52

(1) பக்கங்களின் எண்ணிக்கை 84

(2) புதுக்கித் திருப்பிய நாள் 23-9-88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2798	அச்சகம் பலவகை
நாள் :	8-11-1884.	198

கண்டபடி கையாளவோ கூடாது

1

(21)

1—18,006—15-6-87.

8th November 1884, No. 2798 W., Public Works.

2798
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From D. C. GORDON, Esq., Examiner, Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 13th September 1884, No. 65 W.

I have the honor to forward, for information of Government, letter No. 534 W., dated 19th July 1884, from the General Superintendent, Public Works Workshops, together with the annual accounts of the shops for 1883-84, and the audit memorandum thereon by Mr. Rainier, Deputy Examiner.

2. The outturn for the year was Rs. 1,19,500, and the loss on the year's transaction Rs. 1,886. The amount of loss stated in the letter of the Superintendent is less than the above figure owing to some subsequent corrections made in his accounts. Attention is invited to paragraphs 9 and 12 of the Deputy Examiner's note.

3. The events which have taken place in connection with these workshops during the past two years are probably fresh in the memory of Government. In my letter printed with the last report (G.O., No. 2503 W., dated 6th September 1883), I reviewed the various changes and proposals, concluding with the memorandum by the Chief Engineer, No. 1041 C., dated 31st May 1883, in which it was stated that the general conclusion arrived at by the Superintending Engineers of the department was that no difficulties would arise from the contemplated closure of the workshops.

4. In G.O., No. 360 W., dated 9th February 1884, Government, after citing the papers relating to the question of restricting the operation of the Presidency Public Works Workshops in view to their eventual abolition, and briefly setting forth the later action taken, appointed a committee of five members,—the Superintending Engineer, V Circle, the Deputy Chief Engineer and Under Secretary to Government, two Executive Engineers, and the Examiner, Public Works Accounts,—to investigate and report on the questions now pending respecting the Public Works Workshops and Stores.

5. The attention of the committee was specially directed to—

I. The effects, on the financial position of the shops, of the order of September 1882 requiring that as few orders as possible should be sent to the shops, with a view to encourage outside agency.

II. The extent to which outside agency had been availed of and the results.

III. The influence, if any, from the commencement of State Railway Construction.

IV. Consequent on the foregoing, the policy to be pursued, whether the still further reduction of establishment, the closing of the shops, or their re-establishment.

V. The operations of the Mathematical Instrument Department of the shops.

VI. The staff required in connection with the shops and its kindred branches.

6. In regard to I, I submitted to the committee a statement analysing the financial position of the shops from 1876-77 to 1882-83, with approximate corresponding figures for 1883-84, together with a memorandum reviewing the conditions, the percentages charged, the cost to customers, and references to opinions expressed by the Chief Engineers of the department as published in G.O., No. 2064 W., of 12th August 1882.

7. In regard to IV, I submitted a memorandum offering remarks on the effect, so far as my opinion was worth anything, of the shops being re-established on their original footing; being reduced to the position of mere jobbing shops, undertaking repairs only and no new works; being closed altogether.

8. The committee's report is published in G.O., No. 1494 W., of 16th June 1884. On points II, III and IV, the opinion was that for State Railways and Government Departments other than the Public Works Department the shops need not be maintained, but for the Public Works Department, *four* out of five members of the committee were of opinion that the shops should be re-established on their former footing; on point V, that the Instrument Department should be maintained; on point VI, that the shops and kindred branches should be treated as an ordinary Public Works division and its staff regulated accordingly.

9. In passing orders, Government in the above-quoted G.O. of 16th June 1884 considered that the experiment of restricting the operations of the shops had not lasted long enough to allow of healthy private competition, and that it must be continued for the present; that meanwhile inquiry would be made whether the Gun Carriage Factory was in a position to undertake work required by the Public Works Department. Nothing further has been received by me on the above point.

10. In G.O., No. 1966 W., dated 11th August 1884, it was directed that the Public Works Workshops and Stores should be formed into an ordinary Public Works division under the Superintending Engineer, V Circle; previously they had been under the supervision of the Chief Engineer of the department. Bearing in mind paragraph 8 of note by Chief Engineer, Public Works Department, published in G.O., No. 2064 W., dated 12th August 1882, and the concurrence of Government in that note, I have inquired whether it is the intention of Government that the special pay attached to the post of superintendent is to be abolished and pay of departmental rank substituted.

11. I do not think it requisite that I should furnish to Government copies of the papers I submitted to the Committee of Inquiry; if necessary for reference, they are no doubt available in original from the Superintending Engineer's office, and to recapitulate here, and now the facts, &c., put forward would perhaps be to little purpose.

ENCLOSURES.

From the General Superintendent, Public Works Workshops, to the Examiner, Public Works Accounts, dated Madras, 19th July 1884, No. 534 W.

I have the honor to forward, for submission to Government, the accounts of the Presidency Public Works Workshops for 1883-84.

2. During the year the Workshop became liable to Government for—

	RS.	A.	P.
(1) To cash drawn from treasury	1,01,500	0	0
(2) To value of stores received without payment	16,931	3	8
(3) To interest on capital	7,223	4	5
(4) Pension and leave allowances	1,970	9	9
(5) To block	2,189	14	6
(6) To machinery and plant	4,017	2	5
	1,33,832	2	9

2798
2

3. On account of this amount the following payments were made :—

	RS.	A.	P.
(1) Payments into treasury	5,492	13	1
(2) Approved invoices	1,06,121	10	9
(3) Balance of interest due to Government	1,411	2	10
	1,13,025	10	8
Leaving for increase to capital	20,806	8	1
(4) The gross profits amounted to	38,963	5	2
against which charges aggregating	40,374	8	0
have been debited, leaving a balance of interest due to Government	1,411	2	10

4. The opening and closing balances of the capital accounts as noted in the following table show an increase to capital of Rs. 20,806-8-1 :—

—	Capital on 31st March 1884.			Capital on 31st March 1883.			Increase.			Decrease.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Block	85,742	14	2	86,137	1	6	...			394	3	4
Machinery and plant ...	59,742	7	0	53,577	13	7	6,164	9	5	...		
Mechanical department ...	9,533	12	11	7,787	6	9	1,746	6	2	...		
Instrument do. ...	6,950	12	0	5,438	1	9	1,512	10	3	...		
Manufacture	400	0	0	400	0	0	...			...		
Raw materials	26,609	2	9	22,442	7	9	4,166	11	0	...		
Sales	3,142	4	0	1,575	9	8	1,566	10	4	...		
Public department ...	10,107	8	0	3,223	6	0	6,884	2	0	...		
	2,02,228	12	10	1,80,581	15	0	22,041	1	2	394	3	4
Deduct bills payable ...	1,453	3	8	612	13	11	1,453	3	8	612	13	11
	2,00,775	9	2	1,79,969	1	1	20,587	13	6	218	10	7
	1,79,969	1	1	...			218	10	7	...		
	20,806	8	1	...			20,806	8	1	...		

5. The results of the working for the year under review as compared with those of three previous years are as follows :—

—	1880-81.			1881-82.			1882-83.			1883-84.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Outturn	2,08,888	13	2	2,34,363	3	4	1,39,936	10	4	1,19,505	13	7
Net profit	..			...			...			..		
Net loss or interest unpaid.	22,161	10	6	6,833	1	2	2,928	3	7	1,411	2	10

6. Out of Rs. 7,223 due to Government as interest on the opening balance of capital, the workshop has been able to pay all but the very small amount of Rs. 1,400, and this has been effected in spite of the lowest outturn that the shops have ever known. An examination of the revenue account for the year 1883-84 will show that the shops are now in a position to work economically, but so long as the work is restricted as at present, it is impossible to reduce the scale of charges.

