accordingly to request by direction of the Vice-Chancellor and the Syndicate that the Government may be pleased to organise a centre in this University for training students in Ceramics industry and to appoint the above members of the staff of this University on the Committee to be appointed for drawing up the detailed curricula for the industrial training in the various Universities.

KVGopalaswamy.

Registrar.

Copy to the Director of Public Instruction, Madras for information with reference to his letter R.C.No.926-E/47 dated 23-5-47.

S.a.

E&PH (G3)

Please see the letters from the Madras and Andhra Universities on p.p. 17-21 on ~~[illegible]~~ These may be examined together with the reply from the Annamalai University which is awaited. A draft reminder to the Annamalai University is subd. for app.

17/7/47

18/7/47

23

13a

E.& P.H.(G.3)

Letter/Ref.No.25593 G3/47- 3 Edn., dated 21-7-1947.

Desp 26 22/7

To

The Registrar, Annamalai University, Annamalainagar.

Sir,

Sub:- Refractories and Ceramic Panel.

Ref:- Correspondence resting with your letter No.2107 dated 11-6-47.

I am directed to enquire when ~~your~~ the final ~~reply~~ report on the subject may be expected.

Y.O.S.,

18.7.47

17/7/47

18/7/47

23/7/47

115 cf

14

All communications should be addressed to the Registrar, Annamalai University, Annamalainagar
by designation and not by name.

14a

ANNAMALAI UNIVERSITY

No. 4375

9th August, 1947.

ASST. SECRETARY TO GOVERNMENT
EDUCATION AND PUBLIC HEALTH DEPT.
13 AUG 1947

From
THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To
The Secretary, to Government,
Education and Public Health Department,
Fort St.George, Madras.

Sir,

65587

Ref: No.25593/G3/47-1 Edn.dated 29-4-47-- P5 ante
Refractories and ceremics Panel.

The Syndicate considered the above reference at its meeting held on the 19th July 1947 and I am directed to communicate the following views of the University on the subject.

The University considers that the existing Engineering and Technology Courses are quite sufficient for training the supervisory personnel and agrees the facilities should be given by Industry for Practical Training for such students during their course at the University and that legislation should be enacted to enable industry to offer them facilities.

Ag.Registrar.

26

E4144(G73)

Please see the letter from the Annamalai University at p 25 ante.
This may await the reply from the DPI to the memo on p 6 ante; till ~~13~~/9/47

22-8-47

ref
21/8/47
ar
21/8/47

---

27 G3 ⑮ 15a

C.F. 32 (a).

EDUCATION Department

From (Name) Dr. S.R.U. Savoor, M.A., D.Sc., I.E.S.,
Designation Director of Public Instruction,
Station MADRAS.

27 AUG 1947

Received Registered

To

The Secretary to Government,
Education and Public Health Dept.,
MADRAS.

Enclosures:

R.C.No. 926-E-47 dated 21st August 1947.

68691

Sir,

Sub: Refractories and Ceramics - Report of the Panel.
Ref: Government Memo.No.25593-G-3/47-2 Edn. dated 29.4.47.

I have the honour to report that the University of Madras and the Andhra University have already submitted their views on the subject direct to Government and I have no further remarks to offer.

R. Narasimha

for Director of Public Instruction.

Ramu.25/8.

27/8

26

28

Public (P.& D.) III

16a

(16)

Refractories and Ceramics Panel

Extract of notes from C.No. 78735 P.D.III/45

p.7 n/f. L.F.

The draft report of the Panel is on pages 30--159 c.f. No remarks have been communicated to the Industrial Adviser to the Govt.of India. The final report is awaited.

Sd......
13--11--1946.

The final report has not yet been received. There is no point on which action has been omitted to be taken.

pp.7-8 n/f. L.F.

We may now examine the suggestions contained in paragraphs 55-59 of p.p.59--60 c.f. and at 'M' on page 72 c.f.

Sd...
J.S.
18.2.47.

p.8 n/f. L.F.

Devt. and Education ~~and~~ are concerned with paragraphs 55-59 and Devt.with M on p.72 c.f. These departments may see for remarks, taking extracts, if necessary and return the file as soon as possible.

~~Sd~~....... Sd....
26.2.47

Devt.Deptt.(D.II)

To

U.S.

p.9 n/f L.F

This has been sent to this department with reference to Z on p.8 above. This department is concerned with paras.55--59 on pages 59--60 c.f.

