Baroness (27) Department.

PRIZE COURTS.

C.O. Nos 1007-1008

Dated 3rd December

[illegible Abstract]

Papers and documents relating to the subject of the Capture of Vessels Baloeira, Vanguarda and Flo
Sample of Salem Steam Navigation Co for the purpose of determining by examination
or condemnation the validity of the said Seizures
and Detention and also for the
Judicial Sale.

ISSUE PAPERS.

G.O.	No.	Dated	Date.	G.O.	No.	Dated	Date.

RECEIPT PAPERS.

G.O.	To	Dated	Date.	G.O.	To	Dated	Date.
C No 127/98							
C No 10826/97	-196	7-14-1	98				
C No 10868/97		15-1	98				
C No 10515/97	-197	9-1	98				
C No 10685/97							

Revenue (1897) Department.

CURRENT No. 8661

7 OCT 97

From

The Board of Revenue, Land Revenue, Madras.

Order

No. 1720. ~~2957~~ Mis.

Dated 2nd. October 1897.

Received 7.10.97

Registered 8.10.97

Enclosures

Spare copies

SUBJECT.

Submg. for the orders of Govt.— with Board's remarks, letter from the Superintendent, Bengal Coal Company, (Ld) Calcutta stating that the Company — would be willing to supply 600 tons of Bengal Coal required for experi— mental purpose.

G.O.	No.	Department.	Date.
	221	Rev	30.3.97

FURTHER PAPERS.

G.O.	No.	Department.	Date.

4841.

REVD. No. 4841
LAND REVENUE

CABLE ADDRESS:
"COLLIERIES" CALCUTTA.
A. B. C. CODE USED.

BOARD OF REVENUE
20 SEP 97
MADRAS

The Bengal Coal Company, "Limited."
SUPERINTENDENT'S OFFICE.

CALCUTTA. September 21st 189.

From
The Supt. Bengal Coal Co. Ltd.
Calcutta.

To The Secretary
Board of Revenue, Govt. of Madras
Madras.

Sir,

Salem iron-ore.

With reference to the Boards decision to send home 200 tons of Mis ore & 600. tons Bengal Coal for the purpose of determining by actual experiment the value & cost of production of Salem ore iron made from Salem ore with Indian Coal, I have the honor to state that this Company would be willing to supply the coal required either from our Sanctoria or Giridih Colliery at cost price Ex Calcutta. Would you be good enough to communicate our proposal to the Govt. of India & favour us with your instructions in the matter.

I have the honor to be
Sir,
Your most obedient servant
[illegible]
Superintendent.

In original to be returned.

Q.B.

2,000
16-8 97.

REVENUE BOARD OFFICE
MADRAS.

Proceedings of the Board of Revenue

(Land Revenue).

NO. 3740 Mis. Dated 2nd. October 1897.

Read letter from the Superintendent, Bengal Coal Co. Limited, Calcutta, dated 24th September 1897.

Resolution.

Submitted for the orders of Government with reference to its order dated 30th March 1897, No.221.

2. Government has already been informed in Board's Proceedings No.2275 dated 25rd June 1897 that the Board has no one under its orders who is competent to collect and despatch the iron ore and, in supersession of its proposal that Mr. Middleniss should be deputed to point out the ore required, it would now suggest that some officer with the necessary qualifications should be placed on special duty for the purpose of seeing the whole of this important experiment carried through to a satisfactory conclusion. Apparently the selection of the coal to be sent home has proceeded no further than has the selection of the ore.

(True Extract)

Secretary.

To the Secretary to Government, R.D. with letter in original to be returned.

Q.B.

O
18 4,000—19-7-97.

Revenue (1897) Department.

CURRENT No.

From

The Government of India
Public Works Dep't

Order

No. 52 C & S.

Dated 5 Nov.

Received 11 "

Registered 12 "

Enclosures 2

Spare copies.

SUBJECT.

Forwarding for information
Madras Govt copies of telegrams re
despatch to Messrs Bolckow Vaughan
of Middlesborough-on-Tees of a sample
Salem ore & Indian Coal for the purpo
determining by experimental manufac
the value & cost of production of pig
made from Indian ore & regarding
arrangements may be made at
their despatch direct to the said Co

E?/12/11

BACK PAPERS.