7. The increase to capital is accounted for as follows :—

RS.	
6,164	On account of adjustment ordered by the Examiner, Public Works Accounts, in the accounts for 1882-83.
1,746 1,512	On account of work in hand in the Mechanical and Instrument Departments.

2

RS.	
4,166	On account of material purchased, chiefly teak to carry out orders received late in the year.
1,566 6,864	On account of bills due to shops.

8. G.O., No. 1494 W., of the 16th June 1884, has ordered the experiment of restricting the operations of the workshops to be continued; but it is satisfactory to be able to report that all expenses connected with the working of the shops have been so reduced that this experiment can be continued for some time without the serious loss which some few years ago immediately followed the falling off in the outturn and consequent reduction of profits.

Memorandum on the annual accounts of the Public Works Department Workshops for 1883-84, with notes on the state of the General Superintendent's office.

The last annual accounts were submitted on 18th August 1883, *vide* papers printed with G.O., No. 2503 W., of 6th September 1883.

2. The present position of the shops is as follows:—

Its assets are—

	RS.	A.	P.	RS.	A.	P.
I. Immoveable property or block ...				85,677	3	1
II. Machinery and plant				58,581	12	1
III. Value of an old mortar machine which is not part of the plant, but which is shown as such				1,000	0	0
IV. Value of weighing machines which are not in use, or never have been, but which form the balance of the account "manufactures"				400	0	0
V. Value of raw materials in hand on 31st March 1884...				26,609	2	9
VI. Expenditure on unfinished jobs				16,484	8	11
VII. Bills owing to the concern—						
(*a*) From the departments of Government	10,107	8	0			
(*b*) From private parties	3,142	4	0			
				13,249	12	0
				2,02,002	6	10

3. Since III and IV are of no use to the workshops, and do not appertain to them in any way, their value should be transferred to stores. The value of the mortar machine altogether charged to these workshops has been apparently Rs. 1,142, Rs. 142 of which has been debited to working expenses in the general charges account, and the remainder to capital in "machinery and plant," as above. I see no reason why the whole should not be transferred to the debit of stores, and the workshops relieved of them.

4. The block revaluation on 31st March 1883, as also that of the machinery and plant on same date, have been now subjected to the proper percentage for depreciation as ordered in G.O., No. 2503 W., of 6th September 1883, namely, 3 per cent. for block and 4 per cent. for machinery, &c., and the Superintendent's accounts have been corrected in this respect.

5. The value of raw materials (V) set down as Rs. 26,609-2-9, of course, could not be verified in any way.

6. Of bills owing to the shops from Government departments, Rs. 7,319 was from stores which has since been adjusted. There were two items of Rs. 83 and Rs. 9 due from the Local Fund Engineer of Vizagapatam since the year 1881, regarding which there has been much correspondence, and the recovery of which is held to be doubtful. Also an item of Rs. 66 due from the School of Arts since 1882 is not thought to be recoverable, it being a claim for interest on previous bills at 5 per cent. per annum. The only other item regarding which there is any doubt is very small, less than one rupee.

7. Of the liabilities of the concern, Rs. 1,453-8-8 is owing to parties for stores bought and Rs. 2,00,549-3-2 is consequently the balance of capital in use, and for which the shops are responsible to Government.

8. At the end of 1882-83 this balance was Rs. 1,79,969-1-1, at the end of 1881-82 Rs. 2,39,946.

9. Taking the interest due to Government for the capital at the commencement of the year 1883-84 as Rs. 7,471-8-11, the workshops' operations of the past year have resulted in its inability to pay that interest, except only Rs. 5,585-11-7 of it, which is 3 per cent. on the capital instead of the requisite 4 per cent. This result has been reached by charging centages which for the year average 48·3 per cent. of actual cost of work turned out, and 21·5 per cent. on the capital employed.

10. Of course, the object of the shops is merely to pay the interest on capital, nothing more nor less. If the interest were fully met, and that after a year of moderate centage charges, the object of the shops would be secured, provided the outturn had not been such as to molest private enterprise. If the cost of working is such, so long as the shops are kept open, that an outturn of work which with materials cost Rs. 1,50,000 could be done almost at the same expense to the shops, as would be an outturn of only Rs. 1,00,000. It follows that work must cost abnormal rates to the different divisions, whilst the shops are working only half time. Steam charges for fuel, oil and repairs, &c., were actually greater in 1883-84 than in 1882-83, and establishment but for outside causes would have been as much, though outturn in 1883-84, as compared with 1882-83 was as 119½ to 140.

11. The permanent establishment in 1883-84 cost Rs. 16,392 and in] 1881-82 Rs. 16,229, though the outturn in the latter was almost double that of the former year.

12. There is a manifest reduction in the cost of working of late years, which has no doubt resulted from practical experience, and though the plant of the shops is said to be a great deal of it in need of renewal, and much increase to capital must therefore be contemplated, working expenses may be expected, I was told, to still further be reduced: the General Superintendent gave it as his opinion that the charges general of last year would suffice in this year for double the outturn, and that had the outturn been two lakhs instead of Rs. 1,19,500, the centages would not in the year under notice have averaged more than 25 per cent. on cost of work instead of 48 per cent. as they have. The falling off of orders under the present restrictive system may, when the above increase to capital takes place, force upon the shops such centages as will make the cost of work done for Government exorbitant, and the consequence must be either the closing of the shops altogether, or the reopening them to their former extent.

13. Judging from the present work done by the shops, and the orders which are registered, it is difficult to understand under what restriction (with reference to G.O., No. 2488 W., of 25th September 1882, and No. 1494 W., of 16th June 1884) the divisional officers hold themselves at present. Except as regards Madras itself there can be very little pretence of testing private enterprise, and it is stated by the General Superintendent that as regards private enterprise in Madras he has occasionally had work proffered by the trade. Large local orders are certainly coming in for work which, it is presumed, cannot be done elsewhere. So long perhaps as the Government Workshops exist there can hardly be hope of fresh and independent private capital embarking in the same line of business, and the only way to seriously invite such capital or test private enterprise would be to finally close the Government shops.

14. Meanwhile there are apparently no other means in Madras of getting certain high class work done, either for Government or for the public (in which latter the shipping is, of course, included) than the Government Workshops and work done there is costing very much more than it would cost if the shops had their full work, which the General Superintendent says would be about two lakhs of outturn a-year, and which could be expected from Government departments alone.

15. The General Superintendent's office was examined and found to be in good order in every respect.

Madras,
10th September 1884.

(Signed) H. RAINIER,
Dy. Examiner, Public Works Accounts.

From Captain W. L. C. BADDELEY, R.E., General Superintendent of Public Works Workshops, to the Superintending Engineer, V Circle, dated Madras, 20th September 1884, No. 819 W.

With reference to your No. 2345, dated 17th instant, I have the honor to report that the mortar mill has been condemned by the Executive Engineer of Sangam, and could not, therefore, be issued to any other public works division or to the harbour works. The mill was formerly used for grinding coke in the Public Works Workshops, but is not now required for any purpose, and I beg to suggest that it be transferred to the Public Works Stores, where arrangements will be made for selling it by auction.

2. The weighing machines are serviceable, and it is probable that they can be utilised in the Public Works Stores and Workshops; for the present I would recommend that they be transferred to the Public Works Stores.

No. 2691.

Endorsement on the above.

Forwarded to the Chief Engineer, Public Works Department, with reference to his memorandum, No. 1544 C., dated 16th September 1884.

12th October 1884.
(Signed) H. L. PRENDERGAST, Colonel, R.E.,
Superintending Engineer, V Circle.

ORDER—dated 8th November 1884, No. 2798 W., Public Works.

With his letter above recorded, the Examiner, Public Works Accounts, submits the annual accounts of the Presidency Public Works Workshops for the year 1883-84.

2. The liabilities during the year amounted to Rs. 1,34,080, while the assets were Rs. 1,32,194, showing a net loss on the year's transactions of Rs. 1,886.

