

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	4106 (A)	Press
B.P. No.		Mis.
Dated	19-2-	1954

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
19th February 1874.*

No. 360. Read the following Circular from Major C. H. LUARD, R.E., Officiating Under Secretary to the Government of India, Public Works Department, (Guaranteed Railways,) to the Governments of Madras and Bombay, in the Public Works Department, (Railway); the Chief Commissioner of the Central Provinces; the Resident at Hyderabad; the Consulting Engineers to the Government of India for Guaranteed Railways, Lahore and Lucknow; the Chief Engineer, Punjab Northern State Railway; the Officiating Engineer in Chief, Indus Valley State Railway, the Superintending Engineers, Agra and Delhi Districts of the Rajpootana State Railway, Holkar, Neemuch, Northern Bengal, West Rajpootana and Sindia State Railways, dated Fort William, 17th January 1874, No. 1:—

* Letter from Locomotive Superintendent, East Indian Railway, to Chief Engineer and Member of Agency, No. A.—1,836, dated 3rd December 1873, and enclosed statement.

I AM directed to forward for information copy of papers* relating to certain experiments made with Raneegunge and Kurhurballee coals in view of determining their comparative value.

From D. W. CAMPBELL, Esq., Locomotive Superintendent, to the Chief Engineer and Member of Agency, East Indian Railway Company, dated 3rd December 1873, No. 1,836 A.

YOUR No. 620 of the 1st September last.

I beg to forward herewith a statement on the trial of Kurhurballee and Raneegunge coal.

You will observe that the load of trains worked by Raneegunge coal is slightly in excess of the others, which will increase its relative value to a very slight degree, but if the experiment had been continued I am of opinion that the result would have been still more favourable to the Kurhurballee fuel, as the driver who ran the trips had not been used to that coal, and has lessened his consumption each successive trip.

The comparative value of the two classes of coal arrived at from the average of the several trips, as per statement, shows that Kurhurballee coal is superior to Raneegunge by 21.75 per cent.

EAST INDIAN RAILWAY.

LOCOMOTIVE DEPARTMENT.

Trial of Kurhurballee coal.

Trial of Kurhurballee coal.

A.	B.	C.	D.	E.	F.	COAL CONSUMED.				K.	L.	M.	N.	O.	P.	State of Weather.			
						Gross weight of train.			Weight of load.										
						Tons.	cwt.	qtrs.											
Month and date.	No. of Engine.	No. of Vehicles.	No. of Miles.	Gross weight of train.	Weight of load.	Tons.	cwt.	qtrs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.			
	400	30	90.5	411	4	0	0	0	3,596	560	4,150	43.06	632	13.20	100	2,915	29,158	8.18	Fine.
7th	490	31	90.5	402	10	0	0	1	3,832	560	3,892	40.83	487	12.51	109	2,704	27,041	8.11	Do. S. S. E. wind.
14th	490	31	90.5	402	10	0	0	1	3,832	560	3,892	40.83	487	12.51	109	2,704	27,041	8.11	Do. S. S. E. wind.
21st	490	30	96.5	408	9	3	0	7	3,096	560	3,656	37.88	550	15.01	100	2,816	28,467	9.10	Do. with light wind.

Trial of Raneeunge coal.

10th	490	33	96.5	413	7	2	0	560	52.37	1,085	21.46	100	3,129	31,291	6.96	Very fine, with light wind.
17th	490	31	96.5	408	13	2	0	560	51.24	1,039	21.01	100	2,862	28,626	6.32	Do.
24th	490	31	96.5	408	10	0	0	560	51.35	1,054	21.27	100	2,808	28,082	6.61	Do.

Average of trips.

Kurhurballee coal ...	30-33	96.5	407	7	3	18-66	224	14	0	9-33	3,341.33	560	3,001.33	40-42	55.633	14.27	100	2,821.66	28,222	8.49
Raneeunge	31-66	96.5	409	10	1	9-33	221	1	1	9-33	4,425.	560	4,985.	51-65	1,659.33	21.24	100	2,964.33	29,666.33	6.63

LOCOMOTIVE SUPERINTENDENT'S OFFICE,

Jumalpoor,

22nd November 1873.

(Signed) D. W. CAMPDELL,
Locomotive Superintendent.Proceedings of the Madras Government, Public Works Department,
19th February 1874.

No. 361.

ORDER THEREON, 19th February 1874, No. 406.

RAILWAY, No. 63.

COMMUNICATED to the Consulting
Engineer for Railways for information
and communication to the Railway
Agents.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

To the Consulting Engineer for Railways,
District Engineer, Godavery,
Public Department.Exd. S. T. Austin.
Spare Copies

9. 11. 1874 Department.

No. 487.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
GUARANTEED RAILWAYS.

- To
- THE GOVERNMENTS OF MADRAS AND BOMBAY,
IN THE PUBLIC WORKS DEPARTMENT (RAIL-
WAY.)
 - THE CHIEF COMMISSIONER OF THE CENTRAL
PROVINCES.
 - THE RESIDENT AT HYDERABAD.
 - THE CONSULTING ENGINEER TO THE GOVERN-
MENT OF INDIA FOR GUARANTEED RAILWAYS,
LAHORE AND LUCKNOW.
 - THE CHIEF ENGINEER, PUNJAB NORTHERN
STATE RAILWAY.
 - THE OFFICIATING ENGINEER-IN-CHIEF, INDUS
VALLEY STATE RAILWAY.
 - THE SUPERINTENDING ENGINEERS, AGRA AND
DELHI DISTRICTS OF THE RAJPOOTANA
STATE RAILWAY, HOLKAR, NEEMUCH,
NORTHERN BENGAL, WEST RAJPOOTANA,
AND SINDIA STATE RAILWAYS.

CIRCULAR No. 1 RAILWAY.

Dated January 17, 1874.

Received — 26 —

En: 1.

Forwards copy of papers relating to cer-
tain experiments made with Raneegeunge and
Kurmurballee coals in view of determining
their comparative value.

*Communicated to the Engineer Railways
for information and communication to the
Railway Agents.*

*For
Public Works
Department
No. 487
1874*

Recd 12/1/74

Ch 487
Govt. of 1874 Madras.
PUBLIC WORKS.

Re The Cementing Cuts
for Railways

Dated

Recd.

encl 1

G. O. 19th Feb 74, No. 406.

No. 3609 361

Coal. Circular from the
Govt. of India forwarding
copy of papers relating to
certain experiments made
with Manassegunge and
Burhurballee coals in
view of determining their
comparative value, under
the following for Encl.