

Home (1917) Department.
(Education)

Ordinary SERIES.

Letter
G.O. No. 439

DATED 4-4-1917

[Despatch Abstract.]

Anderson Expeller.

Informing the Director, Indian Institute of Science
Bangalore, that the----- required by him for conducting
oil experiments is not available.

PAPERS PUT UP WITH CURRENT No. _____

Papers of the department to which the current belongs.

No.	Date.	Original (= O) or spare copy (= S.O.)	Remarks. (In this column each of the papers as have been removed for copying, printing, etc., should be marked with a cross.)	Initials of Referencer with date in token of return to Reference department.

Papers of other departments.

Department.	Number	Date.	Original (= O.) or spare copy (= S.O.)	Initials with date of (1) Referencer acknowledging return of the paper concerned or (2) Despatcher to denote the return of the papers to the department concerned.

INDIAN INSTITUTE OF SCIENCE,

BANGALORE, INDIA.

Postal Address:
HEBBAL, BANGALORE DISTRICT.
TELEGRAMS:
"SCIENCE" BANGALORE.
CODE,
A. B. C. 5th EDITION.

NO. 4689

All letters, packages, &c., should be
addressed to the Director.

From SIR ALFRED G. BOURNE, D.Sc., F.R.S., K.C.I.E.

Director.

To

The Secretary to the Government of Madras,

Home (Education) Department,

Madras.

3rd February 1917

Sir,

With reference to the previous correspondence
in the matter of the proposed experimental work in connec-
tion with oils and fats, I have the honour to state that
Dr. Watson and I have inspected the machinery at Washermanpet.

2. It is not possible to utilize the oil mill either
here or in Madras until the missing parts have been delivered
and as there is no prospect of this at present it would not
be worth while to remove the bulk of the machinery now.

3. When the mill is complete we should be glad to
have the question reopened, in the meantime it seems possible
for us to conduct some preliminary experiments on a much
smaller scale than was originally contemplated and I would
ask that one of the Anderson Expellers and one filter press
(with a supply of cloths) may be sent here and that the
Government be pleased to make a comparatively small grant
to cover the cost of the experiments for one year.

4. Should the Government be willing to do this I
think the most convenient method would be to empower me to
draw from the Resident's Treasury from time to time the

funds

funds required subject to a maximum limit. This is practically the system adopted by the Government of Mysore in regard to experiments conducted on their behalf.

5 I anticipate the following expenditure but should we be unable to secure a suitable assistant or a motor for driving the Expeller or any other necessary adjunct this expenditure would necessarily be curtailed:-

Establishment.

One Assistant	at Rs.200
One do.	at 75
Two coolies	at 9
One Assistant Mechanic	at 25

Total for a year Rs.3,816

Cost of an Electric Motor with connections, a set of rolls, a decorticator, a drying oven and sundry details together with working costs and materials	11,000
--	--------

Add for rounding	184
	Rs. 18,000

6 The nature of the work thus rendered possible would be:-

1. the preparation of unadulterated oils and comparison with those now on the market
2. a study of the methods of refining on a small scale using 20 to 50 lbs. of oil at a time
3. experiments on the blending of oils to secure mixtures suitable for use as ghee substitutes.

7 It is proposed to forward samples of the products to the Director of Industries who might undertake to test their suitability for the Indian market.

8 I have not yet received a definitely final reply from

ref letter
by F

from any other local Government in regard to the larger scheme and the small scale experiments now proposed should enable us to forecast with greater certainty the benefits likely to accrue from those carried out on a larger scale.

I have the honour to be,

Sir,

Your most obedient servant,

A. G. Bourne
Director.

CN: 366 Eog

25.1.17

D. O.

Rot 1075.

VE

454
MADRAS, POST BOX No. 442.

TELEGRAPHIC ADDRESS, "CHROMIUM."

24th January

1917.



Dear Mr. Rajagopalachariyar,

Will you please refer to Couchman's U.O note of the 8th October last on the file regarding Sir Alfred Bourne's letter of 15-9-16 relating to the proposal to establish a special Department at the Tata Institute to deal with oils, fats and other allied industries.

