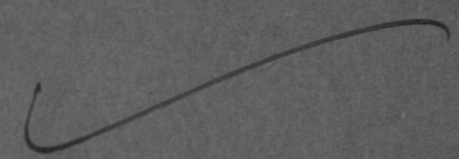


Eedl (1916) Department

Miss SERIES.

G.O. No. 2257d
DATED 29-2-16



[Despatch Abstract.]

Industries Informing the
Director of — that the Govt do
not consider it necessary to make
any increased provision in the
Budget Estimate for '16-'17 for
industrial experiments

✓
Col. Department

8/3
3/1/16

Memo. No. 20-1 Col
4. 1. 16

The Director of Industries
~~is requested to expedite~~
is informed that the provision
of adequate funds for
industrial experiments
in the budget for 1916-17
depends on the early
receipt of the report
called for in G.O. No. 136423
(J) dated the 9th December 1915
and he is therefore
requested to expedite
that report.

SK 21.12.15. CR 21.12.15 DMS 27

(C)

and
ad
4/1/16

Q10

The D. J. [Signature]

DEPARTMENT.

3

Received

12 JAN 1918

191

Registered

191

1916



Subject.

Submitting report on the various industrial experiments which are being worked up by the Department.

ENCLOSURES.

No.

Spare copies

No. A 28

Station Madras, Dated the 14th January, 1916

From (Name) K.T.B. Tressler, Esq.

(Designation) Director of Industries.

To The Secretary to the Government of Madras,
EDUCATIONAL Department.

Sir,

Referring to G.O. 1364 Ed. 1415 I have the honor to submit herewith a note on the industrial work now in progress and contemplated, together with a statement of the financial prospects of each.

2. To make these clear it is necessary to divide expenditure into my standard three heads viz., Capital, Experimental and Working Expenses. Capital expenditure represents money sunk in plant &c realisable when an industry is disposed of, but not before. Experimental expenditure is money spent on experiment. There may be small counterbalancing receipts, but in general such expenditure may be regarded as non-remunerative. Working expenses is the money required to conduct moderate scale

2
trials when the experimental period is over and may be regarded as practically covered by corresponding receipts.

3. Capital expenditure can be estimated to a certain degree of accuracy: experimental expenditure can be limited, if necessary, to an allotment and may therefore be approximately predetermined. Working expenses, however, cannot be estimated in advance as the sum to be spent on this head depends entirely on circumstances that cannot be weighed up before they arise. Since, however, the receipts will usually exceed the expenditure and in the worse case would not fall short of them by more than a small amount, working expenses do not affect the financial aspect of a scheme. The following forecast is written with the reservation that working expense figures are in most cases mere guesses.

4. The experiments now being conducted by the Department are as follows:-

- i Peripatetic Weaving Party No. I
- ii Do. (No. II)
- iii Sugar Mill, Singanallur.
- iv Do. Chittawadigai.
- v Experiments with Motor Tractors.
- vi Experiments with Anderson Expellers.
- vii The Madras Oil Mill.
- viii Pencil Factory.
- ix Glass Factory.
- x Lime Brick Plant.
- xi Experiments on Paper Pulp.

The first two experiments are budgetted under *Wearing Dept - 26 Bm*
Scientific and Miscellaneous Dept - 26B and are not classed as experiments. It is unnecessary therefore to deal with them in detail.

5 EXPT. (iii) SUGAR MILL, SINGANALLUR

This station was opened in 1912 and experiments have been made ever since. A standard type of plant has now been evolved.

During the current year the budget allotment was

4
1/2 x 12,000 = 6000
Rs. 6,000, approximately
Rs. 12,000 (p. 171) CBE
Rs. 6,000, approximately. Rather more than Rs. 4,000 was spent in putting the plant into order and making such alterations as previous experience had shown to be necessary. Working expenses amounted to Rs. 1,800 and receipts Rs. 2,800. In the coming year no further capital expenditure will be necessary but a sum of Rs. 480 may be set aside for experimental purposes. For this station and Chittawadigai station (vide next paragraph) a Supervisor on Rs. 100 and 2 *two* mechanics on Rs. 35 have been sanctioned. The total cost for one year is Rs. 2,040 half being debitable to each station. The staff salary I charge to experiment and the provision to be made therefore is Rs. 1,500. Working expenses may amount to Rs. 2,500 and will be more than covered by receipts. There is a prospect of the plant being sold but, if not, the working of the station will be continued from year to year. No loss is anticipated.

