Archives I -10,006—16-8-77.

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(2) Date of repair 21-1-87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. / B.P. No.	1191-1192 W	Press. / Mis.	

Dated 11-5-1881 19

Not to be folded or roughly handled

1191-92
1.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

11th May 1881, No. 1,191 W.

Buildings and Roads.
Civil Works.

Read again the following paper :—

No. 9. From Colonel R. H. SANKEY, R.E., Secretary to the Government of Madras, Public Works Department, to the Secretary to the Government of India, Public Works Department, dated 7th March 1881, No. 594 W.

HER MAJESTY'S Secretary of State has lately addressed this Government as to the desirability of using every endeavor to develope such coal resources as may be found to exist in Southern India, and as the Government of India from previous correspondence are probably aware, efforts for some time have been made with this object.

2. Setting aside the Singareni and Beddadanol fields which are both in the Nizam's territory and over the working of which this Government can only exercise an indirect influence, the coal field near the small village Tiperpenti on the left bank of the Godávari river, and now called the *Bhadráchalam* field (the spot being about 12 miles below that better known place) is the only one holding out a prospect of favorable results, and this Government have had a small party of Sappers and Miners engaged on the spot since last July endeavoring to sink a 6 feet diameter shaft.

3. Owing to the rains the works were delayed, and it is only lately that the shaft has got down to 70 feet below the surface. The borings previously made have shown that probably as great a depth again will have to be sunk in order to get fully through the several seams of coal, which, as far as shown by the auger, are believed to aggregate some 16 feet in thickness.

4. At the depth however which has already been reached a very permeable stratum has been cut into, and the access of water proving far in excess of the power of the machinery on the spot to subdue, and as moreover it is clear that no new machinery of sufficient power can be supplied for some months, it has appeared desirable to this Government to close the works temporarily.

5. As they are also of opinion that this opportunity should, as far as possible, be availed of for obtaining the best professional opinion as to further proceedings, I am desired to inquire whether the services of Mr. J. G. A. Macdonald (now engaged at Warora in the Central Provinces), and who is understood to be a thoroughly practical Engineer, could be placed at disposal at an early date to view and report on the matter.

6. Probably his easiest way to the spot at this season would, I am to say, be *viâ* Calcutta and Cocanada to Dowlaishweram, where the Superintendent of Works, Mr. Walch, would meet and accompany him to the spot. An early answer is solicited.

No. 9-A. Read also the following :—

From Captain F. FIREBRACE, R.E., Under Secretary to the Government of India, Public Works Department, (Railway Establishments,) to the Secretary to the Government of Madras, Public Works Department, dated Simla, 14th April 1881, No. 273 R.E.

IN reply to your letter No. 594 W., dated 7th March 1881, applying for the loan of the services of Mr. J. G. A. Macdonald, Mining Engineer, employed at Warora in the Central Provinces in view to obtaining professional opinion in connection with a certain coal mine situated on the left bank of the Godávari river, I am directed to say that the Chief Commissioner, Central Provinces, who was addressed on the subject has expressed his inability to spare the services of Mr. Macdonald.

No. 10. ORDER THEREON, 11th May 1881, No. 1,191 W.

ORDERED that the Chief Commissioner, Central Provinces, be addressed.

(Here enter No. 1,192 W., dated 11th May 1881.)

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

Coorg Engr for Ry

Exd. E. C. Shunker.
Spare Copies

2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1881) Madras.

PUBLIC WORKS

To

Dated May, 11th.

Issued

Read. *Encl.*

G. O., 11th May 1881, No. 1,191 W.

MAY.

Nos. 9-10.

Bhadrâchalam Coal Fields.—Ordered that the Chief Commissioner, Central Provinces, be requested to obtain and favor this Government with the opinion of Mr. Macdonald as to the best course to be followed in respect to the —.

1191-92
3

PUBLIC WORKS DEPARTMENT.

No. 1,192 W.

Buildings and Roads.
Civil Works.

No. 11.

FROM

THE SECRETARY TO THE GOVERNMENT OF MADRAS,

Public Works Department,

To

THE CHIEF COMMISSIONER, CENTRAL PROVINCES.

