Revenue (1898) Department.

PRESS SERIES.

G.O., No. 343 & 344

Dated 15th June 1898.

[Despatch Abstract.]

Recording Board's Pros: & enclosing with remarks report from Mr. Middleton regarding the kind of alumnois now-ore available in this Presidency.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Revenue (1898) Department.

CURRENT No. 3/88

From

The Board of Revenue, Land Revenue, Madras.

No. 1116 Misc.

Order

Dated 25th April 1898

Received 28 "

Registered 30 "

Enclosures

Spare copies

SUBJECT.

Submitting for the information of Govt. with the Board's remarks, report from Mr. Middlemiss regarding the kind of aluminous ore available in the Presidency.

R.S. 27/5/98

BACK PAPERS.

G.O.	No.	Department.	Date.
P.O	144	Rev.	10.3.98
	980 Mis		6.7.97
BP	3 61 & Rev		23.5.86
	1007		3.12.97
P.O.	1,222		30.3.98

B.P. 28 361 21.7.71

FURTHER PAPERS.

G.O.	No.	Department.	Date.

2,000
20-1-98.

REVENUE BOARD OFFICE
MADRAS

Proceedings of the Board of Revenue

(Land Revenue).

NO.1116 Misc.Dated 25th April 1898

Read Government Order Revenue Department,NO.141,— dated 10th March 1898;and the following reference No.291 dated 14th March 1898.

Forwarded to ~~him~~ Mr.Middlemiss for the favor of early report.

Read also the following letter from C.S.Middlemiss Esq.,B.A.,Superintendent,Geological Survey of India,dated 24th —— March 1898,NO.

In reply to Reference No.291 dated 14th March 1898, I have the honour to say that in the 2 districts of Salem and Coimbatore (of which alone in Madras I have any personal acquaintance) I know of no aluminous iron-ore of the kind mentioned by Major —— Mahon in para 4 of his letter No.6554/III.C.,dated 1st March 1898.

Outside of those districts I have no information — that is not also accessible to the Board of Revenue,but I should — think that plenty of ore of the kind required,or as suitable,might be got from the laterit~~e~~ ie iron ores of Malabar,Chingleput,Vizagapatam and Madura;whilst,further away,the clay-ironstones of the coal-fields of the Barakar group,and the ironstone shales of the Raniganj coal-field would doubtless also yield what is required.

Resolution

Submitted for the information of Government with reference to para 2 of G.O.No.144 dated 10th March 1898.

2. As Major Mahon has reported that an admixture of aluminous — ore will not be required for the experiments about to be carried out it seems to the Board that no further action is necessary - for the present.

Para 2 of letter dated 1st March 1898 recorded with G.O.No.144, dated 10.3.98

3. The Board shares Major Mahon's surprise at Mr.Middlemiss' estimate of the contents of iron in the Kanjamalai ore, but it will be observed that Mr.Head's estimate of 37 cwt. of ore being required for a ton of — iron, which has been followed by the Board, and does not differ materially from Major Mahon's estimate of 36 cwt. corresponds to an average richness of only 51 per cent of metallic iron ore, and was based not on analyses, but on the reported results of the actual experience of the old — East India Iron Company. Mr. Head also contemplated — that the ore used would be carefully hand picked, and allowed for the cost of — doing so. It is also to be noted that the special value of the Salem Iron Ore lies not only in its richness but also in its freedom from impurities, and consequent fitness for use in the manufacture of Bessemer pig-iron.

Board's Progs.No.361, dated 23.9.1896.
Cost of ore at Pullampatti p.9
Probable richness in bulk p.10
Cost of production by the East India Iron Company p.12
Richness of ore p.12

Board's Progs.No.361 dated 23.9.96
Resembles Gillipra Ore p.10

(True Copy & Extract)

Lionel Davidson.
Ag. Secretary.

To the Secretary to Government, Revenue Department.

para 11 of T.O 221 30.3.97 flag F

vide 12 of the B.P on page 19 of T.O 221 30.3.97 flag L

x letter in T.O 1007 3.12.97. C 2015/98.

Read B.P(Ql.R) No 1166 mis 25.4.98

(Cuo 3188 of 98)

Note.

