(1) பக்கங்களின் எண்ணிக்கை 30

(2) புதுக்கித் திருப்பிய நாள் 1/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2068

அச்சகம்
பலவகை

நாள் : 1 — 8 — 1885 ~~198~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

2868/1

9TH OCTOBER 1888, No. 3176 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 22nd September 1888, No. 1738 G.D.

With reference to the correspondence ending with my No. 723, dated 17th June 1887, I have the honor to inform you that the Rajahmundry "ferry steamer" has now been sent down by the Indian Marine Department and has to be put together at the Public Works Department Workshops, Dowlaishweram, under the immediate direction of an officer of the Indian Marine who has been sent for the purpose.

2. It is quite impossible to now frame an estimate of the work to be done, and I have therefore the honor to request sanction of Government to the outlay in bringing the parts from Cocanada and going on with construction by the workshops without an estimate or previous payment till a somewhat trustworthy estimate can be framed.

No. 88 E.W.

Transferred to the Chief Engineer, Public Works Department, for disposal.

CHEPÂK,
3rd October 1888.

(Signed) H. R. MEAD, Colonel, R.E.,
Chief Engineer for Irrigation.

ORDER—dated 9th October 1888, No. 3176 W., Public Works.

The expenditure incurred in conveying the Godávari ferry steamer from Calcutta to Cocanada, and in putting the parts together at the Dowlaishweram Workshops, will be passed in anticipation of sanction to an estimate.

2. The Superintending Engineer will, as soon as practicable, submit a complete estimate for the steamer, including dockyard and all other charges from commencement to completion of the work.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. J. Henrious.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated October, 9th.

Recd. *Encl.*

G.O., 9th Oct. 1888, No. 3176 W.

OCTOBER.

Godavari Ferry Steamer

Expenditure incurred in conveying the — from Calcutta to Cocanada and in putting the parts together at the Dowlaishweram Workshops, passed in anticipation of sanction to an estimate.

2018/12

25th May 1886, No. 371 I., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From Captain C. C. RAWSON, R.E., Executive Engineer, in charge Government Workshop division, Dowlaishweram, to the Superintending Engineer, I Circle, dated 1st March 1886, No. 434.

I have the honor to submit, herewith, an estimate, amounting to Rs. 1,30,000, for expenditure during the year 1886-87, and to request that you will kindly obtain sanction of Government to it.

2. The result of the operation of the shops during 1886-87 will be as shown below :—

	RS.
Probable expenditure ...	1,30,000
Decrease to Capital ...	15,000
	1,45,000
Probable receipts ...	1,50,000
Deduct estimated profit ...	5,000
	1,45,000

Endorsement on the above.

No. 2566 G.D.

Copy, together with the estimate, submitted to the Chief Engineer for Irrigation, for sanction.

Dowlaishweram,
8th March 1886.

(Signed) S. C. CLARKE, Major, R.E.,
Superintending Engineer, I Circle.

Office note from the Examiner of Public Works Accounts, dated Madras, 23rd March 1886, No. 960.

Your office note, No. 62, dated 18th March 1886.

According to the proposals made in my letter to the Secretary to Government, Public Works Department, No. 125 W., dated the 25th February 1886, the system hitherto adopted by sanctioning an annual lump sum estimate for the workshops will have to be discontinued, and, like an ordinary division, the workshops will have to be provided with budget grants from Provincial Funds according to the requirements of the Executive Engineers under the following items of expenditure :—

1. Original Works, Civil Buildings—Addition to block.
2. Repairs, Civil Buildings—Repairs to block.
3. Establishment—Sanctioned permanent establishment.
4. Tools and Plant—Purchase and repairs of machinery and plant.

Office note from the Examiner of Public Works Accounts, dated 17th April 1886, No. 61.

Read again—
Proceedings of Madras Government, dated 30th March 1886, No. 858 W., Public Works.

Order—dated 25th May 1886, No. 371 I., Public Works.

The modified system of accounts proposed by the Examiner of Public Works Accounts, and sanctioned in G.O., No. 858 W., dated 30th March 1886, for adoption in the Presidency Public Works Workshops will, with the modifications shown below, be introduced in the Dowlaishweram workshops from the 1st April 1886; and as the latter shops are classed under Imperial, in accordance with the orders noted in the margin, the approval of the Government of India will be obtained to the adoption of the new procedure.