G.O.	No.	Department.	Date

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Copy of a telegram dated the 14th September 1907 from the Government of India in the Department of Revenue and Agriculture to the Secretary of State for India.

Your Revenue despatch No.75,2nd July 1907. Views from Govt. Government of Madras propose sending here Government of India are in favour for trial. We strongly recommend that Major Waterhouse, Superintendent of Cossipore Gun Foundry and Shell Factory, should be sent from India for a period of four months and a half from 1st October next to make trial and report fully on whole subject. Probable expenditure about 5,500 rupees. Do you consent ?

Copy of telegram.

From London.

From Secretary of State for India.

To Simla.

To Viceroy.

London the 6th October 1897.

Your telegram 8 of 14th September last. Colonel Oke and Indian Secretary Colonel Vaughan suggest two tons each should be sent from India for purpose of preliminary experiment with detailed statement of information required in absence impossible to state whether their works suitable for experiments. If you agree to act accordingly. Deputation of Major Maber might be postponed.

All communications should be addressed to the Secretary.

No. 52 C.S.I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Coal and Iron.

To

The Secretary to the Government of Madras,

Revenue Department.

Simla, the 5th November 1897.

Sir,

In acknowledging the receipt of your letter No.222 dated the 30th March 1897 and Memoranda Nos.240 A., and 240 B., dated, respectively, the 1st and 14th April 1897 to the address of the Government of India, Revenue and Agricultural Department, I am directed to forward, for information, the accompanying copy of a telegram dated the 16th September 1897 to Her Majesty's Secretary of State for India, and of His Lordship's reply, dated the 6th October 1897, regarding the despatch, to Messrs Dolchow, Vaughan and Company of Middlesborough-on-Tees, of a sample of Salem iron ore and Indian Coal, for the purpose of determining by experimental manufacture the value and cost of production of pig iron made from Indian ore with Indian coke.

2. I am to request that, with the permission of His Excellency the Governor in Council, arrangements may be made at once for the despatch direct to Messrs Dolchow, Vaughan and Company of a 2 ton sample of Salem ore and 5 tons of Gasetoria Coal. The latter may be obtained from either the Bengal Coal Company, the Bengal Nagpur Company or the Equitable Coal Company, and I am to suggest that the Madras Government should communicate direct with the Calcutta Office of one of these Companies. I am also to request that, in advising despatch of the samples, Messrs. Dolchow,

Bolchow,Vaughan and Company may be informed that the detailed statement:: Vide telegram dated 6th October
: 1897 from the Secretary of
of information : State.
required will be separately forwarded,if it cannot be forwarded before advice of the despatch.

An intimation of the despatch of the samples should also be sent to the Government of India.

I am to say that arrangements are being made for the preparation of the detailed statement of information referred to above,which will be forwarded to Messrs Bolchow,Vaughan and Company through the India Office by the Government of India, copy being sent to the Government of Bengal.

I have the honour to be,

Sir,

Your most obedient servant,

N. F. Mackenzie

Under-Secy.to the Govt.of India.

Documents accompanying:-

Copy of telegram referred to.

No

C.A.

C.6 1357/97

The Hon^ble Mr J. Grose C.I.E.

Flag A

Read again G.o. 221.2 30.3.97
846.7 6.4.97.
Ctr. 8661 of 97

For orders.

In connection with the question of determining the feasibility of working the Salem iron ores, it was proposed to send to Messrs Bolchow Vaughan & Co. of Middlesborough-on-Tees. 300 tons of the ore and 600 tons of Barrakur Coal for experimental purposes and the sanction of the Govt of India was solicited in this Govt's letter no 222 dt 30.3.97. No reply has as yet been received to the above communication. The Board now submits for orders a letter which it has received from the superintendent, Bengal Coal Company, Calcutta, in which they offer to supply the 600 tons of Bengal Coal required for the experimental manufacture & request that they may

C. 7/4/97.

maybe Communicated to the Govt of India. It is thought that the Coal Company's letter may be sent on to the Govt of India and this opportunity availed of to remind them of this Govt's letter no 222 of the 30th March last.

