(1) பக்கங்களின் எண்ணிக்கை 58

(2) புதுக்கித் திருப்பிய நாள் 2/90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D துறை

அரசாணை எண். / மு. கோப்புத் தாள் எண். 2671 அச்சகம் / பலவகை

நாள் : 24 — 9 — 1889 ~~198~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

29 Sheets

ஆவண. கா-1—18,006—15-6-87.

①

24TH SEPTEMBER 1889, No. 2671 W., PUBLIC WORKS.

2671

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 24th June 1889, No. 766 G.D.

With reference to G.O., No. 214 I., dated 7th May 1889, I have the honor to inform you that in my No. 463 G.D., dated 20th May 1889, I mentioned the reductions that had already been made in the expenses of the Dowlaishweram Workshops and that I was waiting till I ascertained the effect of these reductions before proposing any further cutting down of the cost.

2. I have now received a statement showing the working of the shops during the year 1888-89 together with a report from the Executive Engineer in charge, and it will be seen from these papers (herewith forwarded) that there has been a loss of Rs. 33,390 on an outturn of Rs. 74,727; but out of the former Rs. 3,000 is due to the purchase of a new boiler and Rs. 14,370 to loss by the sale of old timber; so, if these abnormal expenses be left out, the loss amounts to Rs. 16,020, which is Rs. 3,289 more than that in 1887-88.

3. The loss includes indirect charges consisting of depreciation on block and machinery, leave and pension allowance and interest on capital, amounting altogether to Rs. 8,359-1-8, and, if these charges are neglected, the loss in rupees amount to 5,661.

4. It will be observed from the Executive Engineer's report that the average yearly loss from 1879-80 to 1888-89 is Rs. 11,625; but this cannot be taken to represent the loss that is likely to occur in future years, as the work in the shops is becoming less year by year; so it is evident that, unless considerable reductions are made, the loss will become greater.

5. The reductions proposed by the Executive Engineer are as follows :—

(1) To abolish the post of Deputy Superintendent.
(2) To make the workshops a sub-division of Eastern Delta division, the accountant and one clerk being abolished.
(3) The grant for maintenance and repairs to be reduced from Rs. 1,000 to Rs. 500.
(4) Four machines, value Rs. 7,147, to be transferred elsewhere.

③

(5) Four buildings and some land, value Rs. 7,663, to be transferred to Provincial.

6. By these reductions, the Executive Engineer says an annual saving of Rs. 5,638 would be effected. I agree with all the proposals of that officer, and recommend that they be carried into effect as soon as possible. It will be seen that the saving will very nearly cover the loss of last year, indirect charges being neglected, but if these latter are to be considered still further reductions will have to be made; but I consider that these indirect charges may fairly be borne by the delta as suggested in para. 4 of Executive Engineer's letter. As the work in the shops is less than hitherto this year, and is likely to be still less in the next and following years, it is apparent that the saving of Rs. 5,638 will not be sufficient to cover even direct charges, and further reductions are therefore advisable.

7. The Godávari Delta completion project being almost completed, the chief work that will have to be done in the shops is—

(1) Repairing and renewing gearing of sluices, locks, &c., and repairing machinery of steamers and dredges.
(2) Making sluice-shutters and lock-gates and preparing wood-work for buildings.
(3) Casting standards for the anicut pintles for lock-gates and other small works.

For the first, blacksmiths' and fitters' shops must be maintained, but they may be on a smaller scale than at present and two out of the five screw-cutting lathes might be dispensed with, as well as some other machines.

The second description of work can all be done on contract; there are plenty men willing to take up all the wood-work in the shops. The post of carpenter maistry could then be abolished, and a saving of Rs. 45 a month or Rs. 540 a year effected.

The third work, viz., casting, can be done elsewhere. It is with great regret that I recommend that the foundry should be abolished; it has worked well for years and been most useful, but unless there is lots of casting work to be done for the Kistna delta, and a guarantee is given that all that work will be ordered from these shops, it is impossible that the foundry can pay its cost, and if, as I am given to understand, a foundry is being started in Bezwarah, it would be cheaper to get all castings from there. If the foundry be abolished, the direct saving would be pay of maistry Rs. 45 a month or Rs. 540 a year.

8. If the shops be reduced as suggested, the office establishment might also be reduced more than proposed by the Executive Engineer. There are at present one accountant and six clerks, and I consider that two other clerks on Rs. 30 might be dispensed with in addition to the accountant and one clerk proposed by the Executive Engineer; this would effect a saving of Rs. 60 a month or Rs. 720 a year.

9. A statement showing the indirect savings to be effected by transfer of machinery and tools and plant not required accompanies this report, and it will be noticed that it amounts to Rs. 1,525-3-4. The total saving therefore, including the reductions proposed by the Executive Engineer as well as those proposed by me, will amount to Rs. 7,869-3-4, which is not nearly sufficient to cover the total loss including indirect charges.