A

E.& P.H.Deptt.are concerned mainly with paras 55--59 on pages 59--60 c.f. as pertaining to University Education. That department, will, no doubt consult this department before a decision,if any, is reached in this matter. (Para.62 of the report also seems to be a sequence of paragraphs 55--59).

The file may be passed on to E.& P.H.Deptt.

Extracts pertaining to the ~~Title~~ ~~Textile~~ Tile industry (on p.72 c.f) may be taken and the file passed on to E.& P.H.

Sd. A.M.
5--3--1947.

E.& P.H.(G.3)

Extract of relevant portions in the n.f. and c.f. has been taken for necessary action. The file may now be ~~pxxx~~ returned to Public (P.& D.)

p. 9 n.f. & c.f.

Sd.S.S.D(as).
Asst.Secy.IV.
20-3-47.

Please see the ~~xxx~~ extracts of notes of the Public (P.& D.) and Devt.Departments, and also paragraphs 55--59 ~~x~~ +62 of the draft report of the Panel on Refractories and ~~xxxxxxxx~~ Ceramics ~~Panel~~ Industry extracted in the c.f. The remarks of the Universities and the D.P.I. may be called for. A draft letter ~~xxxthe~~ and a draft memo. are submitted for approval.

26-4-47

26/4/47

av 26/4/47

E&PH(G3)

[Issued as letter (Ref No. 25593/G3/47-1 Dated 29/4/47] - P5 cf

[Issued as Endt No. 25593 G3/47-2 Dated 29/4/47] P6 cf

No.58785/47 - From the Registrar, University of Madras, No. A-2808 dt 9.7.47. P17 cf

" 57586 - From the Registrar, Andhra University, No. cl.2847-47 dt 10/7/47 PP19.21 cf

No.65587/47. From the Registrar, Annamalai University No.4375 dt 9.8.47. P25 cf

No.68691/47. From the D.P.I. Rc No. 926 E/47 dt 21.8.47. P27 cf

Please see the letters from the Regis-

trars

Registrars of the 3 Universities and the D.P.I. on pp 17, 19-21, 25 and 27 c.f. The Registrar, University of Madras, states that, with slight modifications that may be suggested by the expert bodies, the University considers the scheme suitable and is prepared to open courses in the College of ~~Technology~~ Technology provided the Government promise necessary facilities. The Registrar, Andhra University, agrees in general with the proposals of the Refractories and Ceramics Panel and requests the Govt. to organise a centre in the Andhra University(which is most suited for the purpose) for training students in Ceramic Industry and to appoint Rao Sahib Dasa Rao, Head of the Deptt. of Chemical Technology and Professor G. Gopala Rao of the Chemistry Department, as members of the proposed committee for drawing up the detailed curricula for Industrial training in the various Universities. The Annamalai University considers that the existing Engineering and Technology courses are quite sufficient for training the supervisory personnel and agrees that the ~~facul~~ facilities should be given ~~xx~~ by Industry for practical training for such students during their course at the University and that legislation should be enacted to enable Industry to offer them facilities. The D.P.I. states that he has no remarks to offer in addition to those given by the Universities.

K | PP19-21 cf

P27 cf

It is not clear what facilities are required from the Government by the Madras University for opening the courses in question. Presumably financial help will be sought for. The Andhra Univt will also require the same. ~~The Madras and Annamalai Universities do not appear to be keen in pursing the matter; Nor is the D.P.I. helpful in the matter.~~ This is a matter mainly for the Industrial Department. The courses required to be opened for the organization and development of ceremic industries on scientific ~~xxxxx~~ lines, taking stock of the existing concerned trades and the facilities in the Universities for ~~trades for~~ training etc., may have to be determined first by an expert committee of the kind referred to by the Registrar, Andhra University. Subject to orders, the file may be sent to Public (P. & D.).

Please see below. R

"Q"

5/9/47

av 5/9/47

7.9.47

AS II / S 9/9/47

The Annamalai University apparently does not want to start the course. The Andhra Univ: wants it; it has not been mentioned in the list at p:2 (?) ante; it is in charge [illegible] Inquiries. The suggestion for the appointment of a [illegible] at p: 2 a[illegible] may be opened in. With reference to 'T' above, the difficulty raised at 'R' at p. 19 cf. may be pointed out. The suggestion at 'M' at p. 21 may be forwarded.

R

It is only after the Committee has drawn up the syllabus that the Madras & Andhra Universities will be able to say finally whether they can start the course, what help they would require from Govt. The latter question may be considered at that stage.

