

Edd(1915) Department.

Mis SERIES.

G.O. No. 884 Edd.

DATED 13 - 8 - 1915

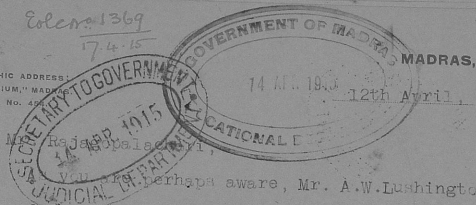
[Despatch Abstract.]

Industries

Recording notes connected with the proposal made by the Director of Industries to place Mr. A. W. Rushington, Conservator of Forests, on special duty to report on the question of the utilization of forest produce for industrial purposes.

Colony 1369
17.4.15
D.O.

TELEGRAPHIC ADDRESS
"CHROMIUM," MADRAS
POST BOX NO. 40



Dear Mr. Raja Rajawadevi,

Perhaps aware, Mr. A.W. Lushington, Conservator of Forests, Waltair, is about to retire. For the last 6 months or so I have had very great help from him in connexion with the utilisation of Forest Produce and his knowledge on these matters has been of extreme value to me. Unfortunately he has had to limit his work to one circle and has only been able to allot his spare time to investigating the problems I have suggested.

I have carefully considered the question of Forest Produce and have come to the conclusion that a great deal can be done but it must be on a very large scale. So far as I am concerned I should have no hesitation whatever in submitting proposals for much more extensive working of forests did I know more about the sources of supply. On this matter however I know nothing and the only individual who can supply this information is the forest officer. I should therefore like to suggest to Government the desirability of retaining Mr. Lushington's services after retirement for a period of say 6 months or a year in order to investigate thoroughly the sources of supply with a view to the esta-

SK

blishment of (a) Pencil Factory; (b) a Match Factory;
(c) Wood pulp factory.

Yours sincerely,

P. M. S.
mur

The Hon'ble Dewan Bahadur

P. Rajagopala Achariar,

Secretary to Government, Edl. Deptt.,

Fort St. George, M A D R A S.

Educational Dept.

Mr. Fuchs requests that Mr. A.W. Dickinson, Conservator of Forests, Waltair, may be retained in service after his retirement from the Forest Dept. to report on the raw material available in the forest in this Presidency for the ~~establishment~~ ~~manufacture~~ manufacture of pencils, matches & wood pulp.

Pencil - The Govt recently employed a pencil-making expert to demonstrate the method of manufacture of pencils. In his last report on the pencil experiment Mr. Treacher states that the question of ~~the~~ ~~graphite~~ graphite & the selection of wood should be examined & that the latter must be done by the Forest Dept. ~~It~~ The experiment having been undertaken, it may perhaps be useful to depute a forest officer to examine the question of wood & make a report on the matter.

Matches - The Travancore Durbar has given valuable concessions to a joint stock company formed for the manufacture of matches. ~~Least~~ A side free of cost has been

para 8, page 4 of G.O. No. 307 (B)
17.3.15

promised & also wood available in the forests of Travancore. The Company have asked for assistance from this Govt. They request that a match-making expert may be lent to them by the Govt. The application is under reference to the Director of Industries. ^(The factory is established in Travancore) It may not be necessary or feasible to establish ^(at present) another factory in ~~the~~ ^{the} Presidency of the British territory. But an enquiry as to the usefulness of the wood available in the forests of this Presidency ~~may be~~ for the manufacture of matches may be very useful. The deputation of a special officer for this purpose may ^{facilitate} ~~be of great service~~ ^{such an} ~~expedient~~ enquiry.