Paragraph 6 of the note by the Accountant-General, Public Works Department, communicated with the Proceedings of the Government of India, No. 8-9 A.I., dated 17th January 1882, printed with G.O., No. 149 I., dated 21st February 1882.

Government of India letter, No. 30 A.I., dated 9th February 1883, printed with G.O., No. 194 I., dated 2nd March 1883.

2. Charges on account of—
(1) Additions to the workshop buildings;
(2) Repairs to them;
(3) Sanctioned permanent establishment of the workshops;
(4) Purchase and repairs of machinery and plant and loss on the operations of the year, if there be any;

will be debited to the Revenue account of the Godávari delta under—
I-A. Extensions and improvements.
I-B. Maintenance and repairs.
II. Establishment.
III. Tools and plant respectively.

In consideration of these debits, the percentage hitherto charged on the value of work turned out in the workshops for the delta will be discontinued, and such work will be billed for at cost price, *plus* a small percentage to meet general and contingent charges of manufacture, the rate of percentage being fixed by the Executive Engineer in charge of the workshops, and approved by the Superintending Engineer. For all other works an additional charge of 25 per cent. will be made, and the Superintending Engineer will report at the end of 1886-87 whether this percentage may be increased or reduced. As the entire charges for establishment and tools and plant will be debited to the delta, the proceeds of the percentages need not be split and credited to different heads of account as proposed by the Examiner of Public Works Accounts, but they will be treated as revenue derived from the workshops, the net profit being credited to the Revenue account of the delta.

3. The estimates prepared by the officer in charge of the workshops will be binding for works other than delta works. For delta works the estimates will be treated as indicating only the probable liability, the eventual charge being made in accordance with paragraph 2 above. The recovery of payments for work done will be made under the rules in paragraphs 2283 A. to E. of the Public Works Code.

4. The credits and debits to the account "Workshops manufacture suspense" will be a suspense head under the Capital account of the delta.

5. The Superintending Engineer estimates receipts and expenditure in the workshops during the current official year at Rs. 1,50,000 and Rs. 1,30,000 respectively, the details of the latter being as shown below:—

	RS.	RS.
Revenue Account.		
I-A. Extensions and improvements	...	
I-B. Maintenance and repairs	...	
II. Establishment	10,500	
III. Tools and plant	4,500	15,000
Capital Account.		
IV. Suspense account	1,15,000	1,15,000
Total ...		1,30,000

2068
7

The estimate of receipts will, with reference to the modified system, be reduced to Rs. 1,20,000, of which Rs. 5,000 will be credited to the Revenue account of the delta as the net profit of the workshops, and the balance Rs. 1,15,000 will adjust the expenditure on materials and wages of artificers, &c., which will be charged to the suspense head. The Government of India will be requested to sanction an additional grant of Rs. 15,000 for the Godávari delta, under Irrigation, 41. Major Works (Working Expenses), to cover the estimated expenditure on establishment and tools and plant of the workshops.

6. In the current year's budget estimates Rs. 10,000, being the estimated decrease to the Capital of the Dowlaishweram workshops, are deducted from the grant for tools and plant under Capital Expenditure on Public Works (not charged against Revenue), 48. Irrigation. The Government of India will be requested to increase the grant under this head by Rs. 10,000, as, under the modified system of accounts, there will be no credit to tools and plant for decrease to Capital.

7. The Examiner of Public Works Accounts will furnish the officer in charge of the workshops with the forms proposed for adoption and with such detailed instructions as may be necessary.

8. Ordered that the following letter be sent to the Government of India:—

(Here enter No. 372 I., dated 25th May 1886.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. P. L. Pereira.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of (1886) Madras.

PUBLIC WORKS.

Dated May, 25th.

Recd. *Encl.*

G.O, 25th May 1886, No. 371 I.

MAY.

Dowlaishweram Workshops

Orders introducing a modified system of accounts in the — from 1st April 1886, subject to approval by the Government of India.

2068/4

25th May 1886, No. 372 I., Public Works.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Letter—from

Colonel J. O. HASTED, R.E.,
Joint Secretary to the Government of Madras,
Public Works Department,
Irrigation Branch,

To

The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department,
(Irrigation).

Sir,

Proceedings of Madras Government, dated 30th March 1886, No. 858 W.
Proceedings of Madras Government, dated 25th May 1886, No. 371 I.

