

(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. 32-20	Press
329-330	Mis.
Dated 16-11-1864	

Not to be folded or roughly handled

101

*Proceedings of the Madras Government, Public Works Department,
16th November 1861.*

No. 329. Read the following Proceedings of the Governor General in Council, Public Works Department, dated Simla, 21st September 1861, Circular No. 72:—

Road Metal to be charged direct to Works instead of being passed through the Stock Account.

Read Note by the Accountant General, Public Works Department, No. 574, dated 7th September, 1861.

Read again paragraph 73 of Report of Commission on Public Works Accounts.

1. **RESOLUTION.**—His Excellency the Governor General in Council is pleased to order that from 1st November 1861, the practice of carrying road metal through the Stock Account shall cease, and that all road metal shall be charged direct to the work for which it is collected.

2. The greater part of the expenditure on road metal is incurred for renewals of the surface of metalled roads. Estimates are now usually framed for "renewals of road surface," including the collection of the metal and the spreading and consolidation of it. Henceforward separate estimates will be framed for the collection of metal, and for its consolidation. This will obviate the inconvenience which now often occurs in consequence of the operations of collecting and laying down taking place in different financial years, although provided for in the same estimate.

3. In the case of metalling for new roads, if the metalling is included with the other works, earth-work, bridging, &c., in one estimate, there need not be separate estimates for the collection and consolidation of the surface metal, but the collection of the metal will henceforward form a distinct item in the estimate, and the consolidation another separate item. The charges for collecting the metal will be audited against the first item and debited directly like any other work charges, to the proper head of service at once.

4. The quantity of metal deposited at the road side will be kept carefully recorded on the Executive Engineer's returns, until actually laid down and consolidated on the road surface.

Accounts.

5. The following accounts will be kept of road metal:—

I. A rate book, showing the cost of supplying metal to each part of the road. This will be kept in the Executive Engineer's office. (Form A, attached.)

II. The items of charge for metal collected every month will be supported by the detailed account in Form B, showing how the charges are arrived at. Of course when a contractor does the work at average rates or on a lump contract such details will be superfluous. But in most cases the contractor's bill may be usefully submitted in this form, as the prices to be paid will usually be determined by the distance the metal has to be carried.

III. A monthly statement of receipts and issues (Form C) will be prepared and filed in the Executive Engineer's office showing the operations in each mile. Separate returns may be kept for the metal collected for annual repairs and that collected for petty repairs, if found convenient. (Form D.)

IV. In the day book or figured abstract for consolidation, when the work is done by daily labour, the quantity of metal laid down will be shown in the usual way for materials issued without being priced. (Form E.)

V. A half-yearly balance return of road metal similar to that required for Tools and Stores will be furnished to the Controller.

6. These changes will take effect from 1st November next, the metal on hand on that date being carefully measured and charged off to Original Works or Repairs as the case may be. The annual repairs estimates for the current year, should be prepared separately for collection and consolidation.

Governments of Bengal, N.W. Provinces, and Punjab. Chief
Commissioners, Central Provinces, Oudh, and British
Burmah.
Governor, Straits Settlements.
Resident, Hyderabad.
Commissioner, Mysore.
Agents to the Governor General, Central India and Raj-
putana.
Superintendent of Lighthouses.

ORDER.—Ordered, that copies of the fore-
going be forwarded to the Local Governments
and Administrations named in the margin for
information and guidance, and to the Govern-
ments of Madras and Bombay for information.

Also that copies be sent to the Financial
Department, and to the Accountant General,
Public Works Department.

(Signed) R. STRACHEY, Colonel, R. E.,
Secy. to the Govt. of India.

(Signed) E. C. S. WILLIAMS, Captain, R. E.,
Under Secy. to the Govt. of India.

To the Secretary to the Government of Madras, Public Works Department.

Enclosure to Public Works Circular No. 72 of 1861.

FORM A.
On Division Grants Taken Road.

Note: Table showing lowest rates at which material can be supplied to the roads throughout the Division.

