M.R.O. 1—20,002—12-8-65.

(1) Number of Pages 6.

(2) Date of repair 8-5-67.

(3) Initials of the Referencer

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. / B.P. No.	13.	Press / Mis.
Dated 3-3-1874		196 . .

Not to be folded or roughly handled

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:—

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.

* Letter from Locomotive Superintendent, East Indian Railw y, to Chief Engineer and Member of gency, No. A.—1,836, dated 3rd Decemb r 1873, and enclosed statement.

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.

A. Month and date.	B. No. of Engine.	C. No. of Vehicles.	D. No. of Miles.	E. Gross weight of train.				F. Weight of load.				COAL CONSUMED. G. For journey.	H. Lighting up.	I. Total.	J. Per mile, Column I	K. Weight of ashes.	L. Ash per 100lbs of coal consumed, Column I.	M. Average pressure of steam per sqr. inch.	N. Water consumed in gallons.	O. Water consumed in pounds.	P. Pounds of water evaporated per pound of coal, Column G.	State of Weather.
				Tons.	cwt.	qrts.	lbs.	Tons.	cwt.	qrts.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	Gal.	lbs.	lbs.	
7th	490	30	96·5	411	4	0	0	229	14	0	0	3,596	560	4,156	43·06	632	15·26	100	2,915	29,158	8·18	Fine.
14th	490	31	96·5	402	10	0	0	215	1	1	0	3,332	560	3,892	40·33	487	12·51	100	2,704	27,041	8·11	Do. S. S.-E. wind.
21st	490	30	96·5	408	9	3	0	229	7	0	0	3,096	560	3,656	37 88	550	15·04	100	2,846	28,467	9 19	Do. with light wind.

Trial of Raneegunge coal.

10th	490	33	96·5	411	7	3	0	216	1	2	0	4,494	560	5,054	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	221	15	1	0	4,385	560	4,945	51·24	1,039	21·01	100	2,862	28,626	6·52	Do.
24th	490	31	96·5	408	10	0	0	225	8	1	0	4,396	560	4,956	51·35	1,051	21·27	100	2,908	29,082	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	3,901 33	40·42	556·33	14·27	100	2,821·66	28,222	8·49	
Raneegunge ...	31·66	96·5	409	10	1	9·33	221	1	1	9·33	4,425·	560	4,985·	51·65	1,059·33	21 24	100	2,966·33	29,666·33	6·69	

LOCOMOTIVE SUPERINTENDENT'S OFFICE,
Jumalpoor,
22nd November 1873.

(Signed) D. W. CAMPBELL,
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.

Order in the Public Department, No. 225

Communicated to the Board of Revenue.

Through the Revenue Department.

Fort St. George,
4th February 1874.

By Command,
H. Grigg, Secretary.

To the Consulting Engineer for Railways.
" District Engineer, Godavery.
" Public Department.

To the Revenue Department.

Ext. S. T. Austin.
Spare Copies

Recd. 7/2/74

Entered G. O.

Govt. of Madras.

PUBLIC WORKS.

To

THE CONSULTING ENGINEER

FOR RAILWAYS.

&c., &c., &c.

Dated February 14th.

Rect. Encl.

G. O. No. 406, dated 13th February 1871.

FEBRUARY.

Nos. 360-361

No. 360.—Circular from the Government of India forwarding copy of papers relating to certain experiments made with Ranegunge and Kutharballee coals in view of determining their comparative value, communicated to the Consulting Engineer for Railways.

Revenue 1874 Dept.
No. 697.
Prov: Publ: Deptt:

Dated 2d Dec. 1874
Rec. 2d Dec. 1874
No. 225

Communicating G.O.
P. W. D. 19th July 74 No. 406
relative to certain experiments
made with Ranegunge and
Kurkurbalee coals in order
of determining their comparative
value.

No. 13
Communicated
to the Board of Revenue
3d March 74

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