

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 1406	Press
230-32	~~Mis.~~
Dated 9 5 1867.	

Not to be folded or roughly handled

Read the following papers :—

No. 230. From Captain F. M. RAYNSFORD, Commanding B. Company, Sappers and Miners, to the Secretary to Government, Public Works Department, Fort Saint George, dated Mercara, 13th April 1867.

At Page 6.

No.	DAILY WAGES AT			
	5 Ans	10 Pies		
	RS	A	P.	
1	0	5	10	
2	0	11	8	
3	1	1	6	
4	1	7	4	
5	1	13	2	
6	2	3	0	
7	2	8	10	
8	2	14	8	
9	3	4	6	
10	3	10	4	
20	7	4	8	
30	10	15	0	
40	14	9	4	
50	18	3	8	
60	21	14	0	
70	25	8	4	
80	29	2	8	
90	32	13	0	
100	36	7	4	
200	72	14	8	
300	109	6	0	
400	145	13	4	
500	182	4	8	
600	218	12	0	
700	255	3	4	
800	291	10	8	
900	328	2	0	
1,000	364	9	4	
2,000	729	2	8	
3,000	1,093	12	0	
4,000	1,458	5	4	
5,000	1,822	14	8	
6,000	2,187	8	0	
7,000	2,552	1	4	
8,000	2,916	10	8	
9,000	3,281	4	0	
10,000	3,645	13	4	
200	...	...	...	72 14 8
20	...	...	...	7 4 8
5	...	...	...	1 13 2
Rupees...				82 0 6
225 5½ 1,125 187-6 16) 1312 Rupees... 82-0-6				

1. On my taking charge of the works at Gonicopaul bridge near Ahtoor, South Coorg, I was induced to make out a few tables, showing the daily rate of labour for monthly rates, of 40 Rupees, 25 Rupees, 12 Rupees, 7 Rupees, 5 Rupees, and 4 Rupees, for a month of 24, 25, 26, and 27 days, to help me in making out the Day-books; and finding that they assisted me greatly, I then undertook to make out tables from 1 Rupee to 50 Rupees, and added other tables of daily rate, so as to make them a complete daily rate table from 1 Pie to 10 Rupees; when these were completed, I forwarded them on to Major Sankey, Royal Engineers, Chief Engineer, Mysore, to ascertain what that Officer thought of them.

2. His reply was to this purport :
“ The tables are extremely useful in a departmental sense, being calculated for months of 24, 25, 26, and 27 days; but that they would not perhaps take with the general public. If, however, I should go to the trouble of printing them, he would take 100 copies for the Mysore Public Works Department.”

3. I do myself the pleasure of enclosing a copy of the Preface which I purpose to enter as an introduction to the work, from which I am in hopes you may be able to judge whether it will be of use to the servants of Government in the Public Works Department, and to inform me if Government would take any copies.

4. I am not aware of any tables of daily rate having been drawn up, so as to enable me to calculate labour by adding together two or more sums, instead of multiplying the numbers by the daily rate; to explain myself, which will take the most time of an Overseer to work out—225 coolies at 5 Annas 10 Pies by multiplication or by adding the sum opposite 200, 20, and 5 from the tables, as shown in margin.

*Proceedings of the Madras Government, Public Works Department,
9th May 1867.*

PREFACE.

1 Having compiled a few tables, showing the daily rate of labour, which in Coorg is engaged at a certain monthly rate, and paid by the actual number of working days, excluding Sunday, and finding them very useful in making out the Day Report, I thought it might prove invaluable to others if I extended them, showing the daily rate of monthly hard labour from 1 Rupee to 50 Rupees; and in order to make the tables more complete, additional ones have been made out for the daily rate of wages, which do not appear in the first part. thus making a complete table of daily rate from 1 Pie to 10 Rupees. To find any daily rate for the fractions of a Rupee beyond 1 Rupee, put down the rate for the Rupees and look for the fraction in the tables, then added together will give the correct total

2. At the commencement a table is given showing the excess (arising from the Divisor not being actually contained in the Dividend in the last operation) for each Rupee, so that an employer or Superintendent of coolies can easily ascertain what deductions to make in the last payment, should he wish the coolies to receive the exact monthly rate.