M. (Cons.) may see the case.

'Q'

10/9/47 Pub.(P&D).

E&PH (G3)
U.O. No. 2559393/47-3 Edn
11/9/47

7778
12 SEP 1947

Pub. (P&D III) Dept.

E&P. H. dept. note on pp. 1-4 above may be perused. With reference to A on p. 1 above, the file may now be sent to Dev. dept. ~~[illegible]~~.

17/9/47 17/9/47

17/9/47 DW

76039

U.O. No. 7778 Pub(P&D III)/47-1
17/9/47

UNDER SECRETARY
19 SEP 1947
DEVELOPMENT DEPARTMENT

Tr to DII

89164 DII
19/9/47

To AS

Dev Dept (DII)

Notes from p1 above may be perused and the file returned to E & P H dept.

22/9/47

AM
22-9-47

Diary: 0891640II
~~Through DS~~

E&P.H

E&PH (G3)

K

Please see the notes of Public (P&D III) Dept. and Devt. Deptt. on p. 4 ante. Public Dept. apparently want Devt. to ~~[illegible]~~ deal with this case hereafter. Please see in this connection this deptt. note at 'R' on pp. 3-4 ante. This may be sent back to Devt for taking further action in the matter. The question of taking up the matter with the Universities does not arise at this stage.

95140 DII
4/10/47

29/9/47

28/9/47

1/X/47 Dvt

E&PH (G3)
U.O. No. 2559393/47-4 Edn
3/10/47.

Dev Dept. (DII)

To AS

The notes of E&P.H above may be perused.

The file has been started on an extract of the notes of (Public P&D. C.No. 78735 P&D III/45.

pp1-4 cf

extract at pp 1-4 cf

The file deals with the recommendation of the Panel on Ceramics and Refractories ~~main~~ with special reference to the training of Students in Ceramics ~~with~~ in various University centres. The views of the Madras University, the Andhra University and the Annamalai University are at p17 cf: pp19-21 cf and p25 cf. respectively. ~~The file has been sent to this depts. in r/t 'R' on p 4 above~~ Pub (P&D) Dept. have sent extracts from the Report of the Panel on Ceramics and Refractories ~~which~~ to the E & P. H. dept., so that they may take action on paras 55-59 and para 62 of the panel's report, with reference to the suggestion to introduce Ceramics in the Universities. They have forwarded the original file to Devt. and E&P.H. depts. in order that these depts. may take extracts of portions with which they are

p17 cf: pp19-21 cf and p25 cf

✓ pp1-2 above

C.No. 78735 P&D III/45

Rz 95140 DII/47

concerned. ~~Pub (P&D) have stated that~~ When the original file came to this dept., necessary extracts regarding tile industry have been taken from the Panel's report for being dealt with in this dept. and the case passed on to E&P.H. for action regarding the portion for introduction of ceramics in the universities. It has also been remarked in this dept. that before a decision is taken in this matter in the E&P.H. dept., they may consult this dept. also. ~~When Pub (P&D) dept.~~ The E&P.H. dept. to whom the original file was passed on, have duly consulted the universities in this province and the D.P.I. on the matter and their remarks on the views of the universities are at pp 2-4 above

× Lr [illegible] 22252 DIII/47 26/9/47 not put up

'A' on p1 above

✓ p5 cf

p6 cf

2. The Secy, E&P.H. dept. has noted that after the constitution of a Committee of the kind suggested by the Andhra University at 'M' on p21 cf and after such a Committee has drawn up the Syllabuses etc. regarding the introduction of a Course of Ceramics and Ceramic training Centres at the Universities, the Universities will be able to say what kind of assistance they require from the Govt. He has accordingly ordered that the question of financial or other help from the Govt. may be taken up at the stage when the proposed Committee has drawn up a programme of curricula for the introduction of ceramics in the Universities. He has also ordered that H.M.(Edn) may see the case and the file has been sent to Pub (P&D) for remarks. That dept. have noted after perusal of the~~se~~ ~~current~~ case that it may be sent to Devt. with reference to 'A' on p1 above and not that the case may be transferred× to Devt. for further action in the matter. There is clearly no action which this dept. has to take in this matter of constituting a Committee from the Universities to draw up a programme and this dept. cannot ordinarily circulate the case to H.M.(Edn) as ordered by Secy, E&P.H. This dept. have already taken relevant extracts from the Panel's report and ×taken action thereon. As regards the extracts with which E&P.H is concerned, ~~they require~~ this dept desired to be consulted before a decision is taken. E&P.H. dept. alone are therefore to take further action in this matter. With these remarks the case may be returned to E&P.H.