3. The outturn of the year was Rs. 1,19,506, against Rs. 1,39,937 in 1882-83, and Rs. 2,34,363 in 1881-82. The fall off is due to the orders of September 1882, restricting the operations of the workshops.

4. The condemned mortar mill, and the weighing machines now in the workshops, may be transferred to the Public Works Stores as proposed by the General Superintendent, and disposed of when opportunity offers.

5. Adverting to paragraph 9 of the Examiner's letter, it has been intimated* in the Military Department that the Gun Carriage Factory is not in a position to undertake the work required by the Public Works Department.

* G.O., No. 1872 W., dated 1st August 1884.

6. The question as regards the pay of the General Superintendent, referred to in paragraph 10 of the Examiner's letter, was disposed of in G.O., No. 2527 W., dated 14th October 1884.

7. With reference to the concluding paragraph of the same letter, it is observed that, in June last,† after careful consideration of the report of the Committee appointed in G.O., No. 360 W., dated 9th February 1884, the Government arrived at the conclusion that the experiment of restricting the operations of the workshops had not lasted sufficiently long, and that it should be continued for the present. The Government are not prepared to investigate the question again, after so short an interval.

† G.O., No. 1494 W., dated 16th June 1884.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts,
with copy of G.O., No. 1872 W., dated 1st August 1884.

Exd. A. Grubert.
Spare Copies

2798
A

4

GENERAL.
ACCOUNT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated November, 8th.

Encl.

Recd.

G.O., 8th Nov. 1884, No. 2798 W.

NOVEMBER.

Presidency Public Works Workshops

Orders on the annual accounts of the — for 1883-84.

2798/5

Financial Statements.
for
1883—84.

5

2798
6

8

(a) General charges account of the Presidency P. W. Workshops for the year 1883–1884

To Cost of Permanent Establishment	16392 9 2	
" Cost of Contingent Establishment	2229 5 6	
" Cost of Contingencies	201 10 –	18823 8 8
" Cost of fuel, oil and other materials for Engines &c. and repairs to Machinery Tools & plant	4365 5 6	
" Public Department	55 13 7	
" Machinery and Plant	142 " 5	4563 3 6
" Mechanical Department for repairs to Machinery &c.	" " "	188 7 8
" Instrument do do do		28 14 –
" Block for depreciation at 3%	2649 13 4 ~~2531 1 10~~	
" Machinery and Plant at 4%	2303 12 4 ~~2196 1 10~~	4953 9 8 ~~4727 3 8~~
" Government for pension and leave allowances on the Permanent Establishment charges	– –	1970 9 9
		30528 5 3 ~~30301 15 3~~
" Balance carried to Profit & Loss	– –	6877 2 7 ~~7103 8 7~~
Rupees		37405 7 10

By Percentages on outturn to meet the cost of General charges as under.	
Mechanical Department	22317 2 1
Instrument Department	12366 6 3
Foundry	2709 – 3
Cash for unclaimed wages &c.	12 15 3
Rupees	37405 7

2798/7

Madras }
19th July 1884 }

[illegible]
Head Clerk

W C Baddeley
Captain R.
General Supdt. P. W. Workshops

(b)

Profit and Loss

	Rs		Rs
To Government for Interest on the opening balance as per statement ... Rs 179969-1-1 Add amount [illegible] 6207-11 Plus amount due on purchase &c account Rs 612-13-0 186788-15-11 Rs ~~186581-15-~~		By Balance of charges Genl. account	6877 0 ~~7100 8~~
At 4 per cent as per G.O. No. 52 dated 8th June 1869	7471 8 11 ~~7223 4 5~~	" Profits on Estimated Works and standard rates.	
		Mechanical Department 152 5 11	
		Instrument Department 1405 7 5	
		Materials	1557 13 [illegible]
" Foundry	126 7 5	Balance of interest due to Govt.	1885 13 [illegible] 1805 1[illegible] 1411 2 0
" Raw Materials	1301 3 4		
" Purchase	1431 9 7		
Rupees	10320 13 2 ~~10072 8 9~~	Rupees	10320 13 [illegible] 10072 8 9

2298

8

Madras
19th July 1884

Head Clerk.

General Supdt. P.W. Workshops

Captn. R.E.

(c)

Her Majesty's Government

To Transfers to Capital account		179969 1 1	By opening Capital		179969
To Cash	5492 13 1		By Cash for cheques drawn	101,500 " "	
" Transfers	106121 10 9		" Transfers	16,931 3 8	
" ~~Balance of interest due to Gov~~ Loss	1885 13 4 ~~1244 2 10~~		" Interest on Capital	7471 8 11 ~~7233 4 6~~	
		113500 5 2 ~~113025 10 8~~	" Pension & Leave allowances	1970 9 9	
" Increase to Capital		20580 2 1 ~~20806 8 4~~	" Block	2189 4 6	
			" Machinery and Plant	4017 2 5	134080 ~~133830~~
Rupees		134080 7 3 ~~133830 [illegible]~~	Rupees		134080 ~~133830~~

9

Madras
19th July 1894

Head Clerk

W W Baddeley.

2798
9

Capt. R.E.

General Supt. P. & Workshops

(d)

Capital

To Balance being the value of Capital on 1st April 1884	200549 3 2 ~~200775 9 2~~	By Transfer from Her Majesty's Govt being the value of Capital invested in the shops on 1st April 1883	179969 1 1
		" Increase to Capital	20580 3 1 ~~20806 8 1~~
Rupees	200549 3 2 ~~200775 9 2~~	Rupees	200549 3 2 ~~200775 9 2~~

10

2798
10

Madras
19th July 1884

Head Clerk

Capt R.E.
General Suptt. P.W. Workshops

Block

(a)

To Balance on 1st April 1883	86137 1 6	By Depreciation at 3%	2649 13
" Government	2189 14 6	" Balance	85677 3
Rupees	88,327	Rupees	88327 .

2798
11

Madras }
19th July 1884 }

Head Clerk

Captain R.
General Supdt. P. W. Workshops

(f)

Machinery and Plant

To Balance on 1st April 1883		53577 13 7	By Depreciation at 4%	2303 13 9 ~~[illegible]~~
" Public Department	4371 7 3		" Raw Materials	16 " "
" Raw Materials	77 2 "		" Charges General	142 " 5
" Government	4017 2 5			
		8465 11 8	" Balance	
	Rupees	62043 9 3	Rupees	62043 9 3

3461 13 2
~~2801 2 3~~
59581 12 1
~~59742 7 –~~

2798
12

12

Madras
19th July 1884

Head Clerk

W C Beddell, Captn R.E.
General Supdt. S. W. Workshops

(9)

Cash

To Balance			By Government	5492 13 1	
" Government	101,500 " "		" Purchase	41296 2 8	
" Sales	5011 6 6		" Mechanical Department	25673 13 10	
" Profit & Loss for unclaimed wages &c.	12 15 3		" Instrument Department	12121 12 1	
			" Salaries and Contingencies	18,823 8 8	
		106524 5 9	" Foundry	3088 12 5	
			" Sales	27 7 "	
					106,524 5 9

Rupees 106524 5 9

Rupees 106524 5 9

13

3798

Madras
17th July 1884

13

Head Clerk

Captn R.E.
General Supdt. P.W. Workshops

(h)

Mechanical Department

To Balance on 1st April 1883		7787 6 9	By Sales	2096 3 -	
" Cash	25673 13 10		" Public Department	84548 13 -	
" Materials	31478 5 8		" Instrument Department	1338 8 1	
" Percentages for Genl. charges	22317 2 1		" Foundry	74 11 3	
" Foundry	10240 10 11		" Charges General	188 7 5	
" Public Department	130 10 9	89840 11 3			88246 11 -
			" Balance	- - -	9533 12 11
" Profit	- -	152 5 11			
	Rupees	97780 7 11		Rupees	97780 7 11