6 EXPT. (iv) SUGAR MILL, CHITTAWADIGAI

Sanct. in 1913 2783 Rs. 10/9/13
This plant was brought into commission late last year but had not been finished and during the year about Rs. 5,000 had to be spent to finish it. No further capital expenditure is anticipated.

As explained in the previous paragraph, Rs. 1,000 is to be provided *for* staff salary and Rs. 480 *for* experiment. The provision under ~~this~~ experiment therefore will be Rs. 1,500.

During the present year I anticipated a considerable difficulty in working the plant on account of the prevalence of plague and have therefore leased the machinery to the Village Munsiff on payment of Rs. 250 a month. If this arrangement is continued next year no provision for working expenses is necessary but it will be safer to allow Rs. 2,500 as at Singanallur.

7 EXPT. (v) MOTOR TRACTORS: Motor Tractor No. 1

This machine was purchased at the end of 1913 and ploughing experiments were made in Coimbatore. It was found that the ploughs used were unsuitable and a new

one was ordered. This only arrived early in 1915 and ploughing experiments were then begun in the Chingleput District. When the ploughing season stopped, trucks were made and the Tractor was used for road haulage purposes and afterwards for the transport of shells for munition works. It is now going to Coimbatore for the use of the Forest Department. As it appears likely that most of the work done during the coming year will be for other government departments who do not pay for service rendered, all expenditure must be regarded as experiment. Rs. ³⁰⁰⁰ ~~3000~~ may be ~~estimated~~ ^{budgeted} which includes the pay of the staff consisting of 2 shifts, each made up of one mechanic on Rs. 35 and 2 steersmen on Rs. 20.

8 Motor Tractor No. 2

The purchase of this machine was especially sanctioned by Government for experimental ploughing and has been lent to Mr. Bawden of Kavali in accordance with the terms of the G.O. 2036 ¹⁹¹⁵ ~~1914~~ ¹⁹¹⁵ ~~1914~~ Mr. Bawden will probably require the use of the machine for another year and although Government in their order say they will bear the cost of the experiment, I think I can persuade Mr. Bawden to bear the bulk of this himself and propose to ^{provide} ~~provide~~ only Rs. 1,500.

9 EXPT. (vi) ANDERSON EXPELLERS.

There are two Anderson Expellers. The demand generally is for a machine to deal with groundnut and after 8 months' continuous trial I have been unable to pronounce a definite opinion in favour of the machine. Until I can do so, I do not propose to work more than one.

¹⁹¹⁶⁻¹⁷ The experimental expenditure may rise to Rs. 2,000 including the pay of 1 mechanic on Rs. 35 already sanctioned. Working expenses may be estimated at about Rs. 2,000 to begin with.

G.O. No. 1137
22-10-14

In all the above mentioned experiments I anticipate no additional directions of expenditure in the future except in so far as successful working may necessitate the provision of larger working capital. Such provision will, as already explained, be more than covered by receipts.

10 EXPT. (vii) OIL MILL

The estimated cost of plant and buildings is about Rs. 80,000 of which Rs. 40,000 remains to be spent during the year. I expect to spend Rs. 15,000 but whether I can spend the balance of Rs. 25,000 depends on when I can get delivery of the balance of machinery. Until this machinery is received I obviously cannot start work and expenditure will be limited to the capital sum above mentioned. I do not anticipate much experimental expenditure except in respect of staff.

Messrs. Best & Co (vide G.O. 943 ¹⁹¹⁵ ~~1914~~ dated 25th August 1915) have undertaken to provide the raw material for operating the mill for a period of at least 2 years and I anticipate that the payment made to me for crushing will cover working expenses. Rs. 2,500 should cover experimental costs.

As regards staff I consider that it will be imperative to engage a competent engineer and an Oil Expert. The salary of the former will be about Rs. 650 and of the latter Rs. 350. These officers should be appointed as soon as the mill starts work. I find it difficult to make an exact estimate of the allotment required as I do not know when I shall get delivery but Rs. 7,500 may be provided ^{for staff} bringing the total experimental expenditure to Rs. 10,000. In case the machinery is not delivered this year and the balance of Rs. 25,000 has to be surrendered, it may be necessary to provide Rs. 25,000 in the next year's budget in the Capital Account.

-8 ✓
As regards working expenses this again will depend on when I get delivery of the plant and as the receipts will more than balance them, it seems unnecessary to make a large demand now. Rs.5,000 is ^{estimated} asked for to begin with.