There is one other point to which the Board makes a reference. — The Collector of Salem who had been asked to make such preliminary arrangements as might be practicable to secure the early despatch of the consignment of the ore, having reported that the quantity of ore required could not be collected without professional assistance, the Board of Revenue recommended that Mr. Middlemiss should be deputed to visit the locality and point out the kind of ore required and the place where it could be most conveniently mined. Accordingly in the letter recently addressed to the Director Geological Survey of India the latter has been asked to spare Mr Middlemiss's services for inter alia. Embracting the Salem ore required for shipment to England. Now the Board says that 'in supersession of its previous 'proposal that Mr Middlemiss should be deputed to 'point out the ore required 'it would now suggest that 'some officer with the necessary qualifications should be placed on special 'duty for the purpose of 'seeing the whole of this important Experiment 'Carried through to a 'satisfactory Conclusion'

The Board does not say why Mr Middlemiss's deputation will not do as first thought, and the selection of an officer possessing the necessary qualifications does not appear to be an easy matter.

The Board proposal is

Yes 29

Wells 3/11/87

Flag B.

parers of letter Flagg & C.

If the Govt of India approve of the experiment proposed, the coal & the iron ore will be shipped to England when probably Major Cadell's suggested experiment would be tried, being perhaps carried through. Mr Anderson's plan of test might be necessary to get the ore out but the shipment of the ore as it seems to require no expert supervision and the conduct of the experiment generally has to be left to Messrs Kellner Vaughan & Co. I submit that for the present all that has to be done is to acquaint the Govt of India in communicating to it the offer of the Bengal Coal Company.

WRL
3-11-97

I do not see why a special officer is wanted. After two years where the ore is now extracted has been settled, it would need an expert to dig out the ore & pack it.

JG
6/11/97

REVENUE DEPARTMENT.

No.

From

The Hon'ble J. Gibbs C.I.E. Dated 189

FOR ORDERS.

The Secy P.W.D. for favour of comments with reference to para 3 of the draft G.O.

WRL 25.XI.97 SJB +page 10 A

WRL 25.11.97 25/11/97

HOT

+page 408 A

G.O. 420 4.7.95

+page 217 A

+G.O. No 420 dated 4th July 95 Leg A. p. 23.

C. 30/11/97

Upon the receipt of a preliminary report by Mr. Holland on the iron ores and iron industries of the Salem district, the Government called+ for a report on the steps which should be taken towards developing the iron resources of the Salem district. In reply to this call, Mr. Stokes, the Collector of Salem, submitted+ a memorandum on the subject accompanied by notes recorded by the District Forest Officer, Conservator of Forests, Mr. Holland & others. The Board in submitting+ the papers to Government presumed that the Government had no intention of undertaking any mining or manufacturing operations, but that all that was desired was that every publicity should be given to all the information available as to the character & and extent of iron ores in the Presidency. The Government agreed+ with the Board and the papers were communicated to the Secretary of State, the Govt. of India and principal coy-

FOR ORDERS.

E.O. No 109 Rec'd 12 Mar 96 B

n view of their placing the papers at
he disposal of the Chambers of Com-
erce, bodies interested in the iron
ndustry, and the Press..

The Wigan Chamber of Commerce
pon receipt of these papers made a
uggestion that the Govt. should ship
00 tons of the Salem ore to England
o be smelted at Birkenhead where it
as reported that most of the Spanish
re was treated. The Chamber of Com-
erce stated that the possibility of making
the iron resources of the Salem dis-
rict and the benefits likely to
ccrue from their successful exploita-
tion were so immense that the Chamber
considered it would be to the interest
of the country that every possible
means should be taken to place before
those interested in the iron industry
the most complete information procu-
able. The Government viewed the
Chamber's proposal favourably, but de-
cided before taking further action
in the matter to address the Imperial
Institute in which arrangements had
been made for special examination of
Indian economic products, and to which
under the authority of the Secretary
of State, all resolutions involving
the investigation and analysis of In-
dian products by experts should have
to be referred. The Imperial Institute
was addressed in March 1896. In July
last, this Govt. received a despatch+