Wood pulp - Mr. Treacher proposed to ~~now~~ revive the paper mill at Punalur in Travancore, but gave up the proposal later as it was found that there were legal complications in regard to the ownership of the mill. He now desires to consider the question of manufacturing wood-pulp. In his letter of the 11th December last

fr. No. 120²⁵ (R)
S. 2. 13⁵

para 10 P.O., pages
32 + 33 of fr. No. 120²⁵ (R)
S. 2. 13⁵

last, Sir Frederick Nicholson, while favouring the idea of manufacturing pulp rather than paper, stated that "half stuff from fibrous + waste material as against "woad pulp" should alone be undertaken in this Presidency. He also suggested that an expert should be deputed to examine in the ~~several~~ ^{several} districts the various fibres + materials "which ~~occure~~ might be grown "or available + the prospects + methods of developing the growth or collection of such materials + for their "practical utilization either in the manufacture of coarse papers or "as half stuff for export or for local "use". ~~The Chemical Industries Committee appointed by the Govt. to enquire into the~~ ^{on paper-making materials} ~~the~~ ^{the} In a note contributed to the Chemical Industries committee appointed by this Govt. in 1909, Mr. Raitt, Member of the American Society of Industrial Chemists, observed that there was a total lack of practical information as to the resources available generally + as to what any one locality had to offer to the pulpmaker + the investor.

para. 11, page 33 of
G.O. No. 12025
8-2-15

pages 25 + 26 of
G.O. No. 3427 Rev
14-12-09

NOTES.

Page 5

1

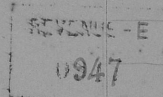
public. He added that a systematic survey of the pulp-making resources of the country is greatly to be desired, & to be of value. Should include, besides the raw material, the subsidiary factors of chemicals, labour, power, fuel & transport?

It will thus be seen that ~~the investigation~~ the investigation of the available resources for pulp-making has been recommended ^{on several occasions} ~~by the Government~~ & the proposal of Mr. Treacher to depute an officer to examine the question seems to be acceptable. It is not known whether the officer selected by him viz., Mr. Lushington, ~~he~~ will be able to consider questions relating to subsidiary factors such as chemicals, &c., as recommended by Mr. Raith. He may, however, be able to examine all questions connected with forest produce in regard to the manufacture of pencils, matches & wood-pulp. The Revenue Dept. may ^{it is submitted} ~~be~~ first asked ~~whether~~ when Mr. Lushington is to retire & whether his services can be utilised

in the near future is suggested by
Mr. Brecher.

SK CR
28.4.15- 23.4.15

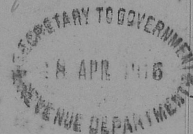
With Rev. please
advise in the matter?



Recd 28.4.15

Eoluo 1369-1

27.4.15



Revenue steps

To Under Secy.

With reference to the enquiry in
the concluding portion of the above note,
the Educational steps may, it is noted,
be informed that it has not yet been
decided to retire to A.W. Lushington
in September next.

2 A larger question raised in these
papers is whether it will not be worth
while to place any ^{other} Forest officer, if not
to A.W. Lushington, on special duty in
order to investigate the sources of ^{the} supply
of wood required for ~~the establishment of~~
pencil, match and wood-pulp factories
in this Presidency. It is doubtful if

unclassified files
Remained

B

Anything in the near future will come out of Messrs Nelson and Co.'s scheme, deposited of in L.O. No 2421 Rev, dated 20.8.14, for the establishment of a bamboo pulp factory on the west coast.

A.

3.5.15.

It may be inferred that the question of Mr. Lushington's retirement has not yet been decided.

There is a shortage of staff officers, it is probably be very difficult to spare one for S.P. duty.

3.5.15.
Sec

Exact answer (with request that the case may be circulated to Mr. Perrera)

Rev. no. 947 of 15-1

4.5.15



page 1 infra.

Educational Department

From the Rev. notes above, it is evident that the only hope of getting an officer to investigate the questions raised by Mr. Tressler lies in Mr. Lushington's retirement. As a matter of fact, Mr. Tressler proposed the engagement of Mr. Lushington's services only after retirement. Thus the question of

deputing an officer for the ~~a~~ special
only cannot be ~~possibly~~ ^{finally} decided
until orders are passed on Mr.
Lushington's retirement. The ~~main~~ ^{specific}
question has therefore to lie over for
the present. In the meanwhile the
file may perhaps be submitted to H.E.
the Governor and the Hon. (Rev) for
orders on the general question of deputing
an officer to investigate the matters
referred to by Mr. Fessler.