In forwarding herewith copies of the Proceedings of Madras Government noted in the margin, I am directed to request that the approval of the Government of India to the introduction in the Dowlaishweram workshops from 1st April 1886 of the modified system of accounts proposed by the Examiner of Public Works Accounts, in accordance with paragraph 5 of your letter, No. 277 A.G., dated 30th October 1885, may be communicated, and that sanction may be accorded to an additional grant of Rs. 15,000 required for the Godávari delta under Irrigation, 41. Major Works (Working Expenses), to cover expenditure on establishment and tools and plant in the workshops, and also to a sum of Rs. 10,000 under Capital Expenditure on Public Works (not charged against Revenue), 48. Irrigation, to meet the requirements of the Godávari delta under Tools and Plant.

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

(Signed) J. O. HASTED, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

Fort St. George,
25th May 1886.

Exd. P. L. Pereira.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of 1886 Madras,

PUBLIC WORKS.

Dated May, 25th.

493 I of 13/7/86

Recd. *Encl.*

25th May 1886, No. 372 I.

MAY.

Dowlaishweram Workshops

Approval of the Government of India requested to the introduction of a modified system of accounts in the — from 1st April 1886, and additional grants asked for for the Godávari delta to meet requirements under Tools and Plant and to cover expenditure on establishment and tools and plant in the workshops.

2068/5

13th July 1886, No. 493 I., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following letter from Colonel W. S. TREVOR, R.E., Secretary to the Government of India, Public Works Department (Account—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 30th June 1886, No. 48 A.I.:—

I am directed to acknowledge the receipt of your letter, No. 372 I., dated 25th ultimo, asking the approval of the Government of India to the introduction, in the Dowlaishweram workshops, of a modified system of accounts.

2. In reply, I am to observe that the detailed instructions and forms issued by the Examiner of Public Works Accounts have not been submitted, but it is understood that they are those which have been tried and found to answer at the Presidency workshops. From the accompaniment to your letter it, however, appears that, with one exception, the Examiner's proposal will secure all the essential points upon which a reform was desired by the Government of India, and I am directed to communicate sanction to the adoption of the modified system suggested. The exception lies in the proposal (paragraph 5 of Examiner's letter) to open a subsidiary account, termed Sales, within the debit to budget grant, for the purpose of recording compulsory advances for work to be done. The practice in the workshop should follow the general rule of the department, and the money paid in advance should be credited to deposits.

3. The sum of Rs. 10,000 required under 48. Irrigation, Capital Expenditure not charged against Revenue, in order to meet the requirements of the Godávari delta for tools and plant must, I am to say, be provided by reappropriation from the existing grant under that head. The additional grant of Rs. 15,000 required for the delta under 42. Irrigation, Major Works, Working Expenses, is hereby sanctioned.

Order—dated 13th July 1886, No. 493 I., Public Works.

Communicated to the officers concerned for information and guidance.

2. The Superintending Engineer, I Circle, will propose transfers of funds from the existing grant for works of the Godávari delta under 48. Capital Expenditure on Irrigation Works (not charged against Revenue) to meet the amount required under Tools and Plant.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Joint Secy. to Govt. P.W.D.,
Irrigation Branch.

To the Superintending Engineer, I Circle.
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated July, 13th.

Recd. *Encl.*

G.O., 13th July 1886, No. 493 I.

JULY.

Dowlaishweram Workshops

Orders of the Government of India sanctioning the adoption of a modified system of accounts in the —, communicated to officers concerned, with remarks.

2068/6

14th June 1887, No. 1599 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following endorsement from Major C. H. P. CHRISTIE, R.E., Examiner, Public Works Accounts, dated 19th May 1887, on notes of inspection, by the Deputy Examiner, of the office of the Executive Engineer, Dowlaishweram Workshops, in March 1887 :—

The continued disregard of orders as to recovery in advance of value of work for outsiders seems to require notice (paragraph 6). On this point, however, I would invite attention to paragraphs 11, 12 and 13 of my office note, No. 126, dated 19th May 1887.

2. It seems clear that G.O., No. 1067, of 28th April 1886, did not fix any reserve limit for stock of the division, and it seems desirable that orders should be issued on this point, as also on the question of sanction for stock purchases (paragraph 7).

Enclosure.

Notes of inspection by H. RAINIER, Esq., Deputy Examiner, Public Works Accounts, Madras, of the office of the Executive Engineer, Dowlaishweram Workshops, on the 11th March 1887.