SIR,—Adverting to the Government Orders as per margin having reference to the sinking of a shaft for the purpose of testing the value of the small coal field situated about 12 miles below Bhadrâchalam on the left bank of the Godâvari, I am desired to request the favor of Mr. Macdonald's opinion being obtained as to the measures he would recommend being taken with a view to the shaft being sunk from its present depth 69 feet to 120 feet, where from previous borings the coal will be met with.

Government Order of 2nd February 1881, No. 286 W.
Government Order of 28th February 1881, No. 542.

2. As it is essential that advantage should be taken of the monsoon to send up such machinery as may be required by water (that is, while the river is sufficiently full from June to October), I am to request that an early reply may be given to the reference to allow of the needful arrangements being made, should it be thought advisable, to continue the work.

3. Under ordinary circumstances the difficulties which have presented themselves in sinking the trial shaft might be deemed sufficient to warrant the abandonment of further efforts in this locality; but looking to the extreme importance of a coal supply for Southern India as fully recognised by Her Majesty's Secretary of State, this Government is indisposed to adopt such a course, and would therefore be glad to have the advice of an expert like Mr. Macdonald as to the measures which it may be possible to adopt.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
11th May 1881.

Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1881] Madras.

PUBLIC WORKS.

To

THE CHIEF COMMISSIONER OF
CENTRAL PROVINCES.

Dated May, 11*th*.

Issued

Recd. *Encl.*

G. O., 11*th May* 1881, *No.* 1,192 W.

MAY.

No. 11.

REQUESTS to obtain and favor this Government with Mr. Macdonald's opinion as to the best course to be followed in respect to the Bhádrachalam coal fields.

No 3-94 dy 7th March 81

1191-92
4

To the Secy. Govt
India

Sir

I am directed to address you on the subject of the desirability of using every endeavour to develop such coal resources as may be found to exist in Southern India, and as the Govt of India [illegible] Previous Correspondence are probably aware, efforts in former time have been made with this object.

2. Setting aside the Singareni & Bedadanol fields which are both in the Nizam's territory & over the working of which this Govt can only exercise

under secretary

an indigent influence
the coal field & near the small village
Lisperguti on the
left bank of the
Godavari river &
was called the
Badrachallum field
is the only one holding
out a prospect of
favourable results
and this Govmt have
had a small party
of Labourers & miners
employed on the Spot
since last July endea-
-vouring to sink a
6 ft. diameter shaft-
3 Owing to the rains
the works were delayed
and it is only lately
that the shaft has
sd. down to 70 fat.
below the surface
The borings have
shown that probably

(the Spot being about
12 miles below the
before known place)

previously made

1.

as great a depth
again will have to
be sunk in order to
hit fully through the
Several seams of coal
which as far as shown
by the augurs are believed
to aggregate some
16 ft in thickness

4. At the depth known
which has already
been reached a any
permeable stratum
has been cut into, and
the access of water
proving far in excess
of the power of the
machinery on the Spot
to subdue, and as
moreover it is clear
that no new machin
of sufficient power
can be supplied by
some months, it has
appeared desirable
to this Govmt to
close the works

1191-9
5

Under Secretary

B. No. 594 W 7. March 1881

transmit.

5- As they are also of opinion that this Department should as far as possible be availed of in obtaining the best professional opinion as to further proceedings I am desired to enquire whether the services of Mr J G A Macdonald (now employed at Warora in the Central Provinces) could also in understood be a thoroughly practical Engineer could be placed at disposal at an early date to visit and report on the matter

6- Probably the earliest way for the Govt at this season would I am to say be viâ Calcutta & Cocanada to Dowlaishweram where the Supt of works Mr Walch would meet and accompany him to the Spot — An early answer is solicited

5/3/81

Answd 7-3-81

No. 273 R.C.

1191-92/6

123

All communications should be addressed to the Secretary.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

Railway Establishments

To The Secretary to the Government of Madras,

Public Works Department.

Simla, 14th April 1881.