ER
9/5/15

It should appear to
the Minister also that
Mr. Lushington is not
retiring now.

6/5/15

A draft O.O. is submitted for approval.

Boisno 28
10.5.15

8K
7.5.15. R
7.5.15

H.E. and Hon. (Rev)

P
12.5.15

9/5/15

I have no objection to the form w^h the Educ. Dept proposes - but I w^d merely suggest that Mr. Tressler may reply, with reason, that he has not said & did not suppose that Mr. Lushington is retiring "now". What he wrote was that Mr. Lushington "is about to retire". Mr. Lushington will be 55 on the 22 Sept 1915 - i.e. rather more than 4 months hence. It has not yet been decided whether he shall be granted an extension of service beyond that date or not & it is not even known whether he wants an extension. I should myself have thought that it w^d be better to have ^{to be} Mr. Tressler that his proposal will be considered when the date on w^h Mr. Lushington will retire is settled.

A

Alg
14.3.15

I have written to A. B.
saying I shall. I shall
afterwards submit to Mr. (Res)
In person

15/15

Mr (Res)

Thanks.

Alg
17.5.15

Issued
17/9/15.

Box no 4
17.5.15

Col. Department

D.O. 1369-260
 15/5/15

With reference to your
 demiofficial of the 12th ultimo
 I am to inform you that Mr. A.W.
 Lushington, Conservator of Forests,
 is not retiring now.

Yours sincerely

CA
 7.5.15.

CA
 7.5.15.

CA
 15.5.15.

Mr. T.B. French Esq.
 Director of Lands

Conferences from the
 which the
 retiring
 Lushington will
 settle.

mo
 18/5

15/5/15

13

Please see the notes above. The Revenue Department have since issued orders permitting Mr. A.W. Lushington to retire from service with effect from the 22nd September 1915. As he is no longer required for the Forest Department, it is for consideration whether his services may be engaged for the Industrial Department from the date of his retirement. The notes on pages 2 to 6 above deal with the necessity for the investigation of the forest produce useful for industries. If the total period of six months or one year is considered too long, sanction may ~~be~~ be accorded to his engagement for three months at the beginning, the question of his further retention being determined at the end of that period, when some idea can be had of the work that had been done and yet to be done.

2. Mr. Lushington is drawing Rs.1,900 as salary. The charges on account of his deputation for the first three months, Rs.5,700, or any larger amount that may be subsequently found to be necessary may be met from the savings in the Industrial

Rs. 1296 mi P
1.6.15

pay 1/2

1700 x 3 = 5700

14

Budget under ~~Establishment~~ ^{Salaries}, the full year's provision for the Inspector of Industrial Schools at the rate of Rs.600 being now available (no Inspector having yet been appointed, nor likely to be shortly) the amount provided for Mr. Wills being also available.

3. If the proposal to depute Mr. Lushington is approved, the next question is whether he should be re-employed after actual retirement, or whether his services should be retained for the period needed for the investigation. The advantage of the latter course lies in avoiding the sanction of the Government of India ~~for~~ re-employment as required by Article 521 of the Civil Service Regulations. Revenue may be consulted as to

- (1) whether they have any objection to Mr. Lushington's deputation,
- (2) whether Mr. Lushington will be willing to serve in that capacity, and
- (3) which of the courses above is preferable to secure his deputation.

On return of file from Revenue, the Financial

Department

(page 22 of C.R.F.)

* Asst to the Director of Instruction in Punjab & Poonch Division who has been deputed for military service.
(page 235 of C.R.F.)

Department may be consulted on the proposal in general before circulation.

SK
17.7.15
17.7.15

Will Revenue kindly advise on heads ① and ② above and as to whether Mr. Huntington has the necessary qualifications for the special duty proposed?