×'R' on p4 above

~~p3 cf~~

p4 above

×'Q' on p4 above

p4 above

×as presumed at 'K' on p5 above

'Q' on p4 above

×c 22252 DIII/47 [illegible]

✓'A' on p1 above

ASST. SECRETARY TO GOVERNMENT
82665
16 OCT 1947
HEALTH DEPT.

[illegible] 10/10/47

AS III 14/10/47

J.S.

CR 14.10.47

14/10

Thro P&D III

11/x/47

Devy. 095/40
Dated [illegible]

E and P.H. Deptt
93

Please see Devt. note on pp 5-6 ante.

The file relates to the draft report of the panel ~~of~~ on Refractories and Ceramics Industries formed by the G of I. In that connection this Govt. was asked to send their representatives and those of the Provincial Industries committees to attend a meeting ~~before making~~ of the panel with the representatives before making its final report to G of I. No representative of this Govt. attended the meeting. The final report of the Panel has not yet been received.

p 27 cf in l.f

p 5 cf in l.f.

On the matters mentioned in the draft report relating to this deptt, the remarks of the Madras, Annamalai and Andhra universities were called for. They are at pp 17, 19-21 and 25 cf. The Madras University considers the scheme suitable and is prepared to open the courses in the College of Technology provided Govt. promise necessary facilities. The Andhra University, while agreeing in general with the proposal requests the Govt to organise a centre in the University for training students in ceramic industry and to appoint Rao Sahib Dasa Rao, Head of the Deptt of Chemical Technology and Professor G. Gopala Rao of the Chemistry Deptt. as members of the proposed Committee for drawing up detailed curricula for ~~the~~ training in various universities". The Annamalai university apparently does not want to start the courses. The D.P.I.

p 5 cf

p 17 cf

pp 19-21 cf

p 25 cf

has no further remarks to offer in the matter. p. 27 cf

As the meeting referred to above has already taken place and the final report of the Panel is awaited, ~~[illegible]~~ it does not seem necessary now to forward to Govt. of I the views of the Universities together with the remarks of this dept. in the matter. pp 3-4 ante The suggestion of the Andhra University for appointing the persons mentioned by it ~~to~~ the committee proposed for preparing the curricula may be taken up after the final report of the Panel is received. No action seems called for at present. Subject to orders, the file may be sent to Dev. (P&D. III) with the request that they may send their file ~~after cross~~ with this after the final report of the Panel is received.

x Dev. (P&D) [illegible]

N

12.11.47

12.11.47

13/11/47

Dev: (P&D. III)

111414 D II E&PH (G2)
14/11/47

U.O. No. 25593 P3/47-5

13/11/47
Recd on 17/11/47
LF
17/11/47
C.M. 28735 P&D III/45

Dev. (P&D III) Dept.

E&P.H. note from p. 7 above may be perused. Neither the final report of the Panel, nor the decision of India on the recommendations of the Panel has ~~been~~ so far been recd. This may therefore lie over till the final report of the Panel is recd. After the receipt of the final report, this may be sent to E&P.H. as desired by them at N above

27/11/47

27/11/47

M

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20 20a 9

Dev (P&D III) Dept.

II on p. 8 above

+ kept in the LF

p. 10 of file 28735 P&D III/45 LF

N on p. 8 above

Orders at the bottom of p. 8 above. The final report+ of the Panel on Refractories and Ceramics industry has since been recd. from India and examined in the LF. The file may now be sent to E&P.H. Dept. w.r. to their request at N on p. 8 above.

23/11/48

23/11/48

24/11/48 E&PH

Dev. U.O. No. 11/414 P&D III/-1
with Dev. Dept file 28735 P&D III/45 as LF
24/11/48

87591
25 NOV 1948

E.& P.H.(G2).