2. In connection with this proposal I now send you a D.O. letter which I have received from Sir Fredrick Nicholson.

3. I should explain that some days ago I had two long interviews with Mr. Padshah, Managing Director of Messrs. Tata Sons and Company, and a Mr. E.P. Thompson, an American vegetable oil expert from Manila. This gentleman, so Mr. Padshah told me, has established a coconut oil business in the Philippines with a capital of a Million sterling and the Company is making a profit of 50 per cent.

4. The two gentlemen were touring round Madras on behalf of Messrs. Tata sons and Company with the

object of obtaining information relative to a scheme for establishing a very large vegetable oil business in Madras. Their idea is to deal with ground nuts, copra, castor seed etc. on a very large scale, to develop the business in all its aspects, and to put two or three crores into it. I gave them all the help I could and then sent Mr. Thompson on to Sir Fredrick. What Sir Fredrick thinks you will see from his letter.

5. I have not seen Mr. Thompson since his return from Malabar if he has returned, and have no further information on the subject. ^{But} I suggest that, pending further developments of this scheme, Government should not commit themselves to Sir A. Bourne's scheme.

That's why I am writing this letter.

6. I will keep Government informed of any further developments. I hope to get some information from Sir Dorab Tata when he arrives on the 29th.

Yours sincerely,

Chhime

To

The Hon'ble Dewan Bahadur

P. Rajagopala Achariyar, Avl., C.I.E.,

Secretary to Government

Home (Education) Department.

Fort. St. George.

Copy of D.O. letter dated 21st January 1917 from Sir Fredrick

Nicholson to the Director of Industries, Madras.

Your note of 15th inst. introducing Mr. E.P. Thompson duly

reached me, and I have had long discussions with him for two days.

I need hardly say how delighted I am at the prospects now opening up for the oil and fat industries; the proposal if it materialises as seems certain, is the one thing we have been looking and longing for. A purely Indian firm with abundant command of enterprise, capital, and expert knowledge, utilising on a vast scale the raw products in which we excel and improving those products by a discriminating demand for the best materials; developing these into the finished products which we require for the food and use of the people; stimulating by its requirements and productions other correlated industries and, by its example, other separate industries; developing the industrial ~~capacities~~ capacities, the intelligence, and the interest of the people; promoting national economy in minimising unnecessary costs -- as for transport, European charges etc. -- and consequently cheapening goods without the necessity for sweating the labourer or injuring the qualities of the goods; keeping the whole of the money spent and the profits earned within the country; these and other advantages are now in view on a large scale.

I consider that every facility should be given to this enterprise which sums up in one the several branches of the oil and fat industry which have hitherto been separately proposed and nibbled at; e.g. edible fat making (ghee and butter substitutes), soap, candle, and glycerine manufacture, the hydrogenation of oils (an essential part of the proposed enterprise), and so on. I trust that Government will see their way to give every assistance and encouragement/needed.

I may add that Mr. Thompson seems to be a complete expert as a factory engineer and consultant in the oil and fat industries.

My small soap factory may well go on at least for the next financial year, as my oil chemist is gaining business experience and we shall be training a small staff who may be useful; there will be no loss but a profit.

But the proposal, if carried out, knocks on the head any necessary

Home (Education) Department.

The G.O. relating to the establishment in the Indian Institute of Science, Bangalore, of a central experimental department for dealing with problems connected with oil and fat industries has been put up with a Revenue Department file which, it is understood, has been circulated to His Excellency the Governor. Subject to the condition that the scheme receives the support of other local Governments, this Government have agreed to lend to the Institute the hydraulic oil mill which has been partly erected at Washermanpet and also to give a non-recurring grant of Rs.50,000 and a recurring grant of Rs.12,000 for a period of six years. Before this offer is cancelled it will be necessary to obtain more definite information in regard to Mr. Thomson's scheme referred to in Mr. Innes' D.O. In case the scheme definitely matures, Mr. Innes may be asked to communicate with Sir Alfred Bourne and ascertain whether the authorities of the Institute ^{propose} ~~will be asked~~ to proceed with their scheme.