Miles.	Quarry from which dug.	Distance carried.	Rate for carrying per mile.	Rates per 100 cubic feet.		Remarks.
				Digging and stock- ing at roadside.	Carriage.	
1	Enayyur	...	...	...	...	...
2	...	...	...	...	...	...
3	Canouj	...	...	...	...	...
4	...	...	...	...	...	...
5	...	...	...	...	...	...
6	...	...	...	...	...	...
7	...	...	...	...	...	...
8	...	...	...	...	...	...
9	...	...	...	...	...	...
10	...	...	...	...	...	...
11	...	...	...	...	...	...
12	...	...	...	...	...	...
13	...	...	...	...	...	...
14	...	...	...	...	...	...
15	...	...	...	...	...	...
16	...	...	...	...	...	...
17	...	...	...	...	...	...
18	...	...	...	...	...	...
19	...	...	...	...	...	...
20	...	...	...	...	...	...
21	...	...	...	...	...	...
22	...	...	...	...	...	...
23	...	...	...	...	...	...
24	...	...	...	...	...	...
25	...	...	...	...	...	...
26	...	...	...	...	...	...
27	...	...	...	...	...	...
28	...	...	...	...	...	...
29	...	...	...	...	...	...
30	...	...	...	...	...	...
31	...	...	...	...	...	...
32	...	...	...	...	...	...
33	...	...	...	...	...	...
34	...	...	...	...	...	...
35	...	...	...	...	...	...
36	...	...	...	...	...	...
37	...	...	...	...	...	...
38	...	...	...	...	...	...
39	...	...	...	...	...	...
40	...	...	...	...	...	...
41	...	...	...	...	...	...
42	...	...	...	...	...	...
43	...	...	...	...	...	...
44	...	...	...	...	...	...
45	...	...	...	...	...	...
46	...	...	...	...	...	...
47	...	...	...	...	...	...
48	...	...	...	...	...	...
49	...	...	...	...	...	...
50	...	...	...	...	...	...
51	...	...	...	...	...	...
52	...	...	...	...	...	...
53	...	...	...	...	...	...
54	...	...	...	...	...	...
55	...	...	...	...	...	...
56	...	...	...	...	...	...
57	...	...	...	...	...	...
58	...	...	...	...	...	...
59	...	...	...	...	...	...
60	...	...	...	...	...	...
61	...	...	...	...	...	...
62	...	...	...	...	...	...
63	...	...	...	...	...	...
64	...	...	...	...	...	...
65	...	...	...	...	...	...
66	...	...	...	...	...	...
67	...	...	...	...	...	...
68	...	...	...	...	...	...
69	...	...	...	...	...	...
70	...	...	...	...	...	...
71	...	...	...	...	...	...
72	...	...	...	...	...	...
73	...	...	...	...	...	...
74	...	...	...	...	...	...
75	...	...	...	...	...	...
76	...	...	...	...	...	...
77	...	...	...	...	...	...
78	...	...	...	...	...	...
79	...	...	...	...	...	...
80	...	...	...	...	...	...
81	...	...	...	...	...	...
82	...	...	...	...	...	...
83	...	...	...	...	...	...
84	...	...	...	...	...	...
85	...	...	...	...	...	...
86	...	...	...	...	...	...
87	...	...	...	...	...	...
88	...	...	...	...	...	...
89	...	...	...	...	...	...
90	...	...	...	...	...	...
91	...	...	...	...	...	...
92	...	...	...	...	...	...
93	...	...	...	...	...	...
94	...	...	...	...	...	...
95	...	...	...	...	...	...
96	...	...	...	...	...	...
97	...	...	...	...	...	...
98	...	...	...	...	...	...
99	...	...	...	...	...	...
100	...	...	...	...	...	...

FORM B.

Statement of Road Metal supplied during the month of 1863.

Miles.	Contractor.	Quarry from which dug.	Distance carried.	Rate for carrying per mile.	Cost per 100 cubic feet.			Quantity in cubic feet.	Value.	Remarks.
					Digging and stock- ing at roadside.	Carriage.	Total.			
3	Annual Repairs.	...	...	...	...	...	...	...	...	...
4	Delhi & Meerut Road.	...	...	...	...	...	...	...	...	...
5	Bunsec Lall	Canouj	...	...	...	...	...	31,680	...	...
6	Ditto	...	...	...	...	...	...	31,680	...	...
7	Grand Trunk Road.	...	...	...	...	...	...	63,360	(a) 1,742 6 4	...
8	Peer Khan	...	...	...	...	...	...	31,680	1,029 9 7	...
9	Ditto	...	...	...	...	...	...	7,000	262 8 0	...
10	Petty Repairs.	...	...	...	...	...	...	38,680	1,292 1 7	...
11	Salig Ram	...	...	...	...	...	...	200	...	...
12	Ditto	...	...	...	...	...	...	100	...	...
13	Ditto	...	...	...	...	...	...	100	...	...
14	...	...	...	...	...	...	...	400	(a) 14 0 0	...

(The items (a) would be entered in the Purchase List and Contract Account.)