B

+ Page 6 of C

Page 7 of C

p24 of C

from the Secretary of State containing
a memorandum by Mr. Jeremiah Head, ex-
President of the Institute of Mechani-
cal Engineers and also a reply from
the Imperial Institute to this Govt.'s
proposal made earlier in the year. Mr.
Head, as is well known, reported unfa-
vourably upon the possibility of work-
ing the Salem iron ores profitably.
Secretary to the Imperial Institute
reported that Messrs. Bolckow, Vaughan
and Co. of Middlesborough-on-Tees were
willing to undertake an experimental
smelting of Salem ore and valuation of
the product if delivered at their w
he added further that it was not con-
sidered that 100 tons would furnish
a sufficiently decisive result to de-
termine practically and thoroughly th
value in this country of the ore in
question. A supply of 600 tons would
constitute, he stated, a proper and s
ficient charge for a blast furnace
He strongly recommended that if the
experiment were decided upon a quant
of 600 tons should be forwarded for
the purpose.

The Govt. invited+ discussi
upon Mr. Head's report. The result w
a memorandum* from Major R.H. Lenon, S
perintendent, Foundry and Shell Fact
ry, Possibore. Major Lenon contested
Head's conclusions and strongly rec
mended+ the proposal to send 600 ton
of Salem ore to Messrs. Bolckow Vaug

+ G.O. No 666 Rec'd 24th Nov 96
Flag C

* Page 2 et seq of D
G.O. 277 of 30.3.97

+ Page 4 of D attached

and Co. The Govt.agreed that it was desirable to despatch to Messrs.Volckow Vaughan and Co. a consignment of the Salem ore and Bengal coal for the purpose of determining by actual experiment the value and cost of production of pig-iron made from Indian ~~ore~~ ore with Indian coke and the Govt.of India were addressed upon the subject. At the same time the Board of Revenue was requested to ascertain the cost of collecting the necessary quantity of iron ore and conveying it to Kiddlestorcum and further to make such arrangements as might be practicable in order to secure the early despatch of the consignment in the event of the proposal being approved by the Govt.of India. The Collector of Salem who was instructed by the Board to furnish the estimate and to make the necessary arrangements,reported however,that the process of obtaining the ore was not simple and that, in fact,it was beyond his power,and he asked that Mr.Middlemiss should be deputed to select the ore to be excavated and that excavation should be carried out under Mr.Middlemiss' supervision. The Govt. was of opinion that the importance of the experiment made it desirable that the ore should be carefully selected by an expert and accordingly when addressing the Director of the Geological Survey of India with reference to future geological investigations in this Presidency asked for the services of Mr.Middlemiss for this purpose. Before a reply had been received either from the Govt.of India or from the Director of the Geological Survey of India,the Board of Revenue in D.No.2661 forwarded a letter from the Supt.of the Bengal Coal Co.Ltd.,Calcutta, stating that the Co. will be willing to supply the 600 tons of Bengal coal required for the proposed experiment. This paper was circulated for orders and the Hon.Member has ordered that the offer of the Bengal Coal Co.should be communicated to the Govt.of India and that they should be informed at the same time that a reply was still due on the subject of the proposed experiment. The Government of India have in the meantime replied (D.No.2655). It would appear that in September last,the Government of India telegraphed to the Secretary of State that the Madras Government proposed sending home a consignment of Indian ore and Indian coal for trial and that they strongly recommended that Major Wahom,Superintendent of the Cossipore Government Foundry and Shell Factory should be sent from India for a period of four months and a half from the first of October ~~was~~ to watch the trial and to report fully on the whole subject.The proposed expenditure was