2. In the meanwhile the papers may be to His Excellency for perusal.

S. E. M. 26.1.17

for the experimental oil and fat technological institution which was proposed in September 1916 as an addendum to the Tata Research Institute (ask Couchman). for the new enterprise will take up every branch on a far larger scale than would be possible at Bangalore, and as a commercial venture worked on the soundest business line, with expert chemists, technical managers, and laboratories designed ad hoc; hence the need for the Bangalore experimental work vanishes and with it all the proposed great cost to Government, in place of it a business on a business footing, testing the industry on the largest possible scale both technically and commercially.

re. the Soap factory at Calicut.

K

M 25.1.17

Is Mr. Jones aware of
K about?

26/1/17

Submitted no.

8x
26.1.17
26/1/17

Mr. Jones knows all about the
proposal & probably knows that Govt
has committed themselves to sustain
it, though he may not have been
definitely informed.

cas
26.1.17

us

Mr. Jones should
see all the papers as
are. He should know
that we are Committee to
a certain extent, and
that it is not quite an open
question.

Is Mr. Jones
aware of
the paper.

26/1/17



It is understood that the file in which the G.O. regarding the Bangalore Institute scheme was put up has returned to the Revenue Dept. from His Excellency. That Dept. may be requested to put up the G.O. in this file.

8X

29.1.17

4/11

29/1/17

Rev. Secy

29/1/17

8X

366-7
29.1.17

REVENUE - A
1254

Reg. 30.1.17.

To Secy.

G.O. 1334 Home (Edn.) of 11-12-16

Has been removed from the Soap factory file and is put below. It may be returned to Home (Educ.)

Notes in CO

22.1

GOVERNMENT OF
2-12-17
HOME DEPT.

1.2.18

Home (Educ.)

1.2.17

with the...

2.2.17

Rev. no. 254 A/17-

2.2.17.

CM 564. From the Director, Indian Institute
 of Science No. 16899, the 3.2.17

Please see Secretary's note on
 page 5 supra. The file may now
 be sent up to Mr. Innes for personal
 of fr. No. 1334, Home (Sr.), dated the
 11th December 1916, relating to the
 Bangalore Institute scheme.

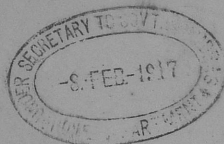
2. The Director of the Institute
 has since written to the Govt. saying
 that the other local Govts. have
 not given a definite reply. He
 proposes to undertake ^{experiments to form a} small
 scale ~~experiments~~ ^{refining} in oil pressing
 + ~~advising~~ ^{refining} + requests that
 this Govt. may lend him an
 Anderson expeller + filter press
^{also contribute} + a sum of about Rs. 15,000/-
 to meet the cost of the experiments.
 Submitted that Mr. Innes may
 be requested to offer his
 remarks on these proposals.

8K
 6.2.17 S.
 The new suggestion that emanates from
 the Indian Institute seems to be acceptable.
 Its acceptance will not commit the Govt. to
 supporting any scheme on a large scale. & will

Cf.

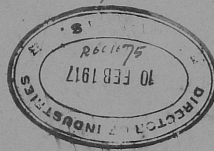
(122 hrs/week, d.o. - 1/7)
23-26 linked file with
(bistinct)

are the way open to switching of route
the Tata scheme if it matures.



Edl no 366-2

8.2.17



Just L. — Her
Dung as personal
and remarks if any.

8/21

I think that the small
scale experiments now pro-
posed by Sir Alfred Bowne
will be very useful, & I
support his proposals. In
particular I think that
there is a lot to be done
in the way of propagating
vegetable substitutes for flesh,
& this corner this work is
begun. This better.
I have two Anderson

Ms. No. 960. ©
12.9.16

Oil Expellers, and I have been directed by Government to try to sell them. As regards the larger one, we have been in correspondence with the Mysore Government since August last, and in December the Mysore Director of Industries wrote that it was practically decided to purchase the machine for Rs. 10,000. But I have heard no more, and Mysore has been so dilatory over the matter that I do not think that they need be considered any further. If Government approve, this expeller may be lent to the Indian Institute of Science. The other machine is older and has no tempering apparatus. Also some of its parts require renewal, so it would not be so suitable for experimental work.