Sir,

In reply to your letter No. 594 W dated 7th March 1881, applying for the loan of the services of Mr. J. G. A. Macdonald, Mining Engineer employed at Warora in the Central Provinces in view to obtaining professional opinion in connection with a certain Coal Mine situated on the left bank of the Godavary river, I am directed to say that the Chief Commissioner, Central Provinces, who was addressed on the subject has expressed his inability to spare the services of Mr. Macdonald.

I have the honor to be,

Sir,

Your most Obt. Servant,

Documents accompanying

Nil

Fred. Tanner Captain R.E.

Under Secretary

7-3-81 No 594 E

P & C No 2081

C No 3061

No 187 ch

GOVT. OF MADRAS. } 1881. { P. W. DEPT.

SECRETARY. 1191-92/7

Coimbatore
~~Fort St. George~~, 26th May 1881.

OFFICE NOTE

To G. T. Walch Esq:
Executive Engineer
Coonoor

Please state below what practical steps can in your opinion now be taken in view to resuming operations at the earliest feasible date.

OF 187

A. H. Lawley
Lt R E
26/5/81

R. 26/5/81

Executive Engineer's
Coonoor
28/5/81

with the papers in original
to be returned

E.T.O

Cir 26/4-0 Ld 18-
Sent to Ord 21-6-81

(1) I recommend that the Secy of State for India be requested to lay out two pumps suited to the conditions stated in my Gs 3225 3/4/85 and Gs 3370 - 11/2/85.

The machinery to be sent by P. I. S. N. Co. direct to Cocanada & should be accompanied by full drawings & instructions for rigging up & working. In designing or selecting the pumps the size of the shaft must be carefully kept in mind, as there can not be space left between the pumps bore, & the work bucket to pass free by up & down -

A new 12 H.P. portable Engine could probably be spared from the Godavari "Irrig" Plant" for driving one of the pumps.

It will be very advisable that all the machinery & appendages that may be sent for the work should reach the spot not later than October.

(2) I do not recommend that these works be resumed. Suppose should be again

Enclosed in this, a Memorandum from the Collector of Godavery on the Labour question connected with the Cocanada Canal Scheme, & a Tide Table for Cocanada for the month of March 1885.

Copy of Memorandum from the Collector of Godavery on the Labour question connected with the Cocanada Canal Scheme.

I have the honour to be
Sir
Your most obedient servant
(Signed) C. Oldham
Secy to Govt of Madras P.W.D.

Cir 26/4 - 0 Enl 18 -
Sent to Govt 21 - 6 - 85

P. W. DEPARTMENT.

INDIAN TELEGRAPH. Local No: 2977

Class: S

To (Station): Madras From (Station): Nagpur

Words: 22/4. Day: 18. Hour: 15. Minute: 30.

To (Person): C. P. Works

Prefix (Office): C. P. Works 119.92 8

Four letter 1192
May eleventh chief
commissioner regrets macdonalds
services cannot be
spared + more
post

RECD. FROM At Hrs. Sig. of

SENT TO At Hrs. Mo. Da.

Date

MADRAS 15-5-85

1191-92
9

Read the following:—

Telegram from the Secy: to the Chief Commissioner Central Provinces.
dy 18th May 1881.

FOR ORDERS.

The meanings of the reply probably is that without a personal inspection of the works Mr. Macdonald does not wish to express an opinion, and that the Central Provinces Administration cannot spare him for this. The Chief Engineer will however

(illegible) I recommend that the Secy of State for India be requested to lend ... to proceed ... (illegible)

Cir 26/4-82 of 18-
Sent to Govt 21-4-81.

immediately cancel Wm Drake, who is here as to any further practical steps which can be taken.

D W Lankey Colonel R.E.
Secy to Govt P.W. Deptt.

FOR ORDERS.

~~Hon'ble Sir Steuart Bayley~~
~~H. R. H. Hon'ble Governor~~

Cir 28/5 O.L.S. 26.
Sent to Govt 21-6-81.

Central Provinces, Public Works Department.

Dated Nagpur, the 18th May 1881. 1191-92/10

Service Message despatched by Electric Telegraph.

