

Home (19 *16*) Department.
Education

Ordinary SERIES.

G.O., No. *1276*

DATED *29.11.16*

INDEXED

[Despatch Abstract.]

Suction gas engine.

Sanctioning the purchase of a ----- for the Department of Industries for demonstration purposes.

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Home (Egⁿ) DEPARTMENT.

✓

CURRENT FILE.

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DEPARTMENT.

Sol 4385

C.F.-29.

28. 11. 16

Received



191

Registered

191

Subject.

Submitting proposals for the purchase of an experimental
Suction Gas Plant.

ENCLOSURES.
No. <u>2</u>
Spare copies: _____

G.O. No. 18 of 16.

Station Madras, Dated the 20th November 1916From (Name) C.A. Innes, Esq., I.C.S.,(Designation) Director of Industries.

To The Secretary to the Government of Madras,

Home Department.
(Education)Through The Accountant-General.
Sir,

With reference to G.O. No. 1116 dated the 24th
ultimo, I have the honour to submit proposals for the
purchase and erection of an experimental waste fuel burning
Suction Gas Plant.

2. Mr. Couchman has already submitted a provisional
estimate for a plant of 25 B.H.P. but it has been found im-
possible to obtain a plant of this size. I have, however,
had the offer of a 33 B.H.P. Ruston Suction Gas Engine and
producer which the Agents expect to be shipped during the m
month and this plant would be very suitable for demonstration
purposes.

3. An amended estimate is herewith submitted. The

cost of the plant will be approximately Rs. 7900 delivered F.O.R. Bombay, the final price depending on the freight and Insurance rates ruling at the time of shipment. In addition provision is made for the erection of the plant, preparation of foundations, staff and working expenses for a period of one year. If an industrial District Staff is sanctioned however (vide this office letter No. A28 dated 19-5-46) the amount estimated for staff can be considerably reduced as in this case only rough labour would be required for the erection.

4. The estimated expenditure of Rs. 13,000 may be re-appropriated as follows :- (1) Director of Industries Bureau of Information Rs. 4000 (2) Dyeing Branch Supplies and Services Rs. 3000. (3) Leather Trade School (a) salary Rs. 2000 (b) Supplies and Services Rs. 4000.

5. A suitable site for the demonstration has been provisionally secured at Kumbakonam where Mr. A.R.S. Pakria Pillai a leading local Merchant has a new Rice Mill in course of erection. The Mill will comprise a Husk sheller, Huller, Polisher and combined Aspirator and Blower, and in conjunction with the Suction Gas Plant will form a small model rice hulling plant, the husks from the sheller being used to raise the requisite amount of gas in the generator.

6. I consider that the demonstration may be expected to prove advantageous to factory owners generally. The power used has hitherto relied to a great extent on the Oil Engine to furnish power at a reasonable rate but the price of liquid fuel has risen from Rs. 40 to Rs. 70 per ton within the last year, and in view of the increasing world wide demand for fuel oil this advance may be assumed to be of a more or less permanent character, consequently the demand at the termination of war for a proved Economical power plant may be expected to be great, and this need would seem to be met by waste fuel burning gas Plants which are now capable of burning almost any conceivable variety of waste product possessing combustible properties.

** This has been sent to the Director for remarks.*

7. In view of the great difficulty of obtaining Machinery at the present time prompt action will be necessary to secure the plant. I understand indeed that orders for new engines cannot now be placed without the production of a certificate from the Military Authorities that the engine is required for purposes directly connected with Military requirements. I do not know how this firm, Messrs Greaves Cotton and Co. have been able to get the engine they have offered ~~me~~ shipped from England, but it is certain that as soon as it arrives in Bombay it will be snapped up. I request, therefore, immediate orders in order that I may place the order.

8. A re-appropriation statement in duplicate is herewith submitted for sanction.

I have the honour to be,
Sir,
Your most obedient servant,
Chinn
Director of Industries.

4

5

ESTIMATE.

Rs.

Capital.