2795/14

Madras }
19th July 1884 }

Head Clerk

Captn R.E.
General Supdt. P. W. Workshops

(1)

Instrument Department

To Balance on 1st April 1883		5438 1 9	By Sales	749 6 "	
" Cash	12121 12 1		" Public Department	29740 4 9	
" Raw Materials	4799 1 2		" Charges General	28 14 "	
" Percentages for charges general	12366 6 3				30,518
" Mechanical Department	1338 8 1		" Balance	" "	6,950
" Public Department	" "				
		30,625 11 7			
" Profit	" "	1,405 7 5			
Rupees		37,469 4 9	Rupees		37,469

2798
15

Madras }
19th July 1884 }

Head Clerk

W C Baddeley, Captn
General Supdt. P. W. Worksho

(f)

Foundry

To Cash	3088 12 5		By Mechanical Department	10240 10 11	10240
" Raw Materials	4484 10 5		" Loss	. . 6	116
" Mechanical Department	74 11 3				
" Profit on percentages recovered for charges general	2709 . 3				
		10357 2 4			

2798/6

Rupees	10357 2 4	Rupees	10357

Madras }
19th July 1884 }

6

Head Clerk

. Captain

General Supdt. P. W. Worksho

(k) Manufacture

To Balance on 1st April 1853	400 ..	By Balance	400 ..
Rupees	400 ..	Rupees	400 ..

2798/17

Madras
19th July 1854

Head Clerk

W C Baddeley Captn R.E.
General Supdt. P. W. Workshops

Raw Materials

(L)

To Balance on 1st April 1883		22442 7 9	By issue to Mechl. Deptt	21478 5 8	
" Purchase	42136 8 5		" " Smith Deptt	4799 1 2	
" Public Department	12333 8 1		" " Foundry	4484 10 5	
" Mechanical Department			" " General	4365 5 6	
" Machinery and Plant	16 - -	54491 - 6	" " Sales	2371 2 10	
			" " Machinery & Plant	77 2 -	
			" " Public Department	15 13 -	
			" Purchase	4431 9 7	41923 2 2
			" Loss		1001 3 4
			" Balance		34009 2 9

2798/18

Rupees 76933 8 3

Rupees 76933 8 3

Madras
9th February }

Head Clerk

A. W. [illegible], Captain R.E.
General Supdt. G. & [illegible]

(m)

Purchase

To Cash	41,296 2 8	By Balance on 1st April 1883	612 13 11
" Raw Materials	1431 9 7	" Profit and Loss	1431 9 7
" Balance	1453 3 8	" Raw Materials	42136 8 5
Rupees	44180 15 11	Rupees	44,180 15 11

2798
19

Madras
19th July 1884

J. Hutchinson
Head Clerk

Captn. R.E.
General Supdt. P.W. Workshops

(N)

Sales

To Balance on 1st April 1883		1575 9 8	By Cash	5011 6 6	
Mechanical Department	2096 3 -		" Public Department	344 5 -	5355 11 6
Instrument Department	749 6 -		" Balance		3142 4 -
Raw Materials	2371 2 10				
Cash	27 7 -				
Public Department	1678 3 -				
		6922 5 10			
Rupees		8497 15 6	Rupees		8497 15 6

8798
20.

Madras
19th July 1884

20

Head Clerk

Capt. R.E.
General Supdt. P.W. Workshops

Public Department

(O)

To Balance on 1st April 1883		3223 6 -	By Transfers	106121 10 9	
" Mechanical Department	84648 13 -		" Raw Materials	12338 8 1	
" Instrument Department	29740 4 9		" Mechanical Department	130 10 9	
" Transfers	16931 3 8		" Sales	1678 3 -	
" Raw Materials	15 13 -		" Charges General	55 13 7	
" Sales	344 5 -		" Machinery and Plant	4371 7 3	
		131,580 7 5			124,696 5 5
			" Balance	" " "	10,107 8 -
	Rupees	134,803 13 5		Rupees	134,803 13 5

2798/21

Madras }
19th July 1884 }

2/

Head Clerk

Captain R.E.
General Supdt. P.W. Workshops

(p)

Transfers

To Public Department	106,121 10 9		By Public Department	16,931 3 8
" Government	16,931 3 8		" Government	106,121 10 9
		1,23,052 14 5		1,23,052 14 5

Rupees 1,23,052 14 5

2798/22

Rupees 1,23,052 14 5

Madras 19th July 18[illegible]

[illegible] Head Clerk

[illegible] Capt. R.E.
General [illegible] [illegible]

(9)

Balance sheet

To Stock	85677 3 1 ✓ ~~[illegible]~~	By Purchase bills payable	1153 3 8
" Machinery and Plant	57581 13 1 ~~59740 7 .~~	" Capital	200869 3 2 ~~200778 9 .~~
" Mechanical Department	9033 12 11 ✓		
" Instrument Department	6950 12 . ✓		
" Manufacture	1400 . . ✓		
" Raw Materials	26609 2 9 ✓		
" Sales or bills receivable	3142 4 .		
" Public Department	10107 8 .		
Rupees	202082 6 10 ~~[illegible]~~	Rupees	202082 6 10 ~~[illegible]~~

2796
23

23

Madras
19th July 188[illegible] }

Head Clerk

Capt. R.E.
General Supdt. P.W. Workshops

Presidency P. W. Workshops

Revenue Account for the year 1883-84

Dr.				Cr.	
Per cent on Gross receipts	Expenditure	Abstract 1883-84	Per cent on Gross receipts	Earnings	Abstract 1883-84
	Establishment	18625 4 –	47.80	By Centages	38963 5 2
	Contingencies	285 2 3	.74		
	Repairs to Machinery	4724 11 7	12.13		
	Depreciation Plant	2554 1 10	6.56		
	Do. Machinery	2143 1 10	5.5		
	Income & License Taxes	1970 9 9	5.06		
		30,301 15 3	77.77		
	Balance Net Earnings	8661 5 11	22.23		
		38963 5 2	100.00		38963 5 2

2798
214

Madras
19th July 1884

J. Mainstone
Head Clerk

Capt. R.E.
General Supdt. P. W. Workshops

Net Revenue Account

To Interest at 4% on the Capital of Rs 180551-10	7223 4 5	By Net Earnings	8661 5 11
" Profit and Loss	2849 4 4	" Balance of interest due to Government	1411 2 10
Rupees	10072 8 9	Rupees	10072 8 9

Madras
19th July 1884

Head Clerk

Captn. R.E.
General Supdt. P.W. Workshops

2848/25

List of outstanding Bills on the 31st March 1884

On whom	No. of Bill	Adjustment	Cash	Remarks
1881–82				
L. F. Engr. Vizagapatam	311		33 5 8	
"	611		9 8 -	
Supdt. School of Arts Madras	1039		66 1 -	
1882–83				
T. Baboy Naidu	139		- 10 -	
Supdt. School of Arts	146		168 10 -	
Mr. P. Webb	247		8 12 6	
Revd. W. Jones	In part 324		2 9 -	
M. Vyapary Mudaliar	329		3 - -	
C. Solayappa Mudaliar	350		6 - -	
Supdt. School of Arts	547		9 7 -	
Mahomed Nyna Meracir	733		38 - -	
Andiyappa Chetty	In part 744		5 3 -	
P. Chuckravarthy Mudaliar	813		2 - -	
C. Solayappa Mudaliar	813		18 12 -	
1883–84				
Mahomed Nyna Meracir	13			
Secy. Civil Orphan Asylum	16		95 11 -	
T. Kistnasawmy Naidu	In part 18		- 11 -	
Mahomed Nyna Meracir	30		- 11 -	
Mr. T. A. Reardon	31		36 10 -	
Commissioner of Salt Revenue	76	6 3	1 12 -	
Mahomed Ali Jewajee & Co	110			
Mr. H. Freeman	130		520 - -	
"	131		1 10 -	
			3 3 -	
Carried over		6 3	1681 9 2	