A. B., Exec. Engr.,
(or Asst. Engr., as the case may be.)

II. The items of charge for metal collected every month will be supported by the detailed account in Form B, showing how the charges are arrived at. Of course when a contractor does the work at average rates or on a lump contract such details will be superfluous. But in most cases the contractor's bill may be usefully submitted in this form, as the prices to be paid will usually be determined by the distance the metal has to be carried.

III. A monthly statement of receipts and issues (Form C) will be prepared and filed in the Executive Engineer's office showing the operations in each mile. Separate returns may be kept for the metal collected for annual repairs and that collected for petty repairs, if found convenient (Form D).

IV. In the day book or figure abstract for consolidation, when the work is done by daily labour, the quantity of metal laid down will be shown in the usual way for materials issued without being priced. (Form E).

V. A half-yearly balance return of metal similar to that required for Tools and Stores will be furnished to the Controller.

6. These changes will take effect from 1st November next, the metal on hand on that date being carefully measured and charged off to Original Works or Repairs as the case may be. The annual repairs estimates for the current year, should be prepared separately for collection and consolidation.

ORDER.—Ordered, that copies of the foregoing be forwarded to the Local Governments and Administrations named in the margin for information and guidance, and to the Governments of Madras and Bombay for information.

Also that copies be sent to the Financial Department, and to the Accountant General, Public Works Department.

(Signed) R. STRACHAN, *Chief Secy. to the Govt. of India.*

Updike

Captain, R. E.

Under Secy. to the Govt. of India.

Reference to Public Works Circular No. 72 of 1864.

FORM A.

General Quarry Taxation Table.

Rate Table showing lowest rates at which metal can be supplied to the contractor throughout the Province.

Mile	Commencement of work	Extent of quarrying in acres	Distance from the place of quarrying to the place of use in miles	Rate per cubic yard				Total			
				Rs.	A.	P.	As.	Rs.	A.	P.	As.
1	...	...	...	0	6	0	1	0	6	0	1
2	...	...	...	0	6	0	1	0	6	0	1
3	...	...	...	0	6	0	1	0	6	0	1
4	...	...	...	0	6	0	1	0	6	0	1
5	...	...	...	0	6	0	1	0	6	0	1
200	...	...	...	0	10	0	2	0	10	0	2
300	...	...	...	0	12	0	2	0	12	0	2
400	...	...	...	0	7	0	1	0	7	0	1
420	...	...	...	0	4	0	2	0	4	0	2
431	...	...	...	...	...	...	...	...	...	...	...

This is taken from the ridge at the top of the quarry for a short distance, and the ground difficult, the rate is high.

The layer of kankar in this quarry is imbedded very deep, whence the high rate for digging.

To
The Secretary to the Government of Madras
Public Works Department

FORM B.

DIVISION.

Statement of Road Metal supplied during the month of 1863.

MILES.	CONTRACTOR.	QUARRY FROM WHICH DUG.	DISTANCE CARRIED.	RATE FOR CARRYING PER MILE.	COST PER 100 CUBIC FEET.			QUANTITY IN CUBIC FEET.	VALUE.	REMARKS.
					Digging and Stocking at Roadside.	Carriage.	Total.			
ANNUAL REPAIRS.										
<i>Leitch & Merrett Road.</i>										
3	Barnes Hill	Canoe	...	...	...	...	2 12 0	31,680	...	Contract for first 10 miles at this rate.
4	Ditto	...	...	...	...	...	2 12 0	31,680	...	
								63,360	63,360 6-4	
<i>Grand Trunk Road.</i>										
555	Peer Khan	Begumabad	3	0 8 0	1 12 0	1 8 0	3 4 0	31,680	1,079 9 7	Increase of rate for carriage above that entered in rate-book since issued in Superintendent Engg. Secy's No. of 1862. The quantity collected in mile 369 is required to supplement the balance already on stock.
560	Ditto	Ditto	4	0 8 0	1 12 0	2 0 0	3 12 0	5,760	262 8 0	
								37,440	1,342 1 7	
Penny Bazaar.										
562	Sahib Khan	...	...	...	...	...	...	200	...	Contract, as per rate-book.
564	Ditto	...	...	...	...	...	...	100	...	
567	Ditto	...	...	...	...	...	...	100	...	
								400 0	14 0 0	

(The items 'a' & 'b' would be entered in the Purchase List and Contract Account.)

A. B., Secy. Engrs.
or Asst. Engrs., as the case may be.)

(3)

FORM C.

DIVISION.

Statement of Receipts and Issues of Road Metal for annual repairs during the month of 1863.