The Executive Engineer, Godávari Eastern division (at present Mr. J. E. Paul), continues to hold charge of these workshops, which are under the immediate supervision of Sub-Conductor Bennett, Supervisor.

The last inspection of the office by an Accounts officer was in February 1886 (see G.O., No. 758 W., of 22nd March 1886).

2. The requirements of the letter (paragraph 5) from the Government of India, No. 277 A.G. of 30th October 1885, have been met by bringing into force, from 1st April 1886, the system explained in G.O., No. 371 I., of 25th May 1886, under which all the expenditure of the workshops is now budgetted for in the same way as other Public Works Department expenditure. And with reference to paragraph 178 of the report which accompanied the Government of India's letter above quoted, vouchers now support charges in the accounts rendered to the central audit office, just as they do in the case of any other division.

3. The Executive Engineer remains the only drawing officer. The balance of his drawing account at the close of February 1887 was proved correct. The cash-book was checked for two months and found in order. The cash balance was counted, and agreed with the cash-book.

4. The outlay unvouched for to the central office of account was audited for three months. There was found a considerable difference between the wages of labor as actually paid and as charged to jobs month by month. This difference was traced back to July 1886 and the following figures are offered :—

Months.	Paid Wages.			Charged Jobs.		
	RS.	A.	P.	RS.	A.	P.
July 1886	1,051	15	4	1,104	1	6
August „	1,058	14	5	954	4	6
September „	1,010	12	11	881	7	6
October „	988	14	10	815	3	9
November „	904	11	8	803	7	3
December „	992	15	8	803	8	9
January 1887	930	5	2	734	8	0
February „ (not yet paid on 11th March.)	...			...		
	6,933	10	0	6,096	9	3

Thus the jobs have been short charged for labor, in the above months, Rs. 837-0-9. There was a debit to Tools and Plant, in April 1886, of Rs. 1,154 for adjustment of similar differences in 1885-86. The explanation of the above difference is as follows. Instead of charging to each job the actual wages of fitters, bellows-boys, hammermen or carpenters employed on it, and because the wages of a fitter or a carpenter, &c., may vary, it has been customary to charge jobs with all hammermen at one rate, all carpenters at another, and all fitters at another, these rates representing or pretending to represent as nearly as possible the mean or average rate paid such men; but the above figures show that this scale of wages, if continued at all, requires re-arranging.

The worst effect the above difference has is to undercharge all jobs for labor, so that bills for completed jobs do not represent the full cost of the work and there is always a difference between the work book and the workshop manufacture suspense account, which there should not be.

A trial should be made of recording actual wages in the time book and allocating them to the jobs in the work book. It is believed that there will be no difficulty.

5. The delta works now bear all the cost of general charges, for it is incorrect to suppose that the 25 per cent. charged to other than delta works has anything to do with general charges. The only centage charge levied on jobs for the purpose of covering general charges is the 10 per cent. added to the cost of jobs for the delta works, and although this 10 per cent. is found to much more than suffice,* it only proves that, in charging other than delta works also, a considerable reduction in the centage is possible, especially if applied all round. The Executive Engineer should fix a sufficient centage on *all* jobs, to as nearly as possible balance the general charges. The rate might be based upon the ratio of the general charges to the total cost of jobs during the last six months.

* *January* 1887.	RS.	A.	P.
General charges..	311	14	5
10 per cent. on delta works jobs	609	0	7

6. At the end of January 1887, Rs. 670 was outstanding as due to the shops from private individuals for jobs done. Rs. 65-8-0 is due from Mr. Somers-Eve in 4 items, dated August, September, November and December 1886; Rs. 19-15-0 is due from Mr. Handcock; Rs. 28-2-0 from Mr. Hughes, and Rs. 92-13-0 from Mr. G. T. Walch for work done in December 1886; Rs. 18-12-0 from Mr. Thomson for October 1886, Rs. 152 from Rev. J. English, and there are 23 other small items. These should all be recovered at once, and the rules (*vide* Code paragraph 1904 and directions at back of form No. M 7 W.) requiring prepayment for all jobs for municipalities or private parties should now be observed. These rules have been perseveringly called attention to in audit notes and objectionable items statements from the central audit office without success.