On whom	No. of Bill	Adjustment	Cash	Remarks
Brought over		6 3 -	1551 9 2	
Andyappa Charry	160		2 1 -	
"	162		1 4 -	
Ruthna Mudaliar	164		1 10 -	
Andyappa Charry	220		1 7 -	
Valayutha Aucharry	221		18 7 -	
Vencatrayulu	262		- 8 -	
Mr S. Francis	412		10 6 -	
T. Suburoyen	415		- 6 -	
Ristappa Naick	418		1 7 -	
Director of Revenue Settlement and Agriculture Madras	454	68 4 -		
Ex: Engineer Nellore Dn.	511	47 6 -		
Consulting Architect to Govt	514	31 11 -		
" " "	515	1526 5 -		
Mr E. Macartoom	521		1820 12 7	
Consulting Architect to Govt	522	278 1 -		
Supg. Engineer 6th Circle Trichinopoly	529	2 13 -		
" Tank Maintenance Scheme Chepauk	561	80 10 -		
Margasagaya Aucharry	565		1 4 -	
P. Singaravalu Mudaliar	566		5 -	
P. Cothundaswamy Pillay	567		- 8 -	
"	568		8 7 -	
"	569		3 2 -	
M. Appivocaty Chetty	570		43 11 -	
Ristappa Naick	571		- 13 -	
Mr. Rebeiro	572		- 2 -	
Mr S. Francis	573		57 8	
"	574		2 3 -	
"	575		9 5 -	
"	576		1 14 -	
Carried over		2041 5 -	3543 10 9	

On whom	No. of Bill	Adjustment	Cash	Remarks
Brought over		2041 5 -	3543 10 9	2798 26
Mr S. Francis	577		18 -	
M. Valayutha Aucharry	578		23 -	
Andyappa Aucharry	579		1 11 -	
"	580		1 14 -	
T. Suburoyen	581		11 14	
Supdt. Govt. Telegraph Deptt.	585	13 5 -		
" " "	587	7 4 -		
Accountant General Madras	591	16 -		
Supdt. Govt. Telegraph Deptt.	592	21 11 -		
Examiner of P.W. Accounts	603		9 4 -	
Ex. Engr. on special duty Mysore	607	27 4 -		
" Secunderabad Do.	608	16 5 -		
" Godavery Eastern Do.	609	10 15 -		
P.W. Stores Madras	610	3 6 -		
"	611	1 13 -		
"	612	1 15 -		
"	613	10 6 -		
Dt. and Session Judge S. Canara	619	9 5 -		
P.W. Stores Madras	625	- 6 -		
"	626	- 8 -		
"	627	2 10 -		
"	628	- 4 -		
"	629	5 7 -		26
"	630	3 5 -		
"	631	4 3 -	6	
Pakilman Saib	632		16 -	
Agent and Manager South India Press & Workshops Madras	637	7815 13 -	- 4 -	
P.W. Stores Madras	638		23 15 -	
Mr S. Francis	639			
"	640			
Carried over		9686 14 -	3655 1 9	

On whom	No. of Bill	Adjustment			Cash			Remarks
Brought over		9536	14	..	3655	1	9	
Mr S. Francis	641	..	..	..	..	12	..	
"	642	..	..	..	1	15	..	
Mr E. Macartoom	648	..	..	..	142	1	3	
Mr S. Francis	647	..	..	..	1	4	..	
Consulting Architect to Govt	649	506	8	..	..	..	..	
Ex: Engr Kistna Eastern Dn	651	25	2	..	..	..	..	
" Bellary Kistna State Railway	653	1	10	..	..	..	..	
Supg: Engr 1st Circle Dowlaishwaram	654	2	15	..	..	..	..	
Ex: Engr on special duty Calicut	657	1	11	..	..	..	..	
Post Master General Madras	671	34	12	..	..	..	..	
		10107	8	..	3801	2	..	
Deduct advance		..	..	..	658	14	..	
Rupees		10107	8	..	3142	4	..	

Madras
19th July 1884

Head Clerk.

Captain R.E.
General Supdt. P. W. Workshops.

Keep with R. G. Co.
331 X of 21-7-84.

Go no 2798 W
8-11-84

Read the following paper:-

p1

No. 65 W.

2798
28

From

THE EXAMINER,
PUBLIC WORKS ACCOUNTS,
MADRAS,

To

The Secretary to Government,
Public Works Department.

Madras, 13th September 1884.

Sir,

I have the honor to forward for information of Government, letter No. 534 W. dated 19th. July 1884 from the General Superintendent P.W. Workshops, together with the Annual Accounts of the Shops for 1883-84, and the audit memorandum therion by Mr Rainier Dy. Examiner.

2. The outturn for the year was Rs.1,19,500 , and the loss on the year's transaction Rs.1,886. The amount of loss stated in the letter of the Superintendent is less than the above figure owing to some subsequent corrections made in his Accounts. Attention is invited to paras 9, and 12 of the Dy. Examiner's Note.

3. The events which have taken place in connection with these Workshops during the past two years are probably fresh in the memory of Government. In my letter printed with the last report (G.O. No. 2503 W. dated 6th. September 1883) I reviewed the various changes and proposals, concluding with the memorandum by the Chief Engineer No. 1041 C. dated 31st. May 1883, in which it was stated that the general conclusion arrived at by the Superintending Engineers of the Department was that no difficulties would arise from the contemplated closure of the Workshops.

4. In G.O. No. 360 W. dated 9th. February 1884, Government

after citing the papers relating to the question of restricting the operation of the Presidency P.W. Workshops in view to their eventual abolition, and briefly setting forth the later action taken, appointed a Committee of five members, the Superintending Engineer 5th. Circle, the Dy. Chief Engineer and Under Secretary to Government, two Executive Engineers, and the Examiner P.W. Accounts, to investigate and report on the questions now pending respecting the P.W. Workshops and Stores.

5. The attention of the Committee was specially directed to:-

I. the effects, on the financial position of the Shops, of the order of September 1882 requiring that as few orders possible should be sent to the Shops, with a view to encourage outside Agency.

II. the extent to which outside Agency had been availed of and the results.

III. the influence, if any, from the commencement of State Railway Construction.

IV. consequent on the foregoing, the policy to be persued, whether the still further reduction of Establishment, the closing of the Shops, or their re-establishment.

V. the operations of the Mathematical Instrument Department of the Shops.

VI. the staff required in connection with the Shops and its kindred branches.

6. In regard to I, I submitted to the Committee a statement analysing the financial position of the Shops from 1876-77 to 1882-83, with approximate corresponding figures for 1883-84, together with a memorandum reviewing the conditions, the percentages charged, the cost to Customers, and references to opinions expressed by the Chief Engineers of the Department as published in G.O. No.

2064 W. of 12th. August 1882.

7. In regard to IV., I submitted a memorandum offering remarks on the effect, so far as my opinion was worth anything, of the Shops being re-established on their original footing; being reduced to the position of mere jobbing Shops, undertaking repairs only and no new works; being closed altogether.

8. The Committee's Report is published in G.O. No. 1494 W. of 16th. June 1884. On points II, III and IV. the opinion was that for State Railways and Government Departments other than the P.W.D. the Shops need not be maintained, but for the P.W. Department four, out of five, members of the Committee were of opinion that the Shops should be re-established on their former footing; on point V, that the Instrument Department should be maintained; on point VI., that the Shops and kindred branches should be treated as an ordinary P.W. Division and its staff regulated accordingly.

9. In passing orders, Government in the above quoted G.O. of 16th. June 1884, considered that the experiment of restricting the operations of the Shops had not lasted long enough to allow of healthy private competition, and that it must be continued for the present; that meanwhile enquiry would be made whether the Gun Carriage Factory was in a position to undertake work required by the P.W. Department. Nothing further has been received by me on the above point.