+ G.O. No 221 Rev Dy 30th March 97 Flag D

Letter 847 Dy 97 F

+ Flag G

+ Vide notes on Mr. Price's note at Flag G

+ Flag H

Letter flagged E in original G.O. 846 6 Oct 97

stated to be about Rs.6,500 and the Secretary of State's sanction was requested. The Secretary of State replied however that Messrs.Bolchow Vaughan & Co. suggested that two tons each of coal and ore should be sent for the purpose of a preliminary experiment with detailed statement of the information required. The Government of India accordingly request this Government to make arrangements at once for the despatch direct to Messrs.Bolchow Vaughan and Co.of two tons sample of Salem ore and five tons of Sanctoria coal and suggest that the latter may be obtained from the Bengal Coal Co. or two other Companies. The Govt.of India further request that in advising despatch of the samples,Messrs.Bolchow Vaughan and Co.may be informed that the detailed statement of information required will be separately forwarded if it cannot be forwarded before the advise of despatch. It appears that this detailed statement of information will be forwarded by the Government of India through the India Office to Messrs.Bolchow Vaughan and Co.,copy being sent to this Government. This Government has therefore now to excavate from Ranjamalai and to despatch direct to Messrs Bolchow Vaughan & Co. Company, two tons of iron ore and has to ask the Bengal Coal Co. to similarly despatch five tons of Sanctoria coal. There can be no difficulty about the despatch of the coal but as regards the excavation of the ore the Director of the Geological Survey has since replied to this Govt letter with a general refusal. It would procably be easier for the Collector with the help of the D.P.W.subordinate to get out two tons of ore than the 500 tons of ore originally proposed. But in view of the importance of the experiment, it is submitted that even the two tons which are now required should be carefully selected by an expert so as to be properly representative of the quality of the Ranjamalai ore. It is submitted therefore that the Director of the Geological Survey may be addressed again and asked to depute Mr.Nicolemiss immediately for this important work which is not likely to occupy more than a week of his time at the utmost. A note on the general question of Geological investigation in this Presidency will be prepared. and submitted separately.

A draft G.O. and letter are submitted for approval.

Cm No 10085.

No 847(F) 6-10-97

25.XI.97

Two drafts below for approval

25/11/97

Read again G.O.No.221 dated 20th March 1897.

and also G.O.No.246 of 6th Oct.1897.

Read also G.nos.8661 and 8668.

G.O.(Press.) No.1007 of 3rd Dec. 1897.

The papers last read above will be communicated to the Board of Revenue. It is observed that only five tons of Sanctoria coal and two tons of Salem ore are at present required for the purpose of a preliminary experiment.

H.E. the Governor in Council gladly accepts the offer of the Bengal Coal Co. to supply the coal at cost price. The Board of Revenue is requested to communicate with the Company and to procure the despatch of five tons of Sanctoria coal to Messrs. Volcbow Vaughan and Co. direct at the earliest possible date. Intimation of the despatch should be given to the Government.

2. The Director of the Geological Survey will be requested to depot Mr. Ioolemiss without delay for the purpose of assisting the Collector of Salem in selecting the two tons of

...ion are required.

Orders will issue in the Public Works Dept. for the deputation of P.W.D. subordinates for conducting the blasting operations that will be necessary.

hrlls 25.XI.97 — 25/11/97 — L.Bell 29.11.97

To the Bd of Rev L.R.
To the P.W.D. — Encl 4/12/97

60/3

Letter. No. 1008

To the Director of the Geological Survey of India.

Sir,

With reference to your letter No.1200 dated 16th November 1897, I am directed to address you upon the subject of the deputation of Mr. Middlemiss to assist the Collector of Salem in selecting two tons of iron ore to be sent to England for experimental purposes. [2.] The Govt. of India has requested the immediate despatch to England of a sample consignment of two tons of Salem ore and five tons of Sanctoria coal. In view of the importance of the experiment about to be tried H.E. the Governor in Council is of opinion that the ore should be carefully selected by an expert so as to be truly representative

para 2

...of the Kanjamalai fields. A P.W.D. subordinate will be deputed to conduct whatever blasting operations may be necessary. The work will properly not occupy more than a week at the most of Mr. Middlemiss' time, and in view of the urgency of the matter, I am to request that very early orders may be communicated to him. [3.] A further communication will in due course be addressed to you upon the other matters dealt with in your letter, referred to above, on the general subject of future geological investigations in this Presidency.

para 3

hrlls 25.XI.97 — 25/11

20/2

Government (1897) of Madras.

REVENUE.

Recd. } 1897. *Enclosures*

Regd. } *Spare copies*

G.O., No. 1007, 3rd December 1897.