The case relates to the action to be taken by the Universities and the Govt. on the suggestions in the Report of the Panel set up by the Govt. on Refractories and Ceramics. Attention is invited to the notes ~~on~~ from page 2 ANTE, written when a draft of the report was forwarded by the G. of I. The final report of the Panel has now been received, but the views of th G. of I. on the several recommendations contained in the Repor have not been received.

kept in the linked file

2. The Recommendations with which E.& P.H. are concerned relate to the starting of University Centres for training students in Ceramic education and generally for the training of the Ceramic Industry. So far as this Province is concerned, the Panel's Recommendation is that the Madras Universityx may b one of the Centres for the purpose in India. The views of all the three Universities have however been obtained. Of these the Madras University accepts the scheme, with such modifications as may be suggested by the expert bodies and is prepared to open courses in Ceramics in the College of Technology provided the Govt. will give the necessary facilities. The Andhr University also desires to organise a centre under it in view of the existence of a well organized deptt. of Chemical Technology under that University though the Andhra University is not mentioned in the report of the Panel. The Annamalai Uty

pages 14-15 of the Report in the linked file of Dev.

x para 76 on p. 14 of the Report

p 17 cf

pages 19-21 cf

p 14 of the report

p25f

do not propose apparently to start these courses. Though the report of the Panel envisages only one Centre for this Province, to be opened by the Madras University, there seems to be no objection to the proposal of the Andhra University also to have a Centre for this training. The main action for the starting of these courses has to be taken by the University authorities themselves. The Panel has proposed that for the purpose of working details of the courses a Committee should be appointed which will formulate a syllabus for these institutions and a plan by which the students who are turned out of these centres can be absorbed by the industry. Apparently this will be an All-India Committee and in that case the Govt. of ~~Madras~~ India will have to take action for its Constitution. It will be premature to consider action before these details are worked out. Having regard to these facts, it is necessary to await the Govt. of India's considered views on the Panel's Recommendations and especially on the proposal for a Committee. And it is only after this Committee has formulated details of the courses of studies that the Universities can take action on these proposals.

p 14 of the report

para 77 p.15, of the Report in linked file.

3. The Universities will expect financial help from Govt. by way of non-recurring and recurring grants for the opening of these courses. They will naturally require an assurance from the Govt. in this behalf, as may be seen from the Resolution of the Madras University Syndicate, which requires "necessary facilities" which apparently include financial aid.

p-17 cf.

4. All these and connected questions can only be pursued on receipt of the views of the G. of I. on the Panel's recommendations. Devt. will doubtless keep E.& P.H. informed of the decisions of the G. of I. on the proposal for a Committee etc., when they are received.

5. The case may be sent to Devt. for perusal and return.

Dev. cmo 49732 11.5.49

E&PH (Edn) [illegible] 87591 / 49-1
10.5.49

25.49

FOURTH ASSISTANT SECRETARY TO GOVERNMENT
11 MAY 1949
DEVELOPMENT DEPARTMENT

S 10/5 | Dw

Dow 10/5

Dev. Dept.

(Last seen on p. 9 above).

E & P. H. Dept. note on pp. 9-11 above may be perused and the case may be returned to that Dept.

RSD 12/5/49 14/5/49

Dev. ms. no. 49732 P&D III / 49-1
13/5/49.

ASST. SECRETARY TO GOVERNMENT
14 MAY 1949
36983
EDUCATION AND PUBLIC HEALTH

E&PH
(92)

The case may lie over till 1.7.49

14.5.49

The case may continue to lie over till 15/8/49.

RS 8/7/49

8.7.49

The case may lie over till 25/9/49

RS 22/8/49

22.8.49

This may continue to lie over till 1/11/49

8/10/49

8.10.49

10/10/49

P.T.O.

This may continue to lie over till 15/12/49.

RS
15/11/49

15.11.49

May continue to lie over till 1/2/50.
Dev. may see.

RS
16/12/49

16.12.49

18/12/49

Dev. Dev. 122867 P&D
20/12/49

18/12

E & H (G2)

Dev. no. 87591 G2/49-2 Edn
19/12/49

THIRD ASST. SECRETARY TO GOVERNMENT
20 DEC 1949
DEVELOPMENT DEPARTMENT

cp. pp 9-10 above

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cp p 183 CF of (J)
GO 5170 Dev
24/x/49

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cp p. 183 CF of (J)

Papers in P&D IV

M

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22 22a

pp 127-133 of SF
+ pp 125-138 of SF
pp 278-284 of SF

[illegible]

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27/12/49

27/12/49

E & H.

Dev. no. 122867 P&D - 1
20/12/49

E & PH (G2)

100595
23 DEC 1949
EDUCATION AND PUBLIC HEALTH

Please see the Devt. Deptt. note on pp 12-13 ante. In view of M on p. 12 ante, no action seems called for on this now. The papers may now be recorded. [If and when the G. of I address this Govt. for taking action on any of the recommendations of the Panel, the question may be taken up.]

KS
25/12/49

27.12.49

Abstract.
Universities -
Students - training -
Report of the Refractories and Ceramic Panel -
Papers - Recorded