Vide G.O. No. 1872 W. dd 1-8-84 the G.C. Factory is not in a position to undertake the work

10. In G.O. No. 1966 W. dated 11th. August 1884, it was directed that the P.W. Workshops and Stores should be formed into an ordinary P.W. Division under the Superintending

Engineer 5th Circle; previously they had been under the supervision of the Chief Engineer of the Department. Bearing in mind para 8 of note by Chief Engineer P.W. Department published in G.O. No. 2064 W. dated 12th August 1882, and the concurrence of Government in that note, I have enquired whether it is the intention of Government that the special pay attached to the post of Superintendent is to be abolished and pay of Departmental rank substituted.

Vide G.O.
No. 2527 W
of 14.10.84.
The Govt. Supdt.
will draw the
pay of his
grade in the
P.W.D.

II. I do not think it requisite that I should furnish to Government, copies of the papers I submitted to the Committee of enquiry; if necessary for reference they are no doubt available in original from the Superintending Engineer's Office, and to recapitulate here, and now, the facts etc. put forward would perhaps be to little purpose.

I have the honor to be,

Sir,

Your Most Obedient Servant.

D. C. [illegible]

Examiner P.W. Accounts.

From,

The Examiner P. W. Accounts,

Madras.

To,

The Secretary to Government,

P. W. Department.

No. 65 W

Dated 13th September 1884.

Recd.

Enclos. 3.

Anna[illegible]nts of the P. W.
workshops for 1883-84.
Forwards with remarks.

Cir: 1/10/84

Enclosures 2798/9/4/6

Copy of a letter from the General Superintendent Public Works Workshops to the Examiner Public Works Accounts Madras, No. 536 W dated 19 July 1884.

I have the ~~the~~ honor to forward for submission to Government the Accounts of the Presidency Public Works Workshops for 1883-84.

2. During the year the Workshop became liable to Government for.

	Rs	a	p
(1) To Cash drawn from Treasury	101,500	-	-
(2) To Value of Stores received without payment	16,931	3	9
(3) To Interest on Capital	7,223	4	5
(4) Pension and Leave Allowances	1,970	9	9
(5) To Block	2,189	14	6
(6) To Machinery and Plant	4,017	2	5
	133,832	2	9
3) On account of this amount the following payments are made			
(1) Payments into Treasury	5,492	13	1
(2) Approved invoices	106,121	10	9
(3) Balance of interest due to Government	1,411	2	10
	113,025	10	8
Leaving for Increase to Capital	20,806	8	1
(4) The gross profits amounted to	38,963	5	2
Against which charges aggregating	40,374	8	-
have been debited, leaving a balance of interest due to Government.	1,411	2	10

5) The opening and closing balances of the Capital Accounts as noted in the following table show an increase to Capital of Rs 20806-8-1

	Capital on 31 March 1884			Capital on 31 March 1883			Increase			Decrease		
Block	85,742	14	2	86,137	1	6	.	.	.	394	3	4
Machinery and Plant	59,742	7	.	53,577	13	7	6164	9	5	.	.	.
Mechanical Department	9,533	12	11	7,787	6	9	1746	6	2	.	.	.
Instrument Department	6,950	12	.	5,438	1	9	1512	10	3	.	.	.
Manufacture	400	.	.	400	.	.	.	.	.	.	.	.
Raw Materials	26,609	2	9	22,442	7	9	4166	11	.	.	.	.
Sales	3,142	4	.	1,575	9	8	1566	10	4	.	.	.
Public Departments	10,107	8	.	3,223	6	.	6884	2	.	.	.	.
	202228	12	10	180,581	13	.	22041	1	2	394	3	4
Deduct Bills payable	1,453	3	8	612	13	11	1453	3	8	612	13	11
	200775	9	2	179969	1	1	20587	13	6	218	10	7
	179969	1	1				218	10	7			
	20806	8	1				20806	8	1			

6) The results of the working for the year under review as compared with those of three previous years are as follows.

	1880-81			1881-82			1882-83			1883-84		
Outturn	2,05,888	15	2	2,34,363	8	4	1,39,936	10	4	119,505	13	7
Net profit	.	.	.	.	.	.	.	.	.	.	.	.
Net loss or interest unpaid	22161	10	6	6,833	1	2	2928	3	7	1411	2	10

7) Out of 7223 Rs due to Government as Interest on the opening balance of Capital, the Workshop has been able to pay all but the very small amount of 1400 Rs and this has been effected in spite of the lowest out turn that the Shops have ever known. An Examination of the Revenue Account for the year 1883-84 will shew that the Shops are now in a position to work economically but so long as the work is restricted as at present it is impossible to reduce the scale of charges.

8) The increase to Capital is accounted for as follows.

6164.	On account of adjustment ordered by the Examiner P. W. Accounts in the Accounts for 1882-83.
1746 1512	On account of work in hand in the Mechanical and Instrument Departments
4166	On account of Material purchased; Chiefly teak to carry out orders received late in the year.
1566 6864	On account of Bills due to Shops.

9/ G. O. No 1494 W of the 16 June 1884 has ordered the experiment of restricting the operations of the Workshops to be continued; but it is satisfactory to be able to report that all expenses connected with the working of the shops have been so reduced that this experiment can be continued for some time without the serious loss which some few years ago immediately followed the falling off in the outturn and consequent reduction of profits.

/ True Copy /

J. E. Patton

Supdt. Correspondence Branch.

J.J.
11/9.

12/9

8/p 6

2798
33

MEMORANDUM ON THE ANNUAL ACCOUNTS OF THE P. W. D. WORKSHOPS FOR 1883-84, WITH NOTES ON THE STATE OF THE GENERAL SUPERINTENDENT'S OFFICE.

THE LAST ANNUAL ACCOUNTS WERE SUBMITTED ON 18TH. AUGUST 1883, VIDE PAPERS PRINTED WITH G.O. NO. 2503 W. OF 5TH. SEPTEMBER 1883.

2. THE PRESENT POSITION OF THE SHOPS IS AS FOLLOWS:-

ITS ASSETS ARE.-

I. IMMOVEABLE PROPERTY OR BLOCK	RS. 85,677- 8-1.
II. MACHINERY AND PLANT.....................	RS. 58,581-12-1.
III. VALUE OF AN OLD MORTAR MACHINE WHICH IS NOT PART OF THE PLANT BUT WHICH IS SHEWN AS SUCH....	RS. 1,000- 0-0.
IV. VALUE OF WEIGHING MACHINES WHICH ARE NOT IN USE, OR NEVER HAVE BEEN, BUT WHICH FORM THE BALANCE OF THE ACCOUNT 'MANUFACTURES'................	RS. 400- 0-0.
V. VALUE OF RAW MATERIALS IN HAND ON 31ST. MARCH 1884..............	RS. 26,609- 2-9.
VI. EXPENDITURE ON UNFINISHED JOBS...	RS. 16,484- 8-11.
VII. BILLS OWING TO THE CONCERN (A) FROM THE DEPARTMENTS OF GOVT.....10,107-8-0 (B) FROM PRIVATE PARTIES....3,142-4-0.	RS. 13,249-12-0.
	RS. 2,02,002-6-10.

3. SINCE III AND IV ARE OF NO USE TO THE WORKSHOPS AND DO NOT APPERTAIN TO THEM IN ANY WAY THEIR VALUE SHOULD BE TRANSFERRED TO STORES. THE VALUE OF THE MORTAR MACHINE ALTOGETHER CHARGED TO THESE WORKSHOPS HAS BEEN APPARENTLY RS. 1,142, RS. 142 OF WHICH HAS BEEN DEBITED TO WORKING EXPENSES IN THE GENERAL CHARGES ACCOUNT, AND THE REMAINDER

TO

33

TO CAPITAL IN 'MACHINERY AND PLANT', AS ABOVE. I SEE NO REASON WHY THE WHOLE SHOULD NOT BE TRANSFERRED TO THE DEBIT OF STORES AND THE WORKSHOPS RELIEVED OF THEM.