As regards the future of this experiment, I consider that with the staff and plant now available it will be possible to obtain sufficiently convincing results to induce private enterprise to take over the concern without any further capital expenditure on the part of Government. Working expenses will probably increase and under favourable circumstances may amount to Rs.20,000 or Rs.30,000 a year in which case however the receipts will ~~still~~ cover the pay of the staff.

// EXPT.(viii) PENCIL FACTORY

A detailed report of my experiment was submitted with my M.I. of 15th November last. The position now is that the factory is in a position to start making pencils and Government orders are awaited as to the system to be adopted. During the coming year Rs.1,000 may be set aside for experimental work, namely testing new qualities of wood etc., and the staff required is 4 Mechanics on Rs.50 per mensem. One or two departmental supervisors must, ~~however~~, also be charged for the work. This however is a book transaction which does not affect budgeting. The total provision on experiment may be fixed at Rs.2,500. Working Expenses I cannot accurately gauge but Rs.20,000 will probably suffice to begin with. In future I anticipate limited expenditure on ^{experiments} ~~working~~ (say Rs.2,000 a year) which of course must be continued in order to improve the product but I propose no expenditure on capital,

12 EXPT.(ix) GLASS.

The position at present is that I have constructed a new type of furnace and have collected formulae for

X
The file dealing
with this letter
has been sent to
Revenue for remarks.

-A 8 ✓
glass, experimented with them and have tried to train a foreman and a certain amount of skilled labour. In a few days' time I propose to make trials which will tell me whether my organisation is sufficiently complete to undertake larger scale experiments. If the result is favourable I can proceed to the working stage: if not, I shall have to go on with my experiments.

As this industry is still somewhat doubtful I propose to submit a further report as soon as I have obtained definite results.

Meantime, ^{estimated} ~~for budget~~ purposes, I propose to ^{allow} apply for Rs.4,000 for experiment. If my experiments are successful before the end of the year, I shall have to make arrangements for completing another furnace at an estimated cost of Rs.3,000 and probably also to secure the services of a qualified expert, a chemist and an assistant. The cost of this staff will amount to Rs.800 per mensem but I am not yet in a position to indicate that it will be required. For ^{estimated} ~~budget~~ purposes Rs.5,000 may be allowed.

As regards working expenses, these again depend on results but with any luck I ought to be able to make about Rs.20,000 worth of glass next year and would ^{suggest} request that this sum be reserved.

As regards the future of this industry, I consider that for some years to come experimental expenditure amounting to Rs.5,000 a year may be necessary excluding the cost of staff. When working expenses reach half a lakh, they will cover the cost of the staff. Beyond the rebuilding of furnaces when necessary, no additional capital expenditure is contemplated.

13 EXPT.(x) LIME BRICK PLANT

This plant has not been erected with a temporary grinding mill, as the one ordered has not yet been delivered. A part of the consignment was submarined on the S.S. *Clan McArthur* but I still hope to get the

G.O. No. 1472 ^{Est} ^R
23.12.14

balance before the end of the year: if not, the amount still due namely Rs. ⁸⁰⁰⁰~~4000~~ must be relinquished and provided in the next year's budget. The erection of the

mill will only cost Rs.300 or Rs.400 and this is the only capital expenditure that need be contemplated.

The experimental period should be complete before the end of the current year and in the coming year therefore I propose to apply only for Rs.500 on capital together with a Mechanic on Rs.100. As regards working expenses Rs.10,000 may be provided to begin with and this will be covered by receipts.

As regards the future, if the experiment is successful, the plant will be purchased by the South Indian Industrials at the end of the year: if not, experiments may be continued but I do not think that they should involve any direct cost to Government.

14 EXPT.(xi) PAPER PULP

In accordance with G.O.No.1419 Mdl. dated 14th December 1915 this industry ^{is being} taken up. The cost of staff sanctioned together with the travelling expenses of Dr. Marsden will amount to Rs.3,700 which must be provided. In addition Rs.1,000 may be required for industrial experiments.

If the experiment develops and the experience obtained appears to be sufficiently valuable, the employment of a Paper Expert may be recommended as suggested in my report to Government. A sum of Rs.2,300 may be provided under this head.