7. The stock of the shops at the end of February 1887 is valued in the books at Rs. 71,797-9-4. There is said to be sanction for Rs. 50,000 of stock in G.O., No. 1067 W., of 28th April 1886, but this is doubtful.

The stock comprises—	RS.	A.	P.	RS.	A.	P.
Small stores				4,855	2	9
Metals				21,139	3	3
Painters' stores				460	2	11
House fittings				4	11	4
Miscellaneous				7,432	14	8
Timber—						
Pegu logs	4,479	14	4			
Godávari logs	764	6	6			
„ new half-wrought	6,515	4	7			
„ old	25,953	8	2			
Bandar logs	54	10	8			
Marjoty logs	15	7	1			
„ half-wrought	23	1	2			
Rosewood	0	8	0	37,806	12	6
Fuel				98	9	11
				71,797	9	4

It is not known exactly in the shops what portion of the above detailed timber can be regarded as serviceable, but this should be ascertained by a careful early examination, and the result reported to the Superintending Engineer (see Code paragraphs 1718 and 1719). The orders of Government are desirable whether Code paragraph 1669 is applicable to this as well as to the Presidency Stores division. At present purchases of stores do not seem to be covered by any sanction, and there have been large purchases of Godávari timber.

8. The stores accounts are in order, and the stock is now under constant verification.

9. The accountant has been doing the work of the bill writer, in addition to his own duties, since November 1886. It is generally desirable that the accountant should be free of outside work, so that he can have no excuse for bad or dilatory accounts.

10. The office is in good order.

ORDER—dated 14th June 1887, No. 1599 W., Public Works.

Communicated to the Superintending Engineer, I Circle, for the information of the Executive Engineer in charge Dowlaishweram Workshops.

2. The question as to the expediency of modifying existing orders with respect to the recovery in advance of the value of work undertaken for Local bodies or private parties, will be considered separately.

3. The Superintending Engineer, I Circle, should apply, through the Chief Engineer for Irrigation, for sanction to a fixed limit of reserve stock to be maintained in the workshops; and the Superintending Engineers, I and V Circles, will submit their views on the subject of paragraph 7 of the inspection notes, with respect to the Dowlaishweram and Presidency workshops, respectively.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
„ „ „ V „
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.

Exd. E Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1887) Madras.
PUBLIC WORKS.

Dated June, 14th.

Recd. Encl.

G.O., 14th June 1887, No. 1599 W.

JUNE.

Inspection Notes

Orders on the — on the office of the Executive Engineer, Dowlaishweram Workshops, submitted by the Examiner, Public Works Accounts.

B/

No. 2162 W 2068/8

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17th July 18

READ the following

Office Note from the Examiner P.W. A/cs No. 1780 of 28 June 1888 submitting with remarks, notes of inspection by the Dy. Examiner of the office of the Executive Engineer, Dowlaishweram Workshops.

Communicated to the Supdg. Eng. I Circle for the information and guidance of the Ex. Engineer Dowlaishweram Workshops.

2. The report will be forwarded in original to the Supdg. Engineer who will return it with the Ex. Engineer's replies to the several points noticed in the Examiner's summary as requiring explanation.

3. The attention of the Supdg. Engineer is drawn to the omission to communicate to the Ex. Engineer the orders on the previous inspection report G.O. No. 1599 W. of 14 June 1887

4. The Supdg. Engineer will report on the subject of item 12. With respect to item 13, it is observed that the question of modifying the rules regarding recovery in advance of the cost of jobs undertaken in the Shops for outsiders, is under consideration+; but meanwhile the rule should be observed.

5. The matter reported in item 26 should receive the Supdg. Engineer's early personal attention.

9.7.88

13/7/88

1599 W - 14-7-87
493 I - 13-7-86
371-2 I - 25-5-86

(3)

+ Office with the Secy. P.W. Dept.
No. 203 C d/ 16.1.88.

No. 2113 W d/ 17th July

17

To The Supdg. Engr. I Circle
with report in orig.
Examine & Bwd.

283/A

Notes of the Inspection by H. Rainer Esquire of the Office of the Superintendent Dowlaishweram Workshops, at Dowlaishweram on the 4th and 5th March 1889.

Mr. J. E. Paul, Executive Engineer, Godaveri Eastern Division, is the Superintendent and M. R. Ry. Balasundrum Pillay the Accountant. The office was last examined by an Accounts Officer in March 1888.