2/ With reference to this last point, I saw one of the people interested in the match factory recently and understood from him that they had fully satisfied themselves that they had the timber they needed. So far as wood pulp is concerned, it will be seen that Sir Francis Nicholson considers that wood as a source of paper stuff is out of the question because in this Presidency because we haven't the right wood and, if we had, couldn't afford the adequate destruction of immature growths which pulp-making involves. Mr. Baillie's note confirms this and both suggest the investigation of fibre-yielding plants and other materials, to which Mr. Baillie adds "the subsidiary

The file on the subject is in circulation. Mr. Trevelyan seems to have washed his hands of this experiment

8.2.15

page 27 to 33 of G. No. 12/20/15

page 26 of G. No. 3427 Rev. 2/14/19

16

"factor of chemicals, labor, power, fuel and transport." Then remain the question of pencil making. As for this, the suitability of the woods seem to be a matter for factory experiment. Once a list of suitable woods has been prepared District Forest Officers should be able to inform us as to the localities and quantities in which they are available.

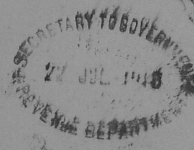
3. On the whole there does not appear to be much matter for an officer of purely forest experience to investigate. Revenue will perhaps be able to say whether Mr. Huntington has the wider qualifications which seem to be required.

21.7.15

Rev: u.o.

201 no 2534-1

22.7.15



To Under Secy.

The Educational Dept. consult this Dept. on the following points:-

(1) Whether, apart from mere ~~local~~ knowledge of the ~~localities~~ localities and the quantities in which forest products are available, Mr A.W. Hushington has the wider qualification to report on the suitability of such products for different industries such as the manufacture of pencils, ~~matchboxes~~ matches and wood-pulp and to investigate the subsidiary factors of chemicals, labour, power, fuel and transport

(2) Whether, if he has that qualification, it would be best

(a) to extend his service and place him on ~~special~~ deputation in the Educational Dept. for this work, or

(b) to re-entertain him in the Educational Dept. for this work after his retirement.

As regards the first point, on which depends the second, all that can be said from information available in this office, is that Mr Hushington has a wide knowledge of forest botany and that he has given proof of it in the compilation in three volumes of a

vernacular and botanical list of forest trees, shrubs and woody climbers in the Madras Presidency. It is unlikely that he possesses also the wide qualification specified in Mr Toothhunter's note as such qualification properly belongs to the experts of the various industries. The Board may, if necessary, be consulted.

3 As regards the second point, it is unlikely that the Govt will reconsider their decision in L.O. No 1296 Rev, dated 1.6.1915, and extend Mr Dushington's services merely to avoid a reference to the Govt of India.

There is one objection to the extension of Mr Dushington's services from the forest officer's point of view, viz, ^{that} in the serial arrangement consequent on his deputation to the Educational Dept Mr Cox who is acting in the third grade cannot be promoted to the second grade under art. 135, C.S.R.; whereas, if he is retired in the usual course and re-employed in the Educational Dept, there will be no such difficulty.

I don't think we can say how far Mr Dushington is qualified for the work that lies outside his ordinary professional work. The obvious would be to refer to him. As to his deputation, it would in

non para. 3 of the official order
D. 12.12.1915

D. 24 C.S.R.

the circumstances, he rather had
a tree who would benefit by his
retirement, if that retirement were
deferred in order that he might
undertake his special duty.

It may be suggested to Lt. that
if his services should be desired, he
may make a ref^a to the Gov^t
of India to sanction his retirement
after he has actually retired from the
Forest Service

26.7

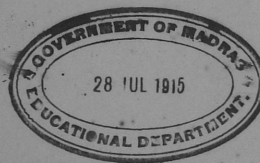
See I agree with Lt. I have no idea
on which to advise as to W. Lushington's
qualifications for judging as to the fitness of
particular woods for the industrial purposes
in view. Once it is established by actual
experiment that specific trees are well suited
for such purposes I imagine the ordinary
district staff wd. be competent to point
out ~~the~~ sources of supply and to arrange
for supply. I doubt if W. Lushington's
opinion wd. be fruitful, but he may
possess the requisite qualifications.

It wd. be hard on other forest officers
to defer his retirement.

Edw. L. W.