4. THE BLOCK REVALUATION ON 31ST. MARCH 1883, AS ALSO THAT OF THE MACHINERY AND PLANT ON SAME DATE, HAVE BEEN NOW SUBJECTED TO THE PROPER PER-CENTAGE FOR DEPRECIATION AS ORDERED IN G.O. NO. 2503 W. OF 5TH. SEPTEMBER 1883, NAMELY 3 PER CENT FOR BLOCK AND 4 PER CENT FOR MACHINERY ETC. AND THE SUPERINTENDENT'S ACCOUNTS HAVE BEEN CORRECTED IN THIS RESPECT.

5. THE VALUE OF RAW MATERIALS (v) SET DOWN AS RS.26,609-2-9 OF COURSE COULD NOT BE VERIFIED IN ANY WAY.

6. OF BILLS OWING TO THE SHOPS FROM GOVERNMENT DEPARTMENTS, RS.7,319/ WAS FROM STORES WHICH HAS SINCE BEEN ADJUSTED. THERE WERE TWO ITEMS OF RS.83/ AND RS.9/ DUE FROM THE LOCAL FUND ENGINEER OF VIZAGAPATAM SINCE THE YEAR 1881, REGARDING WHICH THERE HAD BEEN MUCH CORRESPONDENCE AND THE RECOVERY OF WHICH IS HELD TO BE DOUBTFUL. ALSO AN ITEM OF RS.66/ DUE FROM THE SCHOOL OF ARTS SINCE 1882, IS NOT THOUGHT TO BE RECOVERABLE, IT BEING A CLAIM FOR INTEREST ON PREVIOUS BILLS AT 6 PER CENT PER ANNUM. THE ONLY OTHER ITEM REGARDING WHICH THERE IS ANY DOUBT IS VERY SMALL- LESS THAN ONE RUPEE-.

7. OF THE LIABILITIES OF THE CONCERN, RS.1,453-3-8 IS OWING TO PARTIES FOR STORES BOUGHT, AND RS.2,00,549-3-2 IS CONSEQUENTLY THE BALANCE OF CAPITAL IN USE AND FOR WHICH THE SHOPS ARE RESPONSIBLE TO GOVERNMENT.

8. AT THE END OF 1882-83 THIS BALANCE WAS RS.1,79,969-1-1 AT THE END OF 1881-82, RS.2,39,946.

9. TAKING THE INTEREST DUE TO GOVERNMENT FOR THE CAPITAL AT THE COMMENCEMENT OF THE YEAR 1883-84 AS RS. 7,471-8-11, THE WORKSHOP'S OPERATIONS OF THE PAST YEAR HAVE RESULTED IN ITS INABILITY TO PAY THAT INTEREST, EXCEPT ONLY RS.5,585-11-7 OF IT, WHICH IS 3 PER CENT ON THE CAPITAL INSTEAD OF THE REQUISITE 4 PER CENT. THIS RESULT HAS BEEN REACHED BY CHARGING CENTAGES WHICH FOR THE YEAR AVERAGE 48.3 PER CENT OF ACTUAL COST OF WORK TURNED OUT, AND 21.5 PER CENT ON THE CAPITAL EMPLOYED.

! 10. OF COURSE THE OBJECT OF THE SHOPS IS MERELY TO PAY THE INTEREST ON CAPITAL, NOTHING MORE NOR LESS. IF THE INTEREST WERE FULLY MET, AND THAT AFTER A YEAR OF MODERATE CENTAGE CHARGES, THE OBJECT OF THE SHOPS WOULD BE SECURED, PROVIDED THE OUTTURN HAD NOT BEEN SUCH AS TO MOLEST PRIVATE ENTERPRISE. IF THE COST OF WORKING IS SUCH -SO LONG AS THE SHOPS ARE KEPT OPEN- THAT AN OUTTURN OF WORK WHICH WITH MATERIALS COSTS RS.150000, COULD BE DONE ALMOST AT THE SAME EXPENSE TO THE SHOPS, AS WOULD BE AN OUTTURN OF ONLY RS.1,00,000. IT FOLLOWS THAT WORK MUST COST ABNORMAL RATES

TO

TO THE DIFFERENT DIVISIONS, WHILST THE SHOPS ARE WORKING ONLY HALF TIME. STEAM CHARGES for FUEL, OIL & REPAIRS, ETC. WERE ACTUALLY GREATER IN 1883-84 THAN IN 1882-83, AND ESTABLISHMENT BUT FOR OUTSIDE CAUSES, WOULD HAVE BEEN AS MUCH, THOUGH OUTTURN IN 1883-84 AS COMPARED WITH 1882-83 WAS AS 119½ TO 140.

11. THE PERMANENT ESTABLISHMENT IN 1883-84 COST RS. 16391 AND IN 1881-82 RS. 16,229, THOUGH THE OUTTURN IN THE LATTER WAS ALMOST DOUBLE THAT OF THE FORMER YEAR.

12. THERE IS A MANIFEST REDUCTION IN THE COST OF WORKING OF LATE YEARS WHICH HAS NO DOUBT RESULTED FROM PRACTICAL EXPERIENCE AND THOUGH THE PLANT OF THE SHOPS IS SAID TO BE A GREAT DEAL OF IT IN NEED OF RENEWAL, AND MUCH INCREASE TO CAPITAL MUST THEREFORE BE CONTEMPLATED, WORKING EXPENSES MAY BE EXPECTED, I WAS TOLD, TO STILL FURTHER BE REDUCED. THE GENERAL SUPERINTENDENT GAVE IT AS HIS OPINION THAT THE CHARGES GENERAL OF LAST YEAR, WOULD SUFFICE IN THIS YEAR FOR DOUBLE THE OUTTURN AND THAT HAD THE OUTTURN BEEN 2 LAKHS INSTEAD OF RS. 1,19,500, THE CENTAGES WOULD NOT IN THE YEAR UNDER NOTICE HAVE AVERAGED MORE THAN 25 PER CENT ON COST OF WORK, INSTEAD OF 48 PER CENT AS THEY HAVE. THE FALLING OFF OF ORDERS UNDER THE PRESENT RESTRICTIVE SYSTEM MAY, WHEN THE ABOVE INCREASE TO CAPITAL TAKES PLACE, FORCE UPON THE SHOPS SUCH CENTAGES AS WILL MAKE THE COST OF WORK DONE FOR GOVERNMENT EXORBITANT, AND

AND THE CONSEQUENCE MUST BE EITHER THE CLOSING OF THE SHOPS ALTOGETHER OR THE REOPENING THEM TO THEIR FORMER EXTENT.

13. JUDGING FROM THE PRESENT WORK DONE BY THE SHOPS, AND THE ORDERS WHICH ARE REGISTERED, IT IS DIFFICULT TO UNDERSTAND UNDER WHAT RESTRICTION (WITH REFERENCE TO G.O. NO. 2488 W. OF 25TH. SEPTEMBER 1882, AND 1494 W. OF 16TH. JUNE 1884) THE DIVISIONAL OFFICERS HOLD THEMSELVES AT PRESENT. EXCEPT AS REGARDS MADRAS ITSELF THERE CAN BE VERY LITTLE PRETENCE OF TESTING PRIVATE ENTERPRISE, AND IT IS STATED BY THE GENERAL SUPERINTENDENT THAT AS REGARDS PRIVATE ENTERPRISE IN MADRAS HE HAS OCCASIONALLY HAD WORK PROFFERED BY THE TRADE. LARGE LOCAL ORDERS ARE CERTAINLY COMING IN, FOR WORK WHICH IT IS PRESUMED CANNOT BE DONE ELSEWHERE. SO LONG PERHAPS AS THE GOVERNMENT WORKSHOPS EXIST THERE CAN HARDLY BE HOPE OF FRESH AND INDEPENDENT PRIVATE CAPITAL EMBARKING IN THE SAME LINE OF BUSINESS, AND THE ONLY WAY TO SERIOUSLY INVITE SUCH CAPITAL OR TEST PRIVATE ENTERPRISE WOULD BE TO FINALLY CLOSE THE GOVERNMENT SHOPS.