10. Leaving indirect charges and saving out of the question, the total loss (supposing outturn to be the same as last year) will be Rs. 5,661, and the direct saving effected by proposed reductions Rs. 6,344; there will therefore be a balance of Rs. 683 on the right side: taking into account that the outturn is likely to be less in this and future years, this would seem to be hardly a safe balance; but I agree with the Executive Engineer's remarks in para. 5 of his letter that not enough work is got out of the men, and though I do not approve of his suggestion of getting a Mechanical Engineer out from England, I believe that with better management there will be still further saving. I therefore recommend that the proposed reductions should be carried into effect and the result seen at the end of the year, and should there still be a loss, the only alternative will be to reduce the shops still more.

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Enclosures.

STATEMENT OF PROPOSED SAVINGS.

Direct Savings.

Establishment.

	Month. RS.	Annum. RS.
Pay of Deputy Superintendent including allowances ...	250	3,000
„ Accountant, 5th grade	62	744
„ 2 Clerks, 4th class, 3rd grade, Rs. 30 each	60	720
„ 1 Clerk, „ „ on	25	300
„ 1 Carpenter maistry	45	540
„ 1 Foundry maistry	45	540
Total, Establishment ...		5,844

Maintenance and Repairs.

Amount required to repair buildings	500
Total, Direct savings ...	6,344

Indirect Savings.

	RS.	A.	P.
Leave and Pension allowance at 14½ per cent. on Rs. 5,844 as above	847	6	1
Tools and Plant.			
Depreciation at 4 per cent. on Rs. 11,195–11–1, being value of tools as per separate list	447	13	3
Block.			
Depreciation at 3 per cent. on Rs. 7,663, being value of buildings to be transferred to Provincial as per separate list ...	230	0	0
Total, Indirect savings ...	1,525	3	4

N.B.—If the depreciation on the buildings that will not be required may be taken into account the following must be added :—

Depreciation at 3 per cent. on Rs. 10,714–12–3, being value of buildings not required, Rs. 321-7-1; bringing total indirect savings to Rs. 1,846–10–5.

(Signed) D. McN. CAMPBELL, Major, R.E.,
Superintending Engineer, I Circle.

List of buildings which it is proposed to transfer to Provincial or which will not be required.

To be transferred to Provincial.

	RS.
Deputy Superintendent's quarters	730
Overseer's quarters	730
Dry dock	2,738
Office building	1,095
Land taken up for safety of shops	2,370
Total ...	7,663

Not required.	RS.	A.	P.
Carpenters' shop	1,337	15	0
Timber shed	885	4	8
Second timber shed	461	3	10
Third timber shed	354	1	10
Saw-pit shed	1,150	14	0
Foundry	3,541	2	9
Plate-bending machine shed	2,994	2	2
Total ...	10,714	12	3

(Signed) D. McN. CAMPBELL, Major, R.E.,
Superintending Engineer, I Circle.

LIST of Surplus Machinery and Tools and Plant.

Number or quantity available.	Name and description of articles.	Value. RS.	A.	P.
1	Lathe, screw-cutting, 12″	1,290	3	10
1	Do. do. 13″	706	2	0
40	Augers, screw, 1″, ⅞″ and 1¼″	19	2	8
100	Do. shell, 1″, ⅞″ and 1¼″	64	1	0
10	Crucibles, plumbago, 14″ × 9″	103	6	2
35	Chisels, mortice, ⅛ × ¼	10	15	0
12	Do. turning	3	0	0
40	Do. gouge socket and socket gouges ...	17	8	0
8	Do. gouge	2	2	8
1,500	Files of sorts—square, flat, round, half-round, knife-edge and triangular from 6″ to 16″ ...	750	0	0
40	Gimlets	25	0	0
2	Gouges, mortice	3	2	8
12	Irons for rabit planes	3	0	0
6	Do. for moulding planes	1	8	0
6	Pincers, new	5	10	0
4	Planes, plough with irons	25	0	0
15	Do. trying	35	2	6
180	Do. bead	337	8	0
70	Do. smooth	177	3	0
4	Do. heel	8	8	0
2	Do. iron-faced	29	0	0
15	Do. jack	29	1	0
7	Pliers, cutting	7	14	0
1	Screw-plate, 8″ with 10 taps	4	4	0
1	Do. 3″ with 6 taps	2	4	0
2	Saws, key-holes	1	0	0
2	Do. for cutting screws	5	0	8
20	Do. ripper	36	12	4
20	Saw blades	4	14	4
1	Stocks with dies, taps and handle, from 2¼ to 2¾ set	75	0	0
3	Do. do. from 1½ to 2¾, without handles	180	0	0
3	Stones, grinding, 48″ diameter	84	0	0
1	Plate-bending machine	3,118	14	3
1	Screwing machine	138	3	10
1	Slotting machine	837	6	3
1	Saw machine	3,053	12	11
	Total ...	11,195	11	1

(Signed) D. McN. CAMPBELL, Major, R.E.,
Superintending Engineer, I Circle.

From J. E. PAUL