33 B.H.P. Ruston Station Gas Engine and Refuse Burning Gas Producer	
F.O.B. English port	6500
Freight, Insurance and Duty	1300
Clearing charges	100
Water circulating Pump and piping	300
Driving belt, driving counter-shaft pulleys	350
Foundations etc.	750
Transport of plant to destination	500

Working Expenses

stores	Lubricating oil and miscellaneous	750
--------	-----------------------------------	-----

Staff.

(Including Labour required in Erection)	2000
Rs.	12,550

Say Rs.13000 to allow for a possible increase in freight and insurance charges.

Ames
Director of Industries.

RE-APPROPRIATION STATEMENT to accompany all applications for sanction to expenditure not provided for in the budget,
or for additional allotments.

Industries DEPARTMENT OF COMMERCE

Major, minor, sub and detailed heads of budget (a).	HEADS OF ESTIMATE PROPOSED TO BE INCREASED.				HEADS OF ESTIMATE PROPOSED TO BE REDUCED.				REMARKS.
	Amounts as in the sanctioned estimate.	Actual expenditure up to date.	Probable expenditure during remainder of the year.	Amount of additional allotment required.	Amounts as in the sanctioned estimate.	Actual expenditure up to date.	Probable expenditure during remainder of the year.	Amount available for re-appropriation	
1	2	3	4	5	6	7	8	9	10
26 from Science for and minor departments									
1. Director of Industries— Bureau of Industrial Information	-	-	-	-	5000	-	1500	4000	
2. Dyeing Branch— Supplies and Services	-	-	-	-	4200	-	1200	3000	
3. Leather Trades Branch— Salaries	-	-	-	-	9000	2400	3500	3600	
Supplies and Services	-	-	-	-	16870	2190	10680	4000	
Experiments with section of plants	-	-	-	13000				11100	

(a) The same detail must be given as in the printed Civil Budget Estimate

NOTE.—If no re-appropriation is possible, the urgency and necessity for the expenditure must be fully explained.

Dated 20-11-1916

The
1916

Director of Industries

Chander

DEPARTMENT.

Vol 4368
27.11.16

C.F.-29.

Received



191

Registered

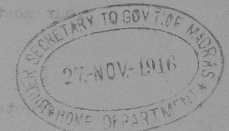
191

Subject.

Regarding the purchase of Demonstration Suction

Gas Plant..

Very Urgent



ENCLOSURES.
No. <u>511</u>
Spare copies

No.

Station Madras., Dated the 27th November 1916From (Name) C.A. Innes Esq., I.C.S.(Designation) Director of Industries.To The Secretary to the Government of Madras,
Home (Educational) Department.

Sir,

In continuation of my letter No.G. Cur.18 dated 21-11-16. I have the honour to enclose herewith copy of a letter dated 24th November 1916 received from Messrs. Greaves Cotton & Co., Bombay, informing me that they have been compelled to increase the price of the Suction Gas Plant quoted in their estimate of the 14th instant by 5 per cent. It was upon the strength of this estimate that I applied for sanction to incur an expenditure of Rs.13000 and now that the price of the plant has been advanced it will be necessary for this figure to be increased to Rs.13350.

It will be seen from the firm's letter that probably this is the only Suction Gas Engine it will be

page 1, supra.

able to sell till after the war. Thus if we miss this chance, the proposed demonstration of Suction Gas Engine will be indefinitely postponed and I trust that it will be found possible to issue immediate orders.

I have the honour to be,

Sir,

Your most obedient servant,

Chambers
Director of Industries.

Copy of letter No.M/RR dated 24th November 1916 from Messrs. Greaves Cotton & Co., Bombay, to the Director of Industries, Madras.

We beg to confirm the telegram we sent you yesterday reading

"Reference our estimate 14th for 33 horse Ruston
"Suction Gas plant we have been compelled increase
"price five percent".