14. MEANWHILE THERE ARE APPARENTLY NO OTHER MEANS IN MADRAS OF GETTING CERTAIN HIGH CLASS WORK DONE, EITHER FOR GOVERNMENT OR FOR THE PUBLIC (IN WHICH LATTER THE SHIPPING IS OF COURSE INCLUDED) THAN THE GOVERNMENT WORKSHOPS AND WORK DONE THERE IS COSTING VERY MUCH MORE THAN IT WOULD COST IF THE SHOPS HAD THEIR FULL WORK, WHICH THE

GENERAL

GENERAL SUPERINTENDENT SAYS WOULD BE ABOUT 2 LAKHS OF OUTTURN A YEAR, AND WHICH COULD BE EXPECTED FROM GOVERNMENT DEPARTMENTS ALONE.

15. THE GENERAL SUPERINTENDENT'S OFFICE WAS EXAMINED AND FOUND TO BE IN GOOD ORDER IN EVERY RESPECT.

(SIGNED) H. RAINIER.

MADRAS, } DY. EXAMINER P. W. ACCOUNTS.
19TH, SEPTEMBER 1884}

(TRUE COPY.)

HONY. ASST. EXAMINER P. W. ACCOUNTS.

ch
12-9

34. 12/9

129

PRESIDENCY PUBLIC WORKS WORKSHOPS,
Madras, 20th September 1884.

No. 819 W.

2798
36

From
THE GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS,

To
THE Superintending Engineer
1st Circle
Madras.

SIR,

Enclosures.

With reference to your No 2345, dated 17th Instant, I have the honor to report that the Mortar Mill has been condemned by the Executive Engineer of Ganjam, and, could not therefore, be issued to any other Public Works Division or to the Harbor Works. The Mill was formerly used for grinding Coke in the Public Works Workshops, but is not now required for any purpose, and I beg to suggest that it be transferred to the Public Works Stores, where arrangements will be made for selling it by Auction.

2 The Weighing Machines are serviceable, and it is probable that they can be utilized in the Public Works Stores & Workshops, for the present I would recommend that

they

they be transferred to the Public Works Stores

I have the honor to be
Sir,
Your most obedient Servt

W C Baddeley, Captain RE
Genl. Superintendent, P.W. Workshops

B
20/9

2798/37

37

p. 11

821

No. 2691

Forwarded to the Chief Engineer P.W. Department with reference to his Memorandum No. 1544 C dated 16th September, 1884.

Hew L. Prendergast Col. R.E.
Superintg. Engr.
5th Circle

12 October 1884

Cir: 1/11/84

Public Works Workshops.

From
The General Superintendent,
P. W. Workshops,
Madras.

To
The Supdg. Engineer
V Circle
Madras

No. 819 W.

Dated 20th Septr. 1884.
Despd. 20 October
Recd.

No. of Enclosures ✓

Subject

Reports on the Mortar Mill & Weighing Machines of the P.W. Workshops which are suggested to be sold to the P.W. Dept. to the State Railways or the Harbour Works Madras.

2798/38

S.a.w.

It will be sufficient, I think, to draft for W's approval an order to the effect that the "old mortar machine" & "weighing machines" may be transferred to the stores as proposed, and disposed of as soon as opportunity offers. And that it is unnecessary at present to modify the restrictive orders regarding the workshop operations, the effects of which have not as yet been sufficiently tested.

The O.O.s marginally quoted by you on C's letter have been communicated to him & dispose of his remarks in paras 9 & 10. The point of his forwarding letter is not clear to me, as the subject of the retention &/or closure of the workshops has been formally dealt with but recently.

C.S.
22-10-84

38

2798 W

PUBLIC WORKS DEPARTMENT.

2798/39

THE MADRAS GOVERNMENT.

Under date the 8th November 1884

Read the following

1. – (H.E. No: 85 W of 13th Sept 1884)

(" " 2691 dd 12th Octr. 1884)

With his letter above recorded, the Examiner P.W. Accounts submits the Annual Accounts of the Presidency Public Works Workshops for the year 1883-84.

2. The liabilities during the year amounted to Rs 134,080 while the assets were

p 10

No 2691

Forwarded to the Chief Engineer P.W. Department with reference to his Memorandum No 1544 C dated 16th September 1884.

Heath Prendergast Coll. R.E.
Superintg Engineer
5th Circle
12 October 1884

Cir: 1/11/84

General
[illegible]
No 2798 W

PUBLIC WORKS DEPARTMENT.

2798/39

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 8th November 84

READ the following

From
The Examiner P.W. Accounts – (H.C. No: 65 W of 13th Sept 1884)
" The Supt Engineer V. Circle (" " 2691 d/ 12th Oct 1884)

With his letter above recorded, the Examiner P.W. Accounts submits the Annual Accounts of the Presidency Public Works Workshops for the year 1883-84.

2. The liabilities during the year amounted to Rs 134,080 while the assets were

39

1,32,194: showing a net loss on the years transactions of ₨ 1,886.

3. The outturn of the year was ₨ 1,19,506, against ₨ 1,39,937 in 1882-83, and ₨ 2,34,363 in 1881-82. The fall off is due to the orders of Septr. 1882, restricting the operations of the Workshops.

4. The condemned Mortar Mill, and the weighing machines now in the Workshops, may be transferred to the Public Works Stores as proposed by the General Superintendent, and disposed of when opportunity offers.

2798/40

5. Adverting to para 9 of the Examiner's letter, it has been intimated+ in the Military Department that the Gun Carriage Factory is not in a position to undertake the work required by the Public Works Department.

+ G/ No: 1872 W of 1st Augt. /84.

6. The question as regards the pay of the General Supdt., referred to in para 10 of the Examiner's

40

letter, is also disposed of in G.O. No: 2527 W dated 14th October 1884.

7. With reference to the concluding para of the same letter, it is observed that, only in June last,+ the Government after careful consideration of the report of the Committee appointed in G.O. No: 360 W dated 9th February 1884, arrived at the conclusion that the experiment of restricting

+G.O. No: 1494 W of 16th June 1884.

2798/A1

the operations of the Workshops had not lasted sufficiently long, & that it should be continued for the present. ~~At this early date,~~ The Government are not prepared to ~~have no desire~~ to ~~to~~ investigate the question again, after so short an interval.

CW
27.10.84

W
1.11.84

DC
18/11

S.E. T Circle
Ex: MO accounts
with copy of G.O. No 1472 W of 1.8.84

CW

No. 1544. C d/ 16-9-84
- 2527 W d/ 14-10-84
G.O. 2503. W d/ 6-9-83
- 2248 W d/ 12-9-84
- 2242 W d/ 12-9-84
- 1966. W d/ 11-8-84
- 1872. W d/ 1-8-84
- 1494. W d/ 16-6-84
- 360. W d/ 9-2-84
- 2488 W d/ 25-9-82
- 2064. W d/ 12-8-82
- 1763. W d/ 11-7-82
No. 221. E d/ 10-6-82
G.O. 711. W d/ 18-3-82
- 2054. W d/ 30-8-80

~~Hon. H. E. Sullivan~~

7 NOV 84

2798
A2

142

Cir: 1/10/84

8211

Govt. of (1884) Madras.

PUBLIC WORKS.

42 1/11

Dated

Recd.   Enc.

279

G.O.   1884, No.

$\frac{60}{3}$