3. It may interest Government to know that since I wrote my D.O. letter of January 24 I have seen both Mr. Thompson and Sir Dorab Tata. The former told me that he hoped to begin work before the end of this year, and the latter made a remark to me much to the same effect. Their present idea is to work groundnuts at Madras and copra at Ernakulam. They would prefer British Cochin for the latter but can't get a site, and I understand from Mr. Bhore that they may have similar trouble at Ernakulam. However they both seem much in earnest about the scheme.

Noted in ca
13.2.17



To

Home (Education) Department.

U.O.

Chambers
12/2/17

Home (Govt.) Department

Submitted that the file may be sent to the Financial Dept. for acceptance of the proposal ^{which involves a maximum contribution of Rs. 15,000/- for one year}. If the proposal is approved, the Director of the Institute of Science, Bangalore, may be requested to report what funds will be required for expenditure in the current official year & what in the next. The Financial Dept. may be requested to advise as to the procedure to be adopted to enable the Director to draw money from the Residents' treasury at Bangalore.

SK
16.2.17.
H
17/17

For - to

19.2.17



Ed. no 366-3
19.2.17

W-
22/17

1243

Page 21.2.17

Financial Dept

For A. S.

Attention is solicited to the final dept notes on pp. 47-50, and 52-56 of notes to letter No. 1334 Home (Edn) dated 11.12.1916 which show the extent to which this dept. has already accepted liability in respect of the Scheme for the establishment in the Tata Institute at Bangalore of a central experimental dept. to deal with technical problems connected with oil, fat and allied industries; with reference to the suggestions in Asst. Secretary's note dated 1.12.1916 and H.E. the Governor's note of 9.12.1916, it was stated

F in letter No. 1334 Home (Edn) of 11th Dec last that the financial assistance from the Madras Govt. for the project promised in that letter was conditional on other local Govts. joining in the scheme.

2. The Director of the Tata Institute now says that a definitely final reply has not yet been received from any other local Govt. in regard to the above scheme; but meanwhile preliminary experiments on a much smaller scale

para 8. sup. 2 & 3 C.F.

para 3 & 4 C.F.

para 3. p. 1 CF
p. 3 CF

para 3. p. 1 CF

end. p. 2 CF

are proposed to be conducted. These experiments, it is stated, will enable them to forecast with greater certainty the benefits likely to accrue from those to be carried out on a larger scale. Sir Alfred Bourne accordingly asks:-

- (a) that one of the Anderson expellers here, may be sent to the Tata Institute.
- (b) that the Madras Govt. may sanction a small grant to cover the cost of experiments for one year - estimated at Rs. 15,000 including the cost of some machinery.

Please see Mr. Innes' note appx 8 & 9 ante.
Where he supports these proposals. He has also no objection to lending one of the Anderson expellers for use at the Institute appx ante.

3: As regards (b), there appears to be no sufficient grounds justifying an expenditure by this Govt. of Rs 15,000 as the Dykes specified. Research work is primarily a function of the Indian Institute of Science, and all these small experiments seem, it is submitted, to be dykes which should be financed by the Institute itself ~~at~~ from its regular income without any extraneous assistance.

Amb 50 *Ans*

Reg 11.

Cases of expenditure undertaken on a large scale for special purposes stand on a different footing - please see para 3 of letter to G.I. on p. 52 & 30. 51 and of 2.2.1909 which shows that we have given a total grant of $1\frac{1}{2}$ lakhs in the past towards the building fund of the Institute, and the correspondence referred to in para 1 ante wherein this Govt have promised assistance for experiments to be undertaken on a large scale. But the present case is one of small scale experiments and it does not, it is submitted, appear that a grant from this Govt is called for. Further it may be seen from the ^{correspondence} 100 of Mr. Jones on pp 1-3 ante and para 3 of his note on p. 9 ante that Mr. Thompson and his wife Mr. Tata are already in the field with a scheme of their own, and that they are shortly to commence work. In the face of this, the necessity for the small scale experiments in the Indian Institute is not quite clear. This for orders whether the Madras Govt should give the assistance of Rs 15,000 asked for.