DECEMBER.

Salem Iron Ore and Indian Coal.

Passing orders on the subject of the despatch to Messrs. Bolchow, Vaughan & Co., of a sample of — for the purpose of determining by experimental manufacture the value and cost of production of pig-iron made from Indian ore with Indian coke.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

Read—again G.O., No. 221, Revenue, dated 30th March 1897.

Abstract.—Agreeing with the Board of Revenue in considering that it is desirable to despatch to Messrs. Bolchow, Vaughan & Co. of Middlesborough-on-Tees, a consignment of Salem ore and Bengal coal for the purpose of determining, by actual experiment, the value and cost of production of pig-iron made from Indian ore with Indian coke.

Read—again G.O., No. 846, Revenue, dated 6th October 1897.

Abstract.—Passing orders on the question of the continuance of the investigation of the corundum areas of Salem and Coimbatore, the investigation of Kurnool ores, and the inspection of mica mines in Nellore.

Read—also the following Proceedings of the Board of Revenue (Land Revenue), Mis. No. 3720, dated 2nd October 1897 :—

Read—the following letter from the Superintendent, Bengal Coal Company (Limited), Calcutta, to the Secretary to the Board of Revenue, Madras, dated 24th September 1897 :—

[*Salem Iron Ore.*]

With reference to the Board's decision to send home 300 tons of this ore and 600 tons Bengal coal for the purpose of determining by actual experiment, the value and cost of production of pig-iron made from Salem ore with Indian coke, I have the honour to state that this Company would be willing to supply the coal required either from our Sanctoria or Giridih colliery at cost price f.o.b. Calcutta. Would you be good enough to communicate our proposal to the Government of India and favour us with your instructions in the matter ?

Resolution—Mis. No. 3720, dated 2nd October 1897.

Submitted for the orders of Government with reference to its order, No. 221, dated 30th March 1897.

2. Government has already been informed in Board's Proceedings, No. 2275, dated 23rd June 1897, that the Board has no one under its orders who is competent to collect and despatch the iron ore and, in supersession of its proposal that Mr. Middlemiss should be deputed to point out the ore required, it would now suggest that some officer with the necessary qualification should be placed on special duty for the purpose of seeing the whole of this important experiment carried through to a satisfactory conclusion. Apparently, the selection of the coal to be sent home has proceeded no further than has the selection of the ore.

(True Extract.)

(Signed) R. C. C. CARR,
Secretary.

To the Secretary to Government, Revenue Department,
with letter in original to be returned.

Read—also the following letter from the Under Secretary to the Government of India, Public Works Department (Civil Works—Coal and Iron), to the Secretary to the Government of Madras, Revenue Department, dated Simla, 5th November 1897, No. 52 C & I. :—

In acknowledging the receipt of your letter, No. 222, dated the 30th March 1897, and memoranda, Nos. 228 A. and 2025 A., dated, respectively, the 1st and 14th April 1897, to the address of the Government of India, Revenue and Agricultural Department, I am directed to forward, for information, the accompanying copy of a telegram, dated the 16th September 1897, to Her Majesty's Secretary of State for India, and of His Lordship's reply, dated the 6th October 1897, regarding the despatch to Messrs. Bolchow, Vaughan & Co. of Middlesborough-on-Tees, of a sample of Salem iron ore and Indian coal, for the purpose of determining by experimental manufacture the value and cost of production of pig-iron made from Indian ore with Indian coke.

2. I am to request that, with the permission of His Excellency the Governor in Council, arrangements may be made at once for the despatch direct to Messrs. Bolchow, Vaughan & Co. of a two-ton sample of Salem ore and five tons of Sanctoria coal. The latter may be obtained from either the Bengal Coal Company, the Bengal-Nagpur Company or the Equitable Coal Company, and I am to suggest that the Madras Government should communicate direct with the Calcutta office of one of these Companies. I am also to request that, in advising despatch of the samples, Messrs. Bolchow, Vaughan & Co. may be informed that the detailed statement* of information required will be separately forwarded, if it cannot be forwarded before advice of the despatch.