15 PROPOSED INDUSTRIES.

So far as funds are available it is proposed to investigate the following industries:-

I. BUTTON MAKING

Here the suggestion is to purchase machinery from a local firm of button manufacturers. The cost may amount to Rs.9,000 or Rs.10,000. The Button Industry is one that is attracting a good deal of

A

6

7100 10,000

attention at present and I consider that button making is one of the most promising directions in which work can be undertaken.

II. SUGAR MILLS.

From the experience obtained at Chittawadigai I consider that, excluding the cost of staff, I am fairly certain of covering expenses on the standard form of Sugar Mill and propose to submit a scheme for the establishment of two new ones. For this purpose Rs.25,000 should be provided.

III. MATCH FACTORY.

Before the manufacture of matches is actually undertaken it is desirable to make a critical study of the timber available and as the Department has already collected a good deal of information on the commercial aspect of timber utilisation it will probably prove desirable to obtain a small plant merely for the purpose of preparing splints and veneers. Rs.12,000 may be provided.

IV. WATCH MAKING.

On the recommendation of Sir Frederick Nicholson I am making enquiries regarding the possibilities of the Watch Making Industry and if these are satisfactory, a sum of Rs.10,000 may be provided.

V. MISCELLANEOUS INDUSTRIAL EXPERIMENTS.

There is always a certain amount of expenditure to be incurred in connection with investigations which is not properly chargeable to any of the main heads above enumerated. For miscellaneous experiments Rs.10,000 may be provided.

VI. TIN MAKING PLANT.

I have on several occasions drawn attention to the necessity for providing suitable receptacles for the canning of industrial products and have been in correspondence with manufacturers of tin making plants. Under

25,000

12,000

En. M-887 Est 13.8.15

10,000

10,000

-10- 15,500
this head Rs.15,000 may be provided.

16. The total of the estimates (vide Appendix) is considerably in excess of the budget provision applied for.

The difference is as follows:-

	Provision made for 1916-17 as per bud- get sub- mitted on 7-10-15	Provision made for 1916-17 as per this letter.	Difference.
	Rs.	Rs.	Rs.
1. Sugar Cane Stations Singanallur & Chittawa- digai.	6,500	8,000	+ 1,500
2. Motor Tractor Demonstra- tions.	3,500	3,500	--
3. Oil Expeller Demonstra- tions.			
Anderson Expeller	15,000	19,000	+ 4,000
Hydraulic Oil Mill			
4. Lime Brick Experiments	10,000	11,700	+ 1,700
5. Industrial Exhibition	5,000	--	- 5,000
6. Miscellaneous Industrial Experiments			
Pencil Manufacture		22,200	
Glass do.		30,000	
Paper do.		4,700	
Sundry Investigations	75,000	83,000	+ 64,900
	1,15,000	1,82,100	+ 67,100

17 The reason for this difference is that in the above estimate I am including the possible directions of expenditure for which I would ask for a budget grant during a normal year. In view, however, of the existing financial stringency it seemed to me so unlikely that the full amount asked for would be sanctioned and I prepared my budget demand to meet the minimum expenditure possible consistent with the carrying off of work already undertaken and the introduction of industries of a clearly necessary character. In experimental work the margin of uncertainty is always considerable and on the budget figures given there may be

12 8
excesses in certain cases but these, if necessary, I could meet from savings in other items and I expect to be able, if necessary, to confine my expenditure to the total figures given in the budget estimate.

18. Of course if Government have further funds at their disposal, I could usefully expend larger sums in accordance with the estimate given but, under existing conditions, it seemed to me desirable to put in minimum figures for budget purposes. The only addition to the budget necessary may be Rs.33,000 if the balance of machinery on the oil mill and Lime Brick Plant is not delivered this year and the amount (Rs.33,000) has to be surrendered.

20000-(22200+8000) (Apr 2006)
38000

I have the honor to be,

Sir,

Your most obedient servant,

M. M.
17.1.16.
Director of Industries.

Statement showing the approximate outlay on Industrial Experiments for 1916 - 1917.