If, however, Govt. are inclined to view the application favourably, the following points arise:-

(a). Purchase of Machinery etc.: This item takes up a large portion of the Rs 15,000. It is for orders whether it may be ruled that the plant etc. will be treated as Govt. property, lent for use to the Institute.

(b). Para 4 of letter app 1-2-CT.: The A.G. will, if submitted, have to be asked to issue the necessary instructions to the Resident's Treasury, Bangalore, for placing his Mfwd Bance in funds up to the limit specified by this Govt.

(c). Provision of funds.: Mr. James will have to be asked to submit a reapp. statement to meet these charges or any portion of them to be incurred in 1916-17, and the balance to be paid in 1917-18 will have to be provided by reappropriation only.

I agree with the office throughout. It might legitimately come to the help of the institution when expenses on a large scale are being incurred there by it, but I don't think the

I think so

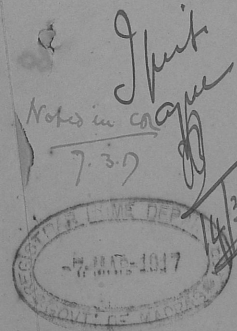
general taxpayers of this
Presidency should be shouldered
with the total cost of experiments
of the nature now under plot.

I am inclined to agree with the opinion
generally. It is one thing to join the local
Government in financing an experiment on a
large scale; it is another thing to finance a
small experiment from our own resources. Why
Madras should be singled out in this matter
does not appear.

However, as the note denies argu-
ments from the commercial activities of Tata
and Thompson, I must dissociate myself
from it. Mr Thompson is apparently an American
millionaire and, if he is spending time going
round India with Mr Tata's agent, we may take
it for granted that whatever project may result
will go largely to America. It looks like an at-
tempt at a huge monopoly, which, with the com-
mence of a Parsi capitalist, is to embrace India.
Sir Frederick Nicholson's devoted labours and the work
of the Tata Institute on, I take it, intended to dis-
perse knowledge throughout the population, and especially the
small people, not to provide the competition shareholders
of a mammoth company with substantial dividends

Home (L) (VO)

(X) This is not so. Please
See pages 20-21 *infra*



Final No. 1263-1
7.3.17

Home (Govt) Department

pays 15 supra

The Ind. Dept. do not agree to the proposal to contribute a sum of Rs. 15,000 towards the cost of the small scale experiments to be conducted at the Bangalore Institute. It is ~~not~~ ^{very} doubtful if the Institute will undertake experiments without a grant from this Govt.

p. 8 supra

Mr. Lums considers that the experiment will be very useful. It is for orders to the ~~the~~ ^{the} ~~past~~ ^{past} with ~~the~~ ^{the} ~~household~~ ^{household}. Attention is

8K
4.3.17.

referred to Mr. Coughman's DO of the 12th Sept. 1916 on page 36 of

(F)

Go. No. 1334 of the 11-12-1916 wherein it was pointed out that the export of oil seeds from this Presidency sometimes exceeded Rs. 50,000,000 per annum and that the development of oil industries is therefore one of enormous importance both to the people and to the Govt.

11/12/17

In view of the enormous importance of the vegetable oil industry to this Presidency which stands to benefit more than any province by the

experiment and the comparatively small cost involved, I am inclined to think that the proposal should be supported in the Dept in face of Fair's objection, subjecting course to the persons suggested by it in p 14.

The proposal of Mr. H. B. Brown if adopted will relieve this Govt of a responsibility which it might well be expected to but is not in a position to shoulder, at all events at present. Face of circumstances has squeezed the interests of the vegetable oil industry into the plans of the very emergency and it would be a pity to submit to give this opportunity of saving them the policy.

The probability of Messrs. Tata & Co taking up the industry privately & independently cannot I venture to doubt justify responsibility in the matter, & need not affect consideration of the proposal.

H. M.

H. M.

E. M.
10.3.17

I agree with her
Having

14/3/17

Box 11
Circ 10-3
Refd 14-3

Evidently we know nothing about the usefulness or otherwise of the proposed experiments. If they are of value, I should not grudge a little money for Sir A. Bourne will do nothing for nothing. There has been evidence of that in other directions.