You will understand from the above that we have been compelled to increase the price we quoted you in our estimate of the 14th instant for the 33 B.H.P. Ruston Suction Gas Engine and No.5W Refuse Producer Plant with accessories by 5%. This is owing to certain information we received by the English mail that came to hand yesterday. The makers - Messrs. Ruston Proctor & Co - are so severely controlled by the representatives of the Admiralty and Munitions Committee that it is now absolutely impossible to put through any work for trade. We shall therefore not be in a position to obtain any more Suction Gas Plants till after the war. This has put us in a very awkward predicament, so we have decided to increase prices all round. We might state that we have informed all our clients to whom we had submitted estimates for Suction Gas Plants that we have been compelled to increase the price by 5%.

Soliciting the favour of your esteemed commands which shall have our usual prompt attention.

OFFICE NOTE.

10
 SUBJECT. Purchase of a suction
 pump gas plant for the
 Dept. of Industries.
 From The Special officer, Dept. of Industries
 of the 17.11.16.

Register No. 4368.

Submitted that the special
 officer's letter G. Com N. 18, dated
 the 21st November 1916, referred
 to at the beginning of the letter
 in the current file has not
 been received here. It is under-
 stood that it was forwarded
 to the Govt. through the A.G. &
 is apparently still in the
 latter's office. Its receipt
 may be awaited.

SA
 27.11.16.

11/11/16

AG
 Ask by telephone. The matter
 is to be treated as very urgent.

28.11
 28.11.16

(Letter recd from the A.G.
 28/11.)

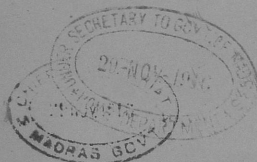
page 7 of cf.

C No 4385. From the Special officer,
Dept of Industries, No 189/No. 11-1

Mr Luns submits proposals for the purchase of a suction gas plant for demonstration purposes. The need for such demonstration is explained in para 6 of his letter on page 2 of the current file. The proposal may, it is submitted, be sanctioned.

2. The ~~cost~~ expenditure involved in the proposal is estimated at Rs 13,350 of this, ~~also~~ a sum of Rs 2,000 is for staff including labour required in the erection of the plant. The special officer may be asked to ~~specify~~ specify the staff required & apply for sanction to its employment.

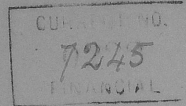
3. A draft order is submitted for approval. It may be sent to the Financial Dept for acceptance.



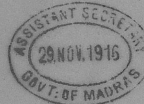
Sol no 4368-7
29.11.16

28/11/16

29/11/16



Rep. 27.11.16



Accepted in Annual.

C.S.

29.11.18

27.11.16

Home. no

May 1916

29.11.16

J. M.

1/11/16
✓ Dispatch at 10
in Smith. 29.11.16

Suction gas engine.

Sanctioning the purchase of a ----- for the Department of Industries for demonstration purposes.

READ AGAIN G.O. No., dated 19 ..

" " " " 19 ..

READ ALSO:-

C. No. 4385, From the Officer in charge of, No. 18, dated the 20-11-1916, the Department of Industries.

" " 4368, " " " " " " " " 27-11-1916.

" " " " " " " " " " 19 ..

ORDER.

No. 1276, dated 29-11-1916.

Mis.

The Government sanction the purchase of a **Suction** gas engine for demonstration purposes in the Department of Industries. They also approve the estimate of working expenses of the plant submitted by the Officer in charge of the Department. The specific sanction of Government should be obtained to the employment of any regular establishment that may be found necessary.

2. Orders ~~and~~ the reappropriation statement will be issued in the Financial Department.

To

The Officer in charge of
the Department of Industries.
The Financial Dept. (G. & O.)
(with reappropriation statement).

*Re-appropriation
with
29/11/16.*

29/11/16

1/11/16

29/11/16

When given for copying _____
 When copied _____ 10
 When examined _____
 When signed _____

RECEIVED AGAIN G.O. No. _____
 19 _____

DATE _____

CURRENT No. _____

ENCLOSURES TO O. No. _____

ORDER OF GOVERNMENT _____

A A A A A A A

LETTER OF GOVERNMENT _____

STATEMENT WITH EXCERPTS _____

PAPERS NOT FILED BY, BEING WANT FOR DISPATCH
 IN ORIGINAL

N.B.—

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