9

Items	Capital Expenditure	Experimental Expenditure	Total Cost	Working Expenses	Grand Total	Receipts to balance working Expenses.	Remarks.
		Rs	Rs	Rs	Rs	Rs	
Sugarcane station. Singanailur		(Exp. 480) (Staff 1020)	1,500	2,500	4,000	2,500	Staff. 1 Supervisor on Rs 100/- for six months 2. Mechanics on Rs 35/- 1,020
Sugarcane station. Chittavadi.		(Exp. 480) (Staff 1020)	1,500	2,500	4,000	2,500	" 1 Supervisor on Rs 100/- for six months 2 Mechanics Rs 35/-
Motor Tractor No 1.		(Exp. 1200) (Staff 1800)	3,000	"	3,000	"	" 2 Shifts of 1 Mechanic on Rs 35/- } 750 a month and 2. Steersman on Rs 20/- each.
Motor Tractor No 2.		(Exp. 500) (Staff ..)	500	"	500	"	"
Anderson Oil Expeller.		(Exp. 1580) (Staff 420)	2,000	2,000	4,000	2,000	Staff. 1 Mechanic on Rs 35/-
Hydraulic Oil mill		(Exp. 2500) (Staff 7500)	10,000	5,000	15,000	5,000	" Engineer on Rs 650/- per mensem Oil expert on Rs 350/- "
Pencil Factory.		(Exp. 1000) (Staff 1200)	2,200	20,000	22,200	20,000	" 2 Mechanics on Rs 50/- "
Glass manufacture.		(a) (Exp 5000) (Staff 5000)	10,000	20,000	30,000	20,000	" Glass expert on Rs 600/- " chemist on Rs 100/- " assistant on Rs 100/- " (a) Furnace 3000 } Experiment 2000 }
Lime Brick manufacture	500	(Exp. " (Staff 1200)	1,700	10,000	11,700	10,000	
Paper Pulp. manufacture.		(Exp. 1000) (Staff 3700)	4,700	--	4,700	--	" 1 Engineer on Rs 100/- } per mensem 1 pulp maker on Rs 80/- } Travelling Allowance to St. Marsden.
<u>Sundry Industrial Experiments</u>							
Button making.		--	--	--	11,000	--	
2. New Sugar mills		--	--	--	25,000	--	
Watch manufacture.		--	--	--	12,000	--	
Watch making		--	--	--	10,000	--	
Tin making		--	--	--	15,000	--	
Miscellaneous Investigations		--	--	--	10,000	--	
Total.	500	36,600	37,100	62,000	1,82,100	62,000	

A. P. S. S.
Sd/-

Director of Industries

Extract from the notes to G.O. No.1419 Edl., dated 14th December 1915, regarding paper pulp experiments.

Financial Department.

Submitted that in the next year's budget the Director of Industries has entered a provision of .75 lakh for 'miscellaneous experiments'. It has been suggested that a provision of .25 lakh on account of 'miscellaneous experiments' will suffice.

V.V.
9-12-15

L.E.K
10-12-15

A.S.
10-12-15.

A.B.
11-12-15.

Educational Department.

The sufficiency of the allotment of only a quarter of a lakh for industrial experiments should be further examined.

C.G.T.
14-12-15.

With reference to the Secretary's note, dated the 14th instant, extracted on the previous page, it is submitted that the industrial experiments which are now carried on by the Director of Industries are

(1) oil experiments

(2) pencil "

(3) glass "

(4) paper pulp "

2. Of the above, for the oil pressing experiments a provision of Rs. 15,000 ^(made in the next year's budget) has been separately ~~provided~~. This was the amount asked for by the Director for the experiment. It may not therefore be necessary to meet the expenditure on this item from the provision of Rs. 25 lakh for miscellaneous experiments.

3. For pencil experiments, Mr. Treacher recently ~~submitted~~ submitted a report, in which he stated that a sum of Rs. 5,000 was immediately required, but did not ~~also~~ indicate what would be spent in the next official year. It appeared from

(It is understood that this amount has been allowed by Govt.)

9/10/1931. From under "Oil Experiments Demonstration"

(File in Revenue)

from the report that a fairly large expenditure was anticipated by the Director on this experiment. He however suggests as an alternative ^(to Govt continuing the experiments) the formation of a company to carry on the business and recommended the grant of special concessions to it. ~~such as the free supply of glass and other materials for the purpose of the business and the exemption of the company from the payment of the duties on the glass and other materials.~~ The file on the subject has been sent to the Revenue Dept^t for remarks. It is only after a decision has been arrived at on the question as to whether the Govt^t or a company should carry on the experiments that it will be possible to estimate what amount would be needed next year for this purpose.