Would there be any objection to ascertaining a little more about the subject? I would say that we will lend the expeller + filter press + will make a grant for establishment up to Rs. 3816. or say Rs. 4000 for a year, but I'd be glad to know definitely whether the proposed motor is obtainable + if it is, whether the Institute will buy it + charge us with running expenses, as it is not apparent what use it would be to this Govt. when the experiments are over.

Perhaps Dr. Marsden might be consulted regarding Sir A. Bourne's reply. We might also ask what motor there is for the Expeller here.

Alf
14 317

As orally directed by Sir Alexander Cairnes 1 and the can be. to Sir Edwin Nicholson for form of remarks.

Sir F. Nicholson.

Edinburgh
15.2.17

I am forwarding my remarks respectively

Edin 366-4

15.2.17

For which we have nothing about the
value of the paper.
Experiment of the value of the
paper of a little more in a box
will be nothing for water. There has been
no other in other papers.

[illegible][illegible]

15
23 20
I regret that I have not been able properly to consider these papers which have now been wired for.

The cost of the proposed small experiments will be well laid out if the experiments (1) settle the vexed question of the industrial efficiency of the Anderson expeller and its comparative running cost, and its suitability or otherwise to all classes of nuts and seeds; (2) compare oils expressed under proper conditions with oils expressed in the villages by the indigenous mills and methods and conditions; e.g. as regards relative output, cleanliness, absence of acidity, impurities and moisture, adulteration, commercial value especially for export, etc.; (3) ascertain methods of refinement suited to the destination of the oils, e.g. whether for edible or only for technical use, whether for export or for local purposes, etc. Very little "refinement" is generally necessary for properly expressed oils, after washing and settling or filter pressing; (4) obtain data for the edible oil and fat industry.

The necessity for work at item (2) is patent; village pressed ground-nut, gingelly and castor oils have been recently sent me from different sources to indicate remedies for the grave acidity, rancidity, etc. which spoilt the goods for export (as edible oils) or for immediate use; the causes such as dirt and impurities, albuminous matter from the seeds, moisture, were obviously due to village conditions and methods, there may also have been adulteration but I have no laboratory equal to ascertaining that point.

Referring to a note in the file of 6th March by the Hon'ble Mr. Bedford, I would point out that Mr. Thompson is not an American millionaire examining Madras conditions in view to start an American enterprise, but is merely an American oil engineer summoned to India as a paid consultant by Messrs. Tata (or by Sir Dorab Tata) and touring on behalf of the firm who are desirous of starting the combined industries on a

21
1211 500
17-8-92

large scale, as they attempted, on a small scale, two or three years ago. Please see second line of para 4 of Mr. Innes' D. O. of 24th January and remarks in para 2 of my D. O. to Mr. Innes of the 21st idem. It is largely because it is to be solely an Indian enterprise (by an Indian firm) that I am enthusiastic as regards that scheme. To the best of my belief America has nothing to do with the matter except in the way of giving advice and possibly supplying plant; the case seems parallel with that of the Tata steel works, but, except perhaps at first, in the matter of experts, the whole enterprise and resulting profits, will be Indian.

Mr. Innes may be further consulted on this matter.

F. A. Nicholson.

31 - 3 - 17.

Rec 1151
29-3-17

24 22
Office of the Director of Industries.
Madras. 29th March 1917.

page 819 supra

Please see my U.O. note to Government No. 366-2 dated 8th February 1917 regarding the transfer of the larger Anderson Oil Expeller to the Indian Institute of Science. In that note I mentioned that in December the Mysore Director of Industries had written that ^{he} the Government had practically decided to buy the Expeller, but that I had heard no more on the subject and that the Mysore Government had been so dilatory that it need not be considered further, and I proposed that the expeller in question should be handed over to the Institute. Mysore after three month's silence has suddenly sent me a cheque for Rs. 10,000 the price for which it was offered by Couchman. Also by a mistake in my office during my absence, the cheque was acknowledged, and it was promised that arrangements would be made to despatch the expeller. Has any decision been arrived at regarding the transfer of the expeller to the Indian Institute of Science? If I am to cancel the Asst. Director's letters to the Director of Industries Mysore and ^{to} send back the cheque, it should be done at once. The smaller expeller has also been sold.