27.7.15

Rev. no. 1613 E/151
28.7.15
A/finis/27/2



Educational Department

Submitted for orders whether any reference should be made to ascertain Mr. Lushington's qualifications or whether the proposal should be negatived.

26.7.15

The case for the appointment of Mr. Lushington does not seem to be a strong one

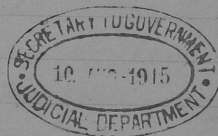
29.7.15

St. E. and St. H. (Rev.)

I agree. It may be negatived.

7.8.15

26.9.15



A Draft do. is submitted for approval. After issue, the papers may



SK 10/15

it is submitted, be recorded.

SK
10.8.15. CR
11.8.15. (Approved by Secy)

The Secy. has issued. A draft over
receiving the papers & is submitted
below for approval.

SK
12.8.15

CR
12.8.15.

ELH
13.8.15

Do No. 2534-2 Ed

11. 8. 15

My Dear Dressler,

with reference to
 your Do. ~~2534-2~~ dated 12th April
 1915 & in continuation of Mr.
 Rajagopala Achariyar's Do.
 No. 1369-2. Ed., dated 15th May 1915,
 I write to say that ~~the~~ Govt.
 have ~~since~~ considered your
 proposal to employ Mr.
 Lushington to investigate
 the question of the utilization
 of forest produce for industries
 and of the sources of ~~the~~ ^{their} supply,
 but do not see ~~the~~ ^{the} way
 to approve of it. They ~~believe~~ ^{understand}
 that most of the general
~~points~~ ^{questions} have already been
 investigated and that any
 further ~~an~~ ^{an} enquiry, especially
 as ~~regards~~ ^{is} the localities and
 quantities in which particular
 kinds of wood are available,
 can ~~be~~ ^{not} be made with the help
 of the Dt. Forest Staff.

Yours sincerely

A. S. S.

11. 8. 15

Specs

A. 107 n.f.

107 100 n.f.

C

Sd. Md.
Sd. 11/8/15

C

11/8/15

11/8/15

READ AGAIN G.O. No., dated 191 ..

191

READ ALSO:—

C. No. 1369, From the _____, No. _____, dated _____ 191

2534 notes connected with the proposal
to place Mr. Lushington on sp. only 91

ORDER.

Mr's

No. 88476, dated 13. 8. 1915

Reented

8K
12.8.15'

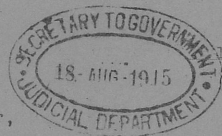
Σελ. 14.
13.8.18

CA
12/18/15

D.O. A28

TELEGRAPHIC ADDRESS:
"CHROMIUM," MADRAS.
POST BOX NO. 454.

MADRAS, 24



17th August, 1915

6532--Dept. A

My Dear Todhunter,

With regard to my proposal to employ Mr. Lushington on Forest investigations, I had a talk with Stokes the other day. He suggested that it might be possible to employ the services of some junior forest man, putting him on special duty whenever a special investigation has to be made. If the Forest Department can spare men, this arrangement would suit me equally well.

At present I do not propose to press the matter as I have my hands full with ~~other~~^{other} work but desire to explain that the investigations that have to be made have not, so far as I know, yet been touched. What I really want to do is to conduct a practical economic survey of certain particular products and I do not think economic work of this kind has hitherto been attempted on a practical scale.

I have had a good deal of correspondence with forest officers with regard to supplies and have had conversations also with several of them. My general

82

2/
impression is that the district staff have too much routine work to be able to devote sufficient time to exhaustive investigations of the character I require.

As I have said however I do not press the question just now.

Yours sincerely,

J. R. M.
W. B. M.

C.G. Todhunter Esq., I.C.S.,

Secretary to Government, Edl. Department.

may be needed. If an economic survey is needed, it is not Mr. Trevelyan's business. All he had to do is to get work for his revenue.

J. R. M.

188-18

When given for copying
When copied
When examined
When signed

191 .

AD AGAIN G.O. No.
191 .

DATED

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH ENTS.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL.

N.B.—

A = Copy in full.
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