4. As regards glass experiments, Mr. Dressler has not so far submitted any estimate of the expenditure ~~already~~ ^{incurred}

~~increased the amount of work~~
that is likely to be incurred. ~~see~~

He has proposed the acquisition of the Madras Glass Works. This question is separately under consideration. In G.O. No. 1364 E.S., dated the 9th December 1915, Mr. Treasurer has been asked to submit a detailed note as regards the immediate + ultimate expenditure in regard to each of the investigations already undertaken by him. ~~He is~~
The note will show what amount will be required on glass experiment in the next year. ~~also~~

~~no more work can be done~~

5. As regards paper pulp experiment, the Govt have recently approved in G.O. No. 1419 E.S., dated the 14th December 1915, certain proposals for the conduct of the experiments at the Punalur paper mills. These contemplate the employment of one engineer on Rs. 100 + one pulp expert on Rs. 80 per mensem for a period of one year + also the grant of travelling allowance to D. Marsden to proceed to Calcutta

(A memo has been sent to the Secy of Madras to report the probate value of the site.)

14
to study the working of the
Tittagart paper mills + then
to go to Puna to initiate
experiments. No further expendi-
ture is contemplated by Govt.
The amount required for the
above items is therefore not
large + it can be met from
the provision of Rs. 25,000 for
miscellaneous experiments.

6. ~~Accege~~ Thus, for the experi-
ments undertaken by the Director
of Industries there is at present
no definite data for calculating
what amount should be
provided in the next year's
budget. ~~Accege~~ The report
(J) called for in G.O. No. 1364 & 5,
dated the 9th December 1915, may
furnish an estimate + it
may be awaited.

7. As regards soap experi-
ments which are ~~now~~ carried
on by Sir F. Nicholson, the Ind.
Dept. have ^{separately} been asked to
make ~~separate~~ provision
in the Fisheries budget for the
next year.

OK
29.12.15. CA
20.12.15

Call for the early submission of the
what called for in p.o. No. 1364, dated
9.12.15, and say that the provision
of adequate funds in the budget for
the ensuing year depends on the
early receipt of the estimates asked
for.

SK
21.12.15

A draft memo to the D.I. is sub-
mitted for approval.

SK
21.12.15

CR
21.12.15

mine
D.I.

p: 1 CF

pp: 2-12 CF

(Memo No. 20-1 Edl, dated the 4th January 1916)
C.No. 201. From the D.I. No. A 28, dated 18-1-1916.

In reply to an enquiry whether, in view of
the recent orders of the Government of India
regarding the necessity for economy during the
duration of the war, there was any prospect of
funds being available for the inception and
completion of industrial schemes and experi-
ments in the next year, Mr. Tressler was told
in G.O. No. 1364 Edl, dated the 9th December 1915,
that the orders of Government should be taken
before experiments in any new industry were

embarked upon, that any proposals for such experiments should outline as clearly as possible the probable immediate and ultimate expenditure on that account and that a detailed note on these lines should be submitted in respect of each scheme already in hand. The Director's note on pages 2 to 12 of the C.F. is the reply to the above reference. The main question involved in the discussion of these notes is the need for supplementing the provision already made in the next year's budget for the several industrial experiments in charge of the Director of Industries. The following table summarizes the position in regard to the provision already made and the demands now made by the Director:-

Particulars of schemes.	Amount already provided in the Budget for 1916-17.	Amount now asked for.
	Rs.	Rs.
1. Sugarcane crushing. *	6,500 ✓ (171)	8,000 ✓ (171)
2. Motor tractor working	3,500 ✓	3,500 ✓
3. Limebrick-making *	10,000 ✓	11,700 ✓
4. Oilpressing X	15,000 ✓ (193)	19,000 ✓ (193)
5. Pencil making	25,000 ✓	22,200 ✓
6. Glass making		30,000 ✓
7. Paper pulp manufacture. }		4,700 ✓
8. Other miscellaneous investigations.	..	83,000
(Button making, Sugar Mills Match manufacture, watch making, Tin making, etc.,)	60,000 ✓	1,82,100 ✓

Statement in para 16.
page 11 of C.F.
+ para 17 + 193 of C.F.
for 1916-17.

page 7 *infra*.

2. Items 1 and 3. Sugar-cane crushing and Limebrick making.

The additional amounts required for these items are small and can easily be provided, if necessary, from savings. It seems unnecessary therefore to increase the provision at this stage.