In Section III of this "Report on the manufacture of iron and steel in India," Major Mahon wrote that, owing to the quartzose nature of the gangue, it would be necessary in working the Salem iron ore to mix along with it a proportion of aluminous ore so as to obtain a slag easy to deal with. With reference to the above remark, the Board of Revenue in reporting on the desirability of sending a Consignment of 300 tons of Salem iron ore to England for experimental purposes suggested that the advice of Major Mahon might be taken as to the need for sending suitable aluminous ore along with the Consignment of iron ore. Accordingly the Government of India was requested in letter No. 222 30 March 1897 to obtain Mahon's advice. In re above letter, K

while Sanctioning the despatch to England of two tons of iron ore and five tons of Bengal Coal, did not advert to the possible necessity for Sending aluminous ore for the purpose of being mixed with the iron-ore in working the latter. In their letter* dd 30th November 1897 however (Sent in Continuation of the reply referred to above), the Govt of India informed this Government that on receipt of a report from Messrs Bolchow Vaughan & Co on the results obtained from the trial of the limited quantity of Salem iron ore and Bengal Coal, it was under Contemplation further to Send a Consignment of 300 tons of Salem iron ore and 600 tons of Bengal Coal and requested that they might therefore be furnished with the views of this Government as to whether what aluminous ore (of Indian origin) it might be most desirable to Send for the purpose of being mixed with the iron

To

Thereupon the Board of Revenue submitted a report on the question in communication with the Middlesex Court of India. In this report it

* printed on page 2 of P.O 144 / 10.3.98. flag S

P.O 247 Mins / 17.1.98 printed on page 2 of P.O 144 / 10.3.98.

x No. 507 Mins on page 3 of P.O 144 / 10.3.98.

* printed on page 4 of P.O 144 / 10.3.98 flag T

⊗ letter dd 1.3.98 on page 4 of P.O 144 / 10.3.98.

x Proceedings dd 21.2.98 forwarded a letter from Mr Middlemiss stating that in the absence of further information he was not in a position to offer any definite advice in the matter. It was therefore thought necessary better to obtain the advice of Major Mahon himself and he was accordingly addressed in letter No. 981 dd 25.2.98. In reply* he pointed out that he had in a previous Communication explained to the Govt of India that however desirable an admixture of aluminous ore might be with a magnetite Such as that stated to be available at Kanjamallai for general manufacture, the Salem was not a necessity for purposes of experiment; he however added that if the proposal to Send aluminous ore for purposes of experiment were still adhered to, the ore most Suitable for the purpose would be the one answering to the analysis given in para 4 of his letter. The Board of Revenue was thereupon requested report after Consulting whether alumin

2 view by Major Mahon was available
near the Salem iron-beds or anywhere else in the Presidency; the Govt of India was at the same time informed that although Major Mahon had informed the Govt of India that it was unnecessary to send any aluminous ore to England for purposes of experiment, enquiry was being made as to the availability near the Salem iron-beds or anywhere else in this Presidency of the aluminous ore of the description given by Major Mahon.

G.O. 144 10.3.98

*letter No 145 dt 10.3.98

2. The Current under disposal furnishes the information called for in para 2 of G.O. 144 10.3.98. Mr Middlemiss now states that in the districts of Salem and Coimbatore (of which alone in Madras he has any personal acquaintance) he knows of no aluminous ore of the kind described by Major Mahon but that a plenty of ore of the kind required or as suitable might be got from the lateritic iron ores of Malabar, Tinnevelly, Vizagapatam and Madura clay ironstones of the Coal Nerakur group and the ironstone shales of the Raniganj Coal fields would doubtless also yield what is required. In submitting Mr Middlemiss' letter, the Board expresses its opinion that as Major Mahon had reported that aluminous ore would not be required for experimental purposes, no further action is necessary for the present.

3. The information furnished by Mr Middlemiss is likely to be useful only in case it is decided to establish an industry in this Presidency for working the Salem iron ores.

A draft order and letter are put up. Secy
25.V.98

Fr
21.5.98

Road Board's Rep (L&R) 1116 mis 25-4-98.
(C. No. 3188 of 95).