* *Vide* telegram, dated 6th October 1897, from the Secretary of State.

An intimation of the despatch of the samples should also be sent to the Government of India.

3. I am to say that arrangements are being made for the preparation of the detailed statement of information referred to above, which will be forwarded to Messrs. Bolchow, Vaughan & Co., through the India Office, by the Government of India, copy being sent to the Government of Madras.

Enclosures.

Copy of a telegram from the Government of India in the Department of Revenue and Agriculture, to the Secretary of State for India, dated 16th September 1897.

Your Revenue despatch No. 75, 2nd July 1896. Salem iron ores. Government of Madras propose sending home consignment of Indian ore and coal for trial. We strongly recommend that Major Mahon, Superintendent of Cossipore Gun Foundry and Shell Factory, should be sent from India for a period of four months and a half from 1st October next to watch trial and report fully on whole subject. Probable expenditure about 6,500 rupees. Do you consent ?

Copy of a telegram from the Secretary of State for India, to the Viceroy, Simla, dated London, 6th October 1897.

Your telegram of 16th September last. Salem ore and Indian coal. Bolchow, Vaughan suggest two tons each should be sent from India for purpose of preliminary experiment with detailed statement of information required. In absence impossible to state whether their works suitable for experiments. If you agree to act accordingly, deputation of Major Mahon might be postponed.

Order—No. 1007, Revenue, dated 3rd December 1897.

Miscellaneous.

The papers last read above will be communicated to the Board of Revenue. It is observed that only five tons of Sanctoria coal and two tons of Salem ore are at present required for the purpose of a preliminary experiment. His Excellency the Governor in Council gladly accepts the

offer of the Bengal Coal Company to supply the coal at cost price. The Board of Revenue is requested to communicate with the Company and to procure the despatch of five tons of Sanctoria coal to Messrs. Bolchow, Vaughan & Co. direct at the earliest possible date. Intimation of the despatch should be given to the Government.

2. The Director of the Geological Survey will be requested to depute Mr. Middlemiss without delay for the purpose of assisting the Collector of Salem in selecting the two tons of iron ore required.

3. Orders will issue in the Public Works Department for the deputation of a Public Works Department subordinate for conducting the blasting operations that will be necessary.

(True Extract.)

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

To the Board of Revenue (Land Revenue).
„ the Public Works Department.

Exd. T. K. Narayana Aiyangar.

60 Copies.

1897.

DIRECTOR OF THE GEOLOGICAL SURVEY OF INDIA.

From

The Government of Fort St. George.

Recd. } 1897. *Enclosures*

Regd. } *Spare copies*

Letter, No. 1008, 3rd December 1897.

DECEMBER.

Requesting that Mr. Middlemiss may be deputed to assist the Collector of Salem in selecting two tons of iron ore to be sent to England for experimental purposes.

REVENUE DEPARTMENT.

From

G. S. FORBES, Esq., I.C.S.,
Ag. Secretary to the Government of Madras,

To

The DIRECTOR of the GEOLOGICAL SURVEY of INDIA,

Dated Fort St. George, 3rd December 1897.

Sir,

Miscellaneous.

With reference to your letter, No. 1205, dated 16th November 1897, I am directed to address you upon the subject of the deputation of Mr. Middlemiss to assist the Collector of Salem in selecting two tons of iron ore to be sent to England for experimental purposes.

2. The Government of India has requested the immediate despatch to England of a sample consignment of two tons of Salem ore and five tons of Sanctoria coal. In view of the importance of the experiment about to be tried, His Excellency the Governor in Council is of opinion that the ore should be carefully selected by an expert so as to be truly representative of the Kanjamalai fields. A Public Works subordinate will be deputed to conduct whatever blasting operations may be necessary. The work will probably not occupy more than a week at the most of Mr. Middlemiss' time, and, in view of the urgency of the matter, I am to request that very early orders may be communicated to him.

3. A further communication will, in due course, be addressed to you upon the other matters dealt with in your letter referred to above and on the general subject of future geological investigations in this Presidency.

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

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

Evd. T. K. Narayana Aiyangar.

20 Copies.

First copy sent to Press

Returned for signature

Despatched to printer