3. Item 4. Oil-pressing

Under this item the increase of Rs.4,000/- applied for appears to be due mainly to the proposed employment of a highly paid staff consisting of an engineer on Rs.650 and an oil expert on Rs.350 to work the new hydraulic oil mill, the plant which has been ordered but has not yet arrived completely. The establishment has not yet been sanctioned. It is doubtful whether such a staff will be needed and the matter requires critical examination separately when the plant has been received and work is started. The Director may be asked to submit proposals then. In the meantime there seems to be no necessity for increasing the provision.

4. Items 5, 6 and 7. Pencil making, Glass making, Paper pulp manufacture.

A lump provision of Rs.25,000/- already

para 10, page 6 of *cf.*

page 7 *infra*.

(6)
for experiments in connection with these items. The future of the pencil factory has not yet been settled and the question of entrusting it to a private company is separately under consideration. The proposals for a glass factory have not also assumed any definite shape yet. The paper pulp experiments are estimated to cost only Rs.4,700/- and may easily be met from the existing provision. Should any funds be actually needed in the course of the next year for working the glass or the pencil factory on a large scale in excess of the budget provision, it may be possible to reappropriate the required amount. It does not therefore appear to be necessary to apply (any for additional provision at present for these items.

5. Item 8. Miscellaneous investigations.

Mr. Tressler's report on the miscellaneous industries is a very meagre one and does not furnish sufficient data to justify any specific provision for them. Mr. Tressler may be requested to obtain specific sanction of Government before embarking on any large expenditure on any of these miscellaneous industries. He may perhaps confine his attention to the major investigations already in hand.

pa
pay 7 infra.

Mr. Tressler has always been full not to embark on new enterprises without previous sanction

16/2/66

para 18, pag 12 of

6. One other point has to be considered in this connection. The Director says that a provision of Rs.8,000/- for a limebrick plant and another Rs.25,000/- for the oil mill may not probably be spent this year if the machinery indented for does not arrive in time for payment before the 31st March 1916. In this case provision will have to be made next year and Financial may be requested to state whether it will be possible to provide accordingly.

15/2/16.

With this please note an para 6 above?

Ho

16/2/16

For AS.

Financial Dept.

With reference to para 6 above, Education may it is submitted be informed that ^(it is now too late to carry out) the alteration in next year's budget proposed by them of +.33 lakh. Please see para 18(3) of Budget procedure memo and paras 1-2 of the Resol.

x viij .25 + .08
= .33 lakh

CURRENT NO.
1005
FINANCIAL

Regd. 17.2.16

Ed no 201-1

16/2/16

ASSISTANT SECRETARY
17 FEB 1916
GOV. OF MADRAS

16/2/16

Feb 16

Of the Cr. of I, Fin. dept. No 39 F. & 10.1.16 which show that "corrections which are really important" can be intimated to the Cr. of I till the 9th March next. But the present alteration is scarcely one of that kind.

No. our budget is now practically fixed and only alterations of consequence, i.e. fairly large amounts, can be made.



Fin. No. 1005-1
18.2.16

Done by RB
18.2.16

Noted in CA
21.2.16

Educational Department.

As the Financial Dept. state that ~~now~~ it is now too late to make alterations in the Industrial budget for the next year, the additional amounts that may be required by the Director of Industries should either be met by reappropriation or ~~thereby~~ an additional allotment may have to be sanctioned in the course of

of that year. It is doubtful whether such a large sum as para 6. page 10 ²¹ R. 25000 could be found by reappropriation in the Industrial budget. The question ~~may~~ need not however be examined ^(and may be deferred for consideration later on next year) now. A draft order is submitted for approval.

Box No. 13
23.2.16

8x
22.2.16
22/2/16

H-E

23/2/16

P
28/2

Issue

PR

29/2

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

" " " " 191 ..

READ ALSO:-

C. No. 201, From the S.I., No. A 28, dated 18 . 1 . 191 6.

" " " " 191 ..

" " " " 191 ..

ORDER.

Mis

No. 225 SM, dated 29-2-1916

2/3
25/2

The Director of Industries will be informed that the Govt do not consider it necessary to make any increased provision in the budget estimate for 1916-17 for any of the purposes referred to ~~above~~ in his letter read above. Should ~~any~~ additional funds be actually needed in the course of the next year, an application may then be submitted to the Govt.

J. J. Fur
29.2.16.

29/2/16

To The S.I. (Gen) P
20.2.

23/2/16

23/2/16

When given for copying

When copied

When examined

When signed

191

AND GAIN G.O. No.

DATED
191

CURRENT No.

ORDER TO C. No.

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT

STATEMENT WITH DITTO.

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IN ORIGINAL

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