2. With reference to para 10 of last report the accountant was from 1st April 1888 relieved of the duty of keeping the Cash Book.

3. Fitting new steamer for Rajahmundry Ferry. There is no estimate for this but the outlay in the workshops is expected to be Rs. 10,150-0-0. Contractors have supplied 604 Cubic feet of timber of which only that portion paid for namely 250 Cubic feet, has been brought to account. The stock purchases and sales account has not but should have been used.

4. Many of the jobs in the shops are given out to piece-workers, the Foreman of each shop having the entire arrangement with the piece worker in every case.

The Foreman of Mechanics is J. S. Joyce.
——do—— Smiths is C. Audiah
——do—— Carpenters is N. Badriah.

There is not yet any sanction for the last named, and all belong to the petty establishment. The responsibility assumed by them in regard to placing of jobs with piece-workers is probably more than has ever been formally approved by the Superintendent.

The Mechanics piece worker received
for January —— Rs 128—8—1
The Smiths ——do—— Rs 259—15—8
The Carpenter ——do—— Rs 94—12—9

There is special disadvantage in leaving arrangements of this kind to the foreman when there are no possible means of check. The piece workers work is not booked till it is finished, and there is no longer possibility of seeing men actually at work. workers engaged as above by foremen
are

are men who might otherwise be on a daily wages. All men whatever their employment, are similarly mustered those engaged on piece work being marked C - on checking several attendance rolls with the book recording piece-workers jobs, instances were found of a man being charged for a full days wages when on the same day he was fully engaged with piece work.

5. With reference to para 38 of last report the sale of timber began in April and lasted till August 1888, their being 12 sales the net result being that timber in quantity 29,996 cubic feet and value Rs 17,341—0—0 as per books was sold for Rs 2,971—0—0.

6. General Charges. With reference to para 26 of the last report embodied in G. O. No. 2163 W. dated 17th July 1888, the centage to cover general and contingent charges is levied since February 1889, on all jobs, Delta jobs inclusive and with reference to para 27 of the last report the ten percent formerly levied has with the approval of the Superintending Engineer been
reduced

reduced to 5 per cent from 1st August 1888.

During four months from August to November 1888 the revised rate of 5 per cent on outlay, to cover general charges exceeded the general charges by Rs 690—0—0. This sum added to the profit at credit of general charges up to end of July 1888 makes Rs 1979—4—6. In order to wipe off this heavy credit balance it was proposed by the Superintendent to the Superintending Engineer that no charge whatever should be made on account of general charges until such time as this balance is cleared off and this was approved by the Superintending Engineer in his No. 2367 G-D. dated 27th November 1888. Accordingly no charges to jobs on account of general charges have been made since December 1888.

The better way would perhaps have been to credit Revenue with the profit, and proceed with a percentage on jobs just sufficient to, if applied to all works — produce equilibrium between the total general charges

and

and the total of such percentage for any given period.

7. Rates for work people (conventional rate paras 29 and 30 of last report. Up to end of last year there was a considerable discrepancy from charging the wages of work people at a conventional rate instead of at the actual rate. The conventiona rate has accordingly been revised from April 1888 thus:–

	Old rate			Revised rate		
	Rs	a	p	Rs	a	p
Bellow boys	..	2	..	..	2	..
Hammer men	..	4	..	..	4	..
Smiths	..	7	..	..	7	..
Fitters	..	8	..	..	8	..
do boys	..	3	..	..	4	..
Carpenters	..	7	..	..	9	..
do boys	..	3	..	..	3	..
Lascars	..	4	..	..	4	6
Painters	..	8	..	..	8	..
Moulders	..	6	..	..	6	..
Apprentice	..	4	..	..	2	..

The effect of the change is as shown below.

	Amount charged			Amount paid		
	Rs	a	p	Rs	a	p
April 1888	1533	2	9	1413	3	9
May 1888	1959	15	6	1632	3	1
June 1888	1274	11	9	1216	9	6
July 1888	1166	11	0	1100	14	6
August 1888	1146	9	0	1051	13	0
September 1888	1081	4	6	1055	3	8
October 1888	1157	15	0	1126	11	4
November 1888	1072	7	6	1084	4	9
December 1888	846	12	0	591	6	4
January 1889	986	10	0	1004	9	5
	12226	3	..	11576	15	4

The charges to jobs being Rs 65^{5}0/- more than the actual cost, whereas before the actual cost of the la or exceeded the charges for same.