G.O.P. No. 343 15th June 1898.

Recorded. ~~The application forwarded by the Municipal Council is~~ likely the municipal only in case ~~it~~ it is decided to establish in this Residency an industry for working the Salem ~~Coal~~ works &c.

2. The following letter will be despatched to the Government of India.

25/5/98

To The Board (L&R)

Copy to Major Mahon with reference to his letter No. 6554 - III - C 3 1.3.98 with copy of G.O. 144 10.3.98

6/3

Sent to Madras with your demi-official of 11/6/98

To The Secretary to the Government of India Public Works Dept.

Sir,

In continuation of my letter of 10th March '98, No. 1[illegible] stating that enquiries regarding the above do not elicit any information

~~the purpose of being mixed in~~ for
with ~~the~~ Salem iron ore. I am
working ~~the~~ Salem iron ore. I am
forward herewith 1/a Copy of the Proc. of the Bd of Rev No 1116 m
decided to ~~state that~~ Mr. Middlemiss & 24 April 98 embodying a report
superintendent Geological Survey of
India ~~who was consulted in the~~
from which it appears
matter that, ~~that he knows of~~ while
no aluminous ore of the kind
described by Major Mahon, ~~is known to exist~~
in the Salem or ~~the~~ Coimbatore Dts,
~~but that~~ plenty of ore of the kind
required ~~are~~ as suitable ~~might~~ could
be got from the laterite iron
Obtained
ore of Malabar, Chingleput,
Vizagapatam and Madura, ~~while~~
the clay ironstones of the Coal-
fields of the Barakar group &
the ironstone shales of the
Raniganj Coal-fields would
doubtless also yield what is
required. ~~I am to add that~~
~~I am to add that~~ In view
of Major Mahon's opinion
that this unnecessary ~~search~~ any
aluminous ores to England
for purpose of experiment, no
further action ~~is~~ need ~~be~~ taken
Chingleput, ~~&c &c &c~~ ~~that the~~
clay irons ~~embodied by~~ ~~Howell's~~
~~nature of~~ ~~likely~~

D has an important
likely ~~bearing~~ only in case
bearing on the prospects of an iron
is decided ~~to be~~ obtainable in this
Presidency, ~~and is likely to~~
~~operate adversely on the~~
Salem iron ores
Thanks &c
25/1/98
H. L.
for approval.
26/1/98

FORWARDIN
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in this Presid
ding Board's Proceedings submitting, v
the kind of aluminous — available in th

Iron-ore

Government {1898} of Madras.

REVENUE.

Recd. } 1898.
Regd. }

G.O., No. 343, 15th June 1898.

JUNE.

FORWARDING a copy of the Proc embodying a rep in this Presidenc

Iron-ore

ding Board's Proceedings submitting, w arks, r port from Mr. M the kind of aluminous — available in this

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

Read—the following Proceedings of the Board of Revenue (Land Revenue), Mis. No. 1116, dated 25th April 1898 :—

Read—G.O., No. 144, Revenue, dated 10th March 1898.

Abstract.—Communicating to the Board of Revenue letter from Major R. H. Mahon, R.A., of Cossipore; requesting it to report, after consulting Mr. Middlemiss, whether aluminous ore of certain description is available in this Presidency, and addressing the Government of India on the above subject.

Read—the following Reference of the Board of Revenue (Land Revenue), No. 291, dated 14th March 1898 :—

Forwarded to Mr. Middlemiss for the favour of early report.

Read—also the following letter from C. S. MIDDLEMISS, Esq., B.A., Superintendent, Geological Survey of India, to the Secretary to the Commissioners of Land Revenue, dated 24th March 1898 :—

In reply to Reference No. 291, dated 14th March 1898, I have the honour to say that in the two districts of Salem and Coimbatore (of which alone in Madras I have any personal acquaintance) I know of no aluminous iron-ore of the kind mentioned by Major Mahon in paragraph 4 of his letter No. 6554—III.C., dated 1st March 1898.