3 The idea of putting the columns of 27, 26, 25, and 24 days next to each other has been taken from Colonel Boileau's work of tables and wages, printed at the Thomason College Press, Roorkee.

Wages from 1 Rupee up to 1,000 Rupees, to which will be added 5 more, viz., Rupees 1,250, 1,500, 1,750, 2,000, and 2,500, for 28, 29, 30, and 31 days

Office and in the Public Works Department, but also to all persons who have to pay coolies and keep accounts.

4 The tables have been made out with the greatest possible care, so as to prevent errors, and with a view to supply what Colonel Boileau's tables do not give, viz., to calculate readily any number of coolies at a certain daily rate of pay.

In order to explain this, the following examples are given, only one of which could be calculated by Colonel Boileau's tables

FIRST EXAMPLE.—Suppose an Overseer has 26 coolies at 7 Rupees, 25 coolies at 5 Rupees, and 20 coolies at 4 Rupees per mensem, employed on works, and that the first 10 days showed there were 126 coolies at 7 Rupees, 120 at 5 Rupees, and 80 at 4 Rupees. The next 10 days, 134, 125, and 110, and the third 10 days, 150, 130, and 125, and that the month has thirty days, of which four are Sundays.

In the Tables at pages 3, 4, and 5, we find the daily rates for 4, 5, and 7 Rupees, in the column for 26 days are 2 Annas 6 Pies, 3 Annas 1 Pie, and 4 Annas 4 Pies respectively.

Then, First ten days coolies at 7 Rupees ..	126	RS.	A	P.	
Second	134	34	2	0	$\frac{100}{(27-1-4)} \frac{20}{(5-6-6)} \frac{6}{(1-10-0)}$
Third	150	36	4	8	$\frac{100}{(27-1-4)} \frac{30}{(8-2-0)} \frac{4}{(1-1-4)}$
Total .	410	40	10	0	$\frac{100}{(27-1-4)} \frac{50}{(13-8-8)}$
First ten days coolies at 5 Rupees...	120	111	0	8	$\frac{400}{(108-5-4)} \frac{10}{(2-11-4)}$
Second	125	23	2	0	$\frac{100}{(19-4-4)} \frac{20}{(3-13-8)}$
Third	130	24	1	5	$\frac{100}{(19-4-4)} \frac{20}{(3-13-8)} \frac{5}{(0-15-5)}$
Total	375	25	0	10	$\frac{100}{(19-4-4)} \frac{30}{(7-12-6)}$
First ten days coolies at 4 Rupees...	80	72	4	3	$\frac{300}{(57-1-3)} \frac{70}{(13-7-10)} \frac{5}{(0-15-5)}$
Second	110	12	8	0	$\frac{100}{(15-10-0)} \frac{10}{(1-9-0)}$
Third	125	17	3	0	$\frac{100}{(15-10-0)} \frac{20}{(3-2-0)} \frac{5}{(0-12-6)}$
Total...	315	49	3	6	$\frac{300}{(16-14-0)} \frac{10}{(1-9-0)} \frac{5}{(0-12-6)}$

*Proceedings of the Madras Government, Public Works Department,
9th May 1867.*

SECOND EXAMPLE.—Supposing a Superintendent gave his coolies 3 Annas 8 Pies per diem, and he had them employed for the month as follows —6 for 10 days, 15 for 20 days, 20 for 25 days, 25 for 26 days

Then	Daily rate	No of days	Amount for 1 cooly	Total No. of days.	Total amount.	See page 30 for rate.
6	RS A P 0 3 8	10	RS A P 2 4 8	60	RS A P 13 12 0	
15	0 3 8	20	4 9 4	300	68 12 0	$81 = \frac{80}{(18-5-4)} \frac{1}{(0-3-8)}$
20	0 3 8	25	5 11 8	500	114 9 4	
25	0 3 8	26	5 15 4	650	148 15 4	$1,510 = \frac{1000}{(229-2-8)} \frac{500}{(114-9-4)} \frac{10}{(2-4-8)}$
	0 3 8	81	18 9 0	1,510	346 0 8	

THIRD EXAMPLE.—If a servant is engaged at 4 Annas 2 Pies per diem, and has served 25 days what will he have to receive?