To

The Secretary to Government,
Home (Education) Department.

U.O.

Calhoun
29/3/17

slip

Prof. Nicholson is now at Calicut.

The Fisheries officer telephones that the file is not here but is probably with Sir F. Nicholson himself and that a telegram will be sent to him asking him to return the file immediately. The receipt of the file may, it is submitted, be awaited. In the meanwhile the following intermediate reply may be sent to him by telephone.

"Your note of yesterday regarding the sale of the Anderson expeller to Mysore. No decision has yet been arrived at on the question of the transfer of the expeller to the Indian Institute of Science, Bangalore. The file was sent to Sir Frederick Nicholson for remarks on the 15th instant, and is still with him. A telegram is being sent to him to return it immediately. In the meanwhile

you may write to the Director of Fisheries, Mysore, that certain questions connected with the expeller are now under the consideration of the Govt. and that on receipt

Issued
R.S.V.
30-3-17
For copy
and
J.P.
30/3/17

8X
30/3/17

High...

NOTES

of order on these questions which are expected shortly, a definite reply as regards the acceptance of the offer made by the Director will be sent.

There is no need to cancel the letter to the Director (under Mr. M. at present, ^{it is} and ^{undecided} to do so if it can be avoided.

E.H.
25.3.17

1/11 v. submit to H. M.



JO
20/3

The file which was with Sir Frederick Nicholson has just returned - please see notes on pages 18 to 21 supra. In view of the fact that there is ^{now a definite} ~~an~~ offer for the Anderson expeller ^{and the money has already been promised} it is for consideration whether it should be sent to the Indian Institute of Science, Bangalore, for ~~conducting~~ conducting experiments.

SK

24/4/17 2.4.17

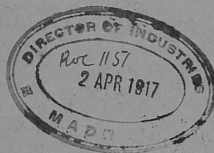
20/3
20/3
20/3

The acceptance of the offer is certain
~~on that with~~ the course that will
 command itself to the First Dept as
 good business; with Mr. Lums after
 perusing Sir F. Nicholson's note say who
 would be recommends?

ES- no. 584-1
 2.4.17

Mr Lums v.s.
 v. u.

E. H. H.
 2.4.17



Since my son has
 paid down as 10,000 for
 his Anderson oil expeller,
 I think that his best
 course is to get rid of
 his machine & to tell
 Sir A. Boume that if
 it is no longer available.
 The reason why I think so
 is that it is established
 that his machine is a
 bad machine. It is expensive
 to run since it is particularly
 prone to get out of order, & it
 has experienced some
 that it is

NOTES.

Page 16

is the same; I have just
had a confidential note
on this subject from the
Hon. Mr. Silver.

2. In the circumstances we
are lucky to get this offer
of \$5000 from Wyson.
I have had several other
enquiries, but they have
come to nothing. The fact
is not surprising since
it is not the Dept. of
Industry to stick private
persons with unsatisfactory
machines, & I have always
made enquiries and no
confidential bulletin on
the subject. Thus if we
send back the Wyson
cheque should the subject
to the Indian Ministry of
Finance, the probability is
that it will be
a totally unsatisfactory

couldn't find, or on the
whole, his balance of
advantage seems to
be with accepting
his Mysore cheque.
The machine has been
bought through by the
Mysore Dept. of Industries,
or in this transaction we
have no responsibility.

Chennai
2/4/17

Home Dept (Ed)

00



14. 14.

The Mysore Dept of Industries' offer
may be accepted. The terms may be told
to. We shall have to write to Sir A.
Bonnie telling him that the machine is
no longer available.

Ed
3. 4. 17

Box C-6
enc 3/4
rel 3.4

Submitted that the following telephone message may issue to the Director:-

"The Govt accept your proposal to sell the Anderson oil expeller to the Director of Industries, Mysore. Sir Alfred Bourne is being informed that the machine is no longer available".

Issued
H.S.V.
3.4.17
5.37pm

2. After the issue of the above telephone message a draft letter ^(to Sir A. Bourne) will be submitted for approval.

8K
3.4.17.
AM
3/4/17

A Draft letter to the Director of the Bangalore Institute is submitted for approval.