Outside of those districts I have no information that is not also accessible to the Board of Revenue, but I should think that plenty of ore of the kind required, or as suitable, might be got from the lateritic iron-ores of Malabar, Chingleput, Vizagapatam and Madura; whilst, further away, the clay-ironstones of the coal-fields of the Barakar group, and the ironstone shales of the Raniganj coal-field would doubtless also yield what is required.

esolution—Mis. No. 1116, dated 25th April 1898.

Submitted for the information of Government with reference to paragraph 2 of ., No. 144, dated 10th March 1898.

2. As Major Mahon has reported * that an admixture of aluminous ore will be required for the experiments ab to be carried out, it seems to the B that no further action is necessary present.

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The Board shares Major Mahon's surprise at Mr. Middlemiss' estimate o of iron in the Kanjamalai ore, but it will be observed that Mr. of 37 cwt. of or being re ed for a ton of iron which has been f ard, and does no ally from Major Mahon's estimate of

corresponds to an average richness of only 51 per cent. of metallic iron-ore, and was based not on analyses, but on the reported results of the actual experience of the old East India Iron * Company. Mr. Head also contemplated that the ore used would be carefully hand-picked, and allowed for the cost of doing so. It is also to be noted that the special value of the Salem iron-ore lies not only in its richness but also in its freedom from impurities, and consequent fitness for use in the manufacture of Bessemer † pig-iron.

* Board's Proceedings, No. 361, dated 23rd September 1896.
Cost of ore at Pullampatti, p. 9.
Probable richness in bulk, p. 10.
Cost of production by the East India Iron Company, p. 12.
Richness of ore, p. 12.

† Board's Proceedings, No. 361, dated 23rd September 1896.
Resembles Gellivara ore, p. 10.

(True Copy and Extract.)

(Signed) LIONEL DAVIDSON,
Acting Secretary.

To the Secretary to Government, Revenue Department.

Order—No. 343, Revenue, dated 15th June 1898.

Miscellaneous.

Recorded.

2. The following letter will be despatched to the Government of India.

(True Extract.)

(Signed) G. S. FORBES,
Secretary to Government.

To the Board of Revenue (Land Revenue).

Copy to Major Mahon, with reference to his letter, No. 6554—III-C., dated 1st March 1898, with copy of G.O., No. 144, dated 10th March 1898.

Forwarding to [illegible] a copy of the Proceedings embodying a report in this Presidency.

1898.

PUBLIC WORKS DEPARTMENT.

From

The Government of Fort St. George.

Recd. } 1898. *Enclosures*

Regd. } 1898. *Spare copies*

Letter, No. 244, 15th June 1898.

JUNE.

FORWARDING to the Secretary to the Government of India, Public Works Department, a copy of the Proceedings of the Board of Revenue, Mis. No. 1116, dated 25th April 1898, embodying a report from Mr. Middlemiss regarding the kind of aluminous iron-ore available in this Presidency.

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REVENUE DEPARTMENT.

From

The Honourable Mr. G. S. FORBES, I.C.S.,
Secretary to the Government of Madras,

To

The SECRETARY to the GOVERNMENT OF INDIA,
Public Works Department,

Dated Ootacamund, 15th June 1898.

Sir,

Miscellaneous.

In continuation of my letter, No. 145, dated 10th March 1898, stating that enquiry was being made as to whether aluminous ore suitable for working with Salem iron-ore, could be found near the Salem iron beds or anywhere else in this Presidency, I am directed to forward herewith a copy of the Proceedings of the Board of Revenue, Mis. No. 1116, dated 25th April 1898, embodying a report from Mr. Middlemiss, Superintendent, Geological Survey of India, from which it appears that, while no aluminous ore of the kind described by Major Mahon is known to exist either in the Salem or the Coimbatore districts, plenty of ore of the kind required, or as suitable, could be obtained from the lateritic iron-ores of Malabar, Chingleput, Vizagapatam and Madura, whilst the clay-ironstones of the coal fields of the Barakar group and the ironstone shales of the Raniganj coal-field would doubtless also yield what is required.

In view of Major Mahon's opinion that it is unnecessary to send any aluminous ore to England for purposes of experiment, no further action seems needed at present.

I have the honour to be,
Sir,
Your most obedient servant,

(Signed) G. S. FORBES,
Secretary to Government.

Exd. Shaik Karim.

40 Copies.