From Nagpur | To Madras
From C.P. Works | To Works

Your letter 1192 May eleventh × Chief Commissioner regrets Macdonald's services cannot be spared × Move by post.—

"True Copy"
Head Clerk

No. ~~of 1881.~~

~~Copy forwarded by post for information.~~

~~NAGPUR.~~
~~The May 1881.~~

~~Asstt. Secy. to Chief Commr., P. W. D., C. P.~~

immediately cancel[led]
Wm Drake, who is
here [illegible]

F

[illegible]

Cir 25/5 Oct 26.

Sent to Govt 21-4-21.

4th W Inst Madras
H.E. the Governor

119-92
11

For Orders

1st/
1923

From the annexed
copy of the G of I
No 273 R.E. of 14th
inst: it appears that
the Central Provinces
Govt are unable to
spare the Depy
Mr. Macdonald
to inspect and
report on the works
at the Bundrachella
Coal field which
since the inrush
of water (that took
place early in last
January) have been
at a complete
stand still, and
the Director wishes

Oct 18 - Cir 26-4-

Country withdrawn

Although the Decision of Mr. Macdonald cannot be upheld, he might at least give a professional opinion on the facts as now known or as they have been fully recorded in C.O. of 28th Feb. 1881 No 542 W I would send with the Commission for Scotland all the papers enclosed to the Chief Commr. actual Provinces and request the favour of Mr. Macdonald

Sent to Col 21-4-81

Opinion being obtained as to the course which in his opinion it would be best to pursue

1191-92/12

Please see amended draft order

25/4/81

Sent to Govt 21-6-81

Boat
Novigin
Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 11th May 1881 (again) 1191-92/13

Read the following :—

Letter to the Government of India (P.E. No 5944 W dy 7th March 81)
Read also,
- do - from ——— do ——— (" " 773 P.E. dy 14th April 81)

Ordered that the Chief Commissioner, Central Provinces, be addressed.

(P.E. No 1192 W dy 11-5-81)

Sir,

In adverting to the *G.O. as per margin having reference to the sinking of a shaft for the purpose of testing the value of the small coal field situated about 12 miles below Bhadrachellam on the left bank of the

* { G.O. dy 3d February 1881 No 256 W
" dy 28th " " 592 W

Boring Engs for Kyd passed 10/9/81

Godavari, I am desired to request the favor of Mr. Macdonald's opinion being obtained as to the measures he would recommend being taken with a view to the shaft being sunk from its present depth 69 feet to 120 feet - where from previous borings the coal will be met with.

2. As it is essential that advantage should be taken of the monsoon to send up such machinery as may be required by water (that is, while the river is sufficiently full from June to October) I am to request that an early reply may be given to the reference to allow of the needful arrangements being made, should it be thought advisable,

to continue the work 1191-92/14

3. Under ordinary circumstances the difficulties which have presented themselves in sinking the trial shaft might be deemed sufficient to warrant the abandonment of further efforts in this locality, but looking to the extreme importance of a coal supply for Southern India as fully recognised by Her Majesty's Secretary of State, this Government is indisposed to adopt such a course, and would therefore be glad to have the advice of an Expert like Mr. Macdonald as to the measures which it may be possible to adopt.

Dealt with 2 G.Os quoted in the margin of the letter
26.12.81
W/5/81



R. Cuvier, Oss. foss. II. 2.
Gir. 2644 Bd. 77 18.
Saint-Hil. Ois. 21-4-81.

2437

Govt. of [1881] Madras.

PUBLIC WORKS.

76

Dated

Issued

Read. 4104 Encl.

G. O., 11 January 1881, No: 1191 1192

Nos. 9 - 10

Bhadrachellum Coal

field. Ordered that

the Chief Commissioner Central

Provinces be requested to

obtain and favor this

Govt with the opinion of

Mr Macdonald as to the

best course to be followed

in respect to the —

Request to obtain and

favor this Govt with Mr

Macdonald's opinion as

to the best course to be

followed in respect to the

Bhadrachellum Coal

field