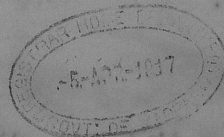
8K
4.4.17
AM
4/4/17

1/AM
E.H.H.
4.4.17

[Letter No. 4399 4.4.17.]

[51. 4. 1994 m. 12. 12.]

2. A. Harvey. Int. D.C.S.
Under Secretary to Govt
Int. Office.



30
32
Note continued.



I wish to add as follows:-

The establishment of the Tata or other large factory for the combined or separate oil and fat industries would only rule out the need for the large and comprehensive scheme for an Imperial Oil and Fat technological annexe to the Research Institute at Bangalore, proposed in September 1916 by Sir A. Bourne as the result of the September Conference. It would not obviate the need for experimental research — as now proposed by Sir A. Bourne — into the conditions of the indigenous oil industry from the field to the export merchant or oil-product factories. For the bulk of the oil of the country will, for many years, continue to be expressed, stored, handled, adulterated in and on its way from the villages, so that the existence of one or even of two or three central oil presses and factories will not do more than slightly touch the oil producing and transporting industry; not at all, in fact, in so far as the exporters and factories desire to purchase oils expressed outside of their direct control or factories.

The research work now proposed should therefore examine — whether by the Research Institute at Bangalore or by the Director of Industries throughout the Presidency — the several problems of the indigenous oil industry from the field to the exporter or factory, in view to indicate the sources and causes of

- (a) defect or shortage, if any, in the outturn of oil from a given weight of seed;
- (b) inferiority or defects in quality (dirt and impurities, acidity, rancidity, etc., etc.);
- (c) adulteration;

and the remedies practicable and applicable in the several stages, it being remembered throughout that the indigenous industry is, and must for many years continue to be, a

31

industry with village limitations as to capital, the and management of new classes of machinery (e.g. presses), cleanliness, business capacity and honesty, possibly the researches now suggested may result in a stimulating and assisting the establishment of press factories; compare the castor-oil presses of the the rice mills of Nellore, Tanjore, etc., the improved mills of the country-side, the 250 fish-oil and guano s of the West Coast; all recent in origin, and the last only 6 years standing.

researches should, I consider, embrace oil engineering, gy, finance (including existing village methods and also "takkavi" loans), co-operation and the prevention of ation; purely commercial matters, such as distribution, ably be left to the merchants.

F. A. Nicholson.

4 - 4 - 17.

33

Home (Est.) Sec

Please see Sir Frederick Nic further note on pages 30 & 31. No action seems to be necessary on it. It may be sent to Mr. Innes for perusal.

8K

7.4.17.

Home (con) No. 1753A-1

17.4.17.



See & advised.

With thanks. I have

taken a copy of Sir

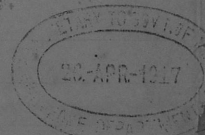
Frederick's last note in

reference.

Chambers

23/4/17

Home Dep. v.o.



LETTER:
No.

43984. 4-17.

To

5/4

The Director,

The Indian Institute of Science,

Bangalore

*Despo
Po
5/4*

Sir,

I am directed to acknowledge the receipt of your letter No. 4689, dated the 3rd February 1917, requesting the Madras Government to lend one of their Anderson oil expellers to the Indian Institute of Science, Bangalore, for the purpose of carrying on experiments in oils on a small scale, and also to make a contribution from Provincial funds to cover the cost of the experiments for a period of one year.

2. In reply, I am to state that the expeller in question has since been sold and ~~it~~ is not therefore available for experimental purposes. The Governor in Council ~~therefore~~ ^{in the circumstances} regrets that he is unable to accede to your request.

I have etc.

*AM
4/4/17*

*ELH
4.4.17*

for copying
 ed _____
 mined _____
 ned _____

191

READ AGAIN G.O. No.
 191

DATED

ORDER No.

ENCLOSURES TO J. No.

ORDER OF GOVERNMENT

A A A A A A A

ER OF GOVERNMENT.

DITTO.

FILED UP, BEING MEANT FOR DISPATCH
 UNAL.

N.B.-

- A = Copy in full.
- B = Not to be copied.
- P = Copy abstract only.
- Q = Copy heading only.