8. The service book of Conductor E. W. Bennett, Supervisor 1st Grade and Deputy Superintendent of the Workshops is kept up by the Godaveri Eastern Division.

9. The service book of Lascar John transferred from the Godaveri Eastern Division was not produced not having been received from the Eastern Division.

10. Of the matters noted in the last report, there is nothing further to say - Many of them no longer exist, and of those which do, all are having attention either locally or in Madras.

sd/ H. Rainier
Inspecting Officer

Madras
15th March 1889.

No. 568 d/ 1st May 1889

Forwarded to the Secretary to Government P. W. Department for the information and orders of Government with the accompanying summary and remarks.

2. The report seems satisfactory.

2068
5

Ex. Ans 3257W of 12-10.87 Ex. Ans 3718 of 25.5.86
" " 2463W of 17-7.88.
A " 1599W of 14-6.87
" " 4932 of 13.7.86.
" " 1723 of 25.8.86

R = 1235 W of 10th May 1889

Comd to the Supg Engr I. E. Circle for the information and guidance of the Superintendent Dowlaishweram workshops and for report by that officer.

WCH
4.5.89

Pres.
6.5.89

S.E. I Circle 16/5
with the papers in original
(to be returned)

D

3/7/5

S 13/5

Dft. 3/4/5 M 7/5 R 13.5.89

PWC No 3982

From
Major C. H. T. Christie R.E.
Examiner of P.W. Accounts

To The Secretary to Government
P.W. Department

(5)

No 568 dated 1st May 1889

R/ 2.5.89

No 1235 W of 10th May 1889

Inspection report of the Dowlaishweram Workshops Division dated 15th March 1889
—— Forwards with summary and remarks ——

With order

Ds

1463/89

Dowlaishweram Workshop Division Summary of Inspection Notes.

2083/16

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
1	3.	Want of an estimate for a job on which it is probable more than Rs 10000/- will be spent.	Note I on Form 77B Code 1785 1793.	The Executive Engineer should explain the circumstances under which the job is being carried out without an estimate.
2	3.	Failure to bring to account timber supplied by contractor	1855 1856.	The value of the whole timber should have been brought to account through the Stock Purchases and Sales accounts and the amount due to the contractor shown as a balance due in that account. The Executive Engineer should have this done and report accordingly.
3	4	Want of sanction to the employment of the carpenter foreman.	935.	The requisite sanction should now be obtained. ✓
4	4	Wages of workmen debited to labour in some instances, when the workmen were fully employed on piece work on the same day.		The foreman appears to be the proper person to give out the work, and to put a man on daily wages or piece work, but the Executive Engineer might consider whether better arrangements could not be made for preventing such mistakes. Para 108 of Chapter III Volume IV of the Government of India Code might be of assistance to him; it seems as follows.

It was quite impossible to prepare an approximate estimate for this work until the engines were handed to the Marine Dept. the Est was then prepared

This should be done [illegible]

G.O. No. 3251 W of 12-10-88 G.O. No. 37[illegible]

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
				Some of the work in the shops is done on the piece-work system, by which the terms on which a man works are altered. It is therefore desirable to distinguish, for the Time-keeper's information, between those who are working by the day and those working by the job, or on petty contract. To do this, tickets bearing the same numbers, but of different colored metals, are prepared: as brass for day-work, and zinc for piece work. A man usually working on day work, coming into the shop, is furnished with a brass ticket. If during the day the Foreman desires to place him on piece-work, he takes away the brass ticket from the space on the wall, and replaces it by a zinc ticket, - at the same time sending a note to the Time-keeper concerned, that number so-and so was placed on piece-work at such-and-such an hour. If any overpayments have been made they should be recovered.

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Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
5	5	Large loss by sale of timber amounting to Rs. 14,370.		The Government have sanctioned the write off of the loss Vide G.O. No. 3251 W dated 12th October 1888.
6	6	Jobs not to be charged with centages for general charges, until the balance at credit of this sub head owing to the previous rate being excessive, is wiped off.		The simplest plan would be to credit the balance at credit of "General charges" to Revenue at once and to reduce the percentage still further so that the debit to jobs may just cover the debits to General charges. This to be done reduce General charges by 2% – ~~[illegible]~~ so that 2% on annual outturn = General charges 1 month
7	7	Slight excess in the amount charged to jobs over that ~~actual~~ owing to conventional rates at which labour is charged to jobs.		The approximation of the $\frac{1}{12}$ fund to the actual rates seems fairly close, but the matter should be looked into occasionally by the Executive Engineer, who should take measures to ~~[illegible]~~ correct in good time any continued divergence. ✓
8	9	Failure to produce a service book owing to its not having been received from the division from which the lascar was transferred.		The Executive Engineer should report whether the service book has since been received. ✓

Madras.
1st May 1889.