Month.	RECEIPTS BY ISSUES IN 1863.	RECEIPTS DURING MONTH.	TOTAL.	EXPENDED DURING MONTH.	BALANCE AT ROADSIDE ON 1st 1863.	REMARKS.
Duff and Millard Road.						
1	31,680	...	31,680	...	31,680	
2	31,680	...	31,680	...	31,680	
3	...	31,680	31,680	...	31,680	
4	...	...	10,000	...	...	
11	31,680	...	31,680	...	31,680	
12	31,680	...	31,680	...	31,680	
16	31,680	...	31,680	...	31,680	
1,342 6 4			1,342 6 4	1,10,010	87,010 (b)	
Grand Trunk Road.						
101	31,680	31,680	31,680	...	31,680	
201	31,680	...	31,680	...	31,680	
301	31,680	...	31,680	...	31,680	
401	31,680	...	31,680	...	31,680	
1,342 6 4			1,342 6 4	...	1,342 6 4	
1,342 6 4			1,342 6 4	1,10,010	2,13,760	

A. B., Secy. Engrs.

or Asst. Engrs., as the case may be.)

The balance on items 'a' and 'b' would be transferred to the regular monthly statement of Receipts and Issues of Stock.)

FORM D.

DIVISION.

Statement of Receipts and Issues of Road Metal for petty repairs during the month of 1863.

Month.	RECEIPTS BY ISSUES IN 1863.	RECEIPTS DURING MONTH.	TOTAL.	EXPENDED DURING MONTH.	BALANCE AT ROADSIDE ON 1st 1863.	REMARKS.
201	...	...	...	...	150	
202	...	...	...	...	200	
203	...	...	...	...	200	
204	...	...	...	...	200	
205	...	...	...	...	200	
206	...	...	...	...	200	
207	...	...	...	...	200	
208	...	...	...	...	200	
209	...	...	...	...	200	
210	...	...	...	...	200	
211	...	...	...	...	200	
212	...	...	...	...	200	
213	...	...	...	...	200	
214	...	...	...	...	200	
215	...	...	...	...	200	
216	...	...	...	...	200	
217	...	...	...	...	200	
218	...	...	...	...	200	
219	...	...	...	...	200	
220	...	...	...	...	200	
2,800			2,800	200	2,600	

The totals on this line would be carried in to the general statement of monthly receipts and issues.

(4)

FORM E.

DIVISION.

Day Book of annual repairs, consolidation of road metal, &c., &c., Leeki and Meerut Road.

	Mails @ 3 Annas.	Fridges @ 2 Annas.	Coolies @ 6-1-6.	Wheels @ Rs. 1.	
	12	255	26-4	51	350-4
	96	2,010	2-0	51	
1	4	80	10	2	
2	4	80	10	2	
3	4	80	10	2	
4	4	80	10	2	
5					
6	4	80	10	2	
7	4	80	10	2	
8	4	80	10	2	
9	4	80	10	2	
10	4	80	10	2	
11	4	80	10	2	
12					
13	4	80	10	2	
14	4	80	10	2	
15	4	80	10	2	
16	4	80	10	2	
17	4	80	10	2	
18					
19					
20	4	80	10	2	
21	4	80	15	2	
22	4	80	15	2	
23	4	80	15	2	
24	4	80	15	2	
25	4	80	15	2	
26					
27	4	120	15	3	
28	4	120	15	3	
29	4	120	15	3	
30					
31					

ABSTRACT

LABOUR.

Basic Materials

60 Buckets, at 0.6-6

1 Sack Twine

STOCK.

Road Metal.

cub. feet.

Mile 2 ... 31,680

" 3 ... 31,680

" 14 ... 10,000

" 15 ... 31,680

" 16 ... 5,000

Total 1,10,040

R. A. P. R. A. P.

150 4 0

1 14 0

0 8 0 2 6 0

132 10 0

27/6/74/11/11

(4)

FORM E.

DIVISION.

Day Book of annual repairs, consolidation of road metal, &c., &c., Delhi and Me.
Road.

1
2
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W

3290

Communicated
to the Controller of Public
Works Accounts for informa-
-tion.

Chapman
16th Nov/64

To the Controller

X:87 P.P.W. Accts

17th November

27	4	120	15	3
28	4	120	15	3
29	4	120	15	3
30				
31				

for 1864. Depa

7th ell 24/611-1326

Recd of Govt of India for Road Metal

734749

Account. 1574

Circular No. 72.

To

FROM

SECT. TO GOVT. OF INDIA,
IN THE PUBLIC WORKS DEPT

Dated Simla, 21st September, 1864.

Received *O. S. S. S.*

R.I.

ex 3290-16th Dec 1864

Road Metal to be charged to Works instead of
being passed through the Stock Account.

No 29. 0000

With an order.

24th Nov 1864/3. 125