By referring to page 5, we find—
For 20 days Rupees 5 3 4
,, 5 days „ 1 4 10
Total 6 8 2

FOURTH EXAMPLE.—A Peon's pay is 5 Rupees and he has served 10 days, what wages are due to him. Month, 30 days?

By referring to Colonel Boileau's tables under 5 Rupees and in the column for 30 days, we find Rupees 1-10-8

If the daily rate is known, this answer could also be found by the other tables. By Colonel Boileau's tables the daily rate on the first is 2 Annas 8 Pies. At page 4 under the daily rate and opposite the No 10, we have Rupees 1-10-8.

This example is the only one applicable to the tables drawn up by Colonel Boileau.

(Signed) F. M. RAYNSFORD, Captain,
MERCARA,
18th March 1867.
Madras Staff Corps.

Referred to the Superintending Engineer of the 5th Division for his opinion as to whether the "Tables" are likely to be useful to the members of the Public Works Department.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

17th April 1867.

No. 231. From the Superintending Engineer of the 5th Division.
(Here enter 24th April 1867, No. 16)

No. 232. ORDER THEREON, 9th May 1867, No. 1,406.

ESTABLISHMENT, No. 26.

The Governor in Council is of opinion that the "Tables" referred to in these papers are likely to prove

useful, and he desires to be informed of the price at which they may be obtained.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To Captain Raynsford.
.. the Superintending Engineers.
* Capt. Raynsford
Exd. S. T. Augustin.

No. 16.

Superintending Engineer's Office,
Cuddalore 24th April 1867

From

The Superintending Engineer
5th Division

To The Secretary to Government,
D. P. W.

Sir, With reference to your endorsement
dated 17th April on a letter from Captain
Raynolds, I have the honor to state
that the tables of monthly and daily wages
if procurable at a cheap rate, are likely
to be useful to the members of the
Department.

Enclosures 2

I have the honor to be,
Sir,

Your most obedient servant

EA 2nd Lt Col R.E.
Superintending Engineer 5th Div.

29/04/1867 D. 20/4/1867

1867

of security & daily wages are likely to be useful to the members of the Department if procurable at a cheap rate.

29/04/1867

29/04/1867

29/04/1867

29/04/1867

29/04/1867

Public Works Department

1406

PROCEEDINGS of the MADRAS GOVERNMENT.

Read the following

From Capt F.M. Raynsford (H.R. dated 13 April 1867)

Super Engineer of the (Here enter No. 16 dated 24 April 1867) 5" D.W.

The Governor in Council is of opinion that the "Table" referred to in these papers are likely to prove useful, and he desires to be informed of the price at which they may be obtained

N. J.P.

W.M.

Captain Raynsford.

S. Engineer.

Capt. Kennedy. 10/5/67

74/10

Handwritten signature

Pro: of the Madras Court.
 9th May 1867

Captain Raymond
requested to state the price
of 1 Saddle (Horn) prepared
by him.

B. & C. me
No 1486-9 - May 1857
Enclosing copy of a fair fac
of tables, showing the daily
rate of labor at = certain
monthly rates spread by the
actual number of working
days, for the use of the poor
^{& to instructing} if first would
take every notice.
Bellevue

From
J. W. Rogers and Co.
to the Secy. Board of the
By 13" } April 16 }
Dec 16 }
No

The volume of 1st volume
 Register
 take very notice.
 Rogers

Referred to the Supg. Supp.
= near of the 5th Divⁿ for his opinion
as to whether the Tables are likely
to be useful to the members of the P.

Charles A. Dr. Coll. 128
Secy to Govt. 1740

17th April 67

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