23/

Major R.E.
Examiner of P.W. Accounts, Madras
4/5
CH 4/5

1/2029/8

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.

4 JUL

No. Ex 2 / 6976

2088

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5-6-89

Replies to Examiners remarks in the summary on the inspection Notes of the Workshops embodied in G.A. No. 1235 W. dated 10th May/89.

1. It was quite impossible to frame an estimate for this work until the Engines were fixed by the Engineer from the Marine Department. An estimate has however been since prepared. The work was put in hand under orders of the Superintending Engineer.

2. The work has been completed and the Contractor has been paid in final settlement of all demands (Vide C.V. No. 31 of April 1889) and no adjustment can therefore be now effected. Under the impression that this was not a bonafide stock transaction, the

account

account of Stock purchases and sales was not used. In future such transactions will be passed through the above account in Cash column under purchases.

3. The sanction of the Superintending Engineer for the acting appointment of the Carpenter Maistry has since been obtained. Vide Superintending Engr's No 3255 G.D. dated 4th March 1889. The proposal for the abolition of the post of the Carpenter Maistry has been submitted to Superintending Engineer.

4. The ticket system will be introduced if the work Men are again employed on piece work. The system of giving out works on Contract or Piecework agency has however since been abolished. There have been no over payments as the dates on which the Contracts came to a close were

were wrongly entered; a man working upon a contract is paid according to work done by him without any reference whatever to the dates of his working as a contractor.

4 Noted.

5 Rs 1723-1-0 balance at the Credit of "workshop Manufacture suspense" has been transferred to Revenue in the supplementary accounts for March 1889; and the proposal reducing centage on general charges to 2% from 1st May 1889 has been submitted to Superintending Engineer.

7 Noted

8. The Service book referred to has since been received from the Godavari Eastern Division Office.

No 106 dated 1 June /89.

The above explanations are submitted to the Supdg. Engineer 1st Circle with reference to his

his No. 480 G. D dated 20th May 1889. The enclosures are returned.

1 Inspection Notes
1 Exrs Summary

Ward 1/6/89
Executive Engineer.

No. 753 G. D.

2068/14

FROM,

Major D. McNeil Campbell R.E.

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

P. W. D.
~~FOR IRRIGATION.~~

Enclos 3

DOWLAISHWERAM, 20th June 1889

SIR,

In returning herewith the papers noted in the margin received with G. O No. 1235 W d/ 10-5-89, I have the honor to forward the Workshop Superintendent's replies thereto with the following remarks

Notes of Inspection by the Examiner of the Dowlaishwaram Workshops' Office
Summary of — Do

Item 1. The matter was disposed of in G. O. No. 3176 W. dated 9-10-88.

- Do - 2 to 4. Vide replies of Workshop Supt.

- Do 5. The subject of reducing centage on general charges will be disposed of shortly.

The remaining items do not call for any special remark.

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

D McN Campbell Major R.E.
Supt. Engr. 1st Circle

2068
15

571
4 JUL 89
ENCLOSURES
P. W. ACCOUNTS

FROM,

Major D. McNeill Campbell R.E.
SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

~~FOR IRRIGATION.~~ P. W. D.

DATED 20th June 1889
DESPATCHED 24th June 1889
RECEIVED 4/7/89
30/7/89

NO. 753 G.D.

ENCLOSURES 3 2

SUBJECT.

[illegible]

Dowlaishwaram Workshops.

Inspection Report of — by the Dy Examiner of P. W. Accounts. Returns the — with replies to the remarks made in the summary —

Workorder

No. 3044 C of 3rd July 1889

To

C

For perusal and favour of return.

W.C.B.
2.7.89

D. W.

No. 1060 of 26th July 1889

To

W.

Returned — No further remarks seem necessary.

C
26

26/7

[illegible] Aug 2 1889

B

Recorded

Recorded

W.C.B.
30.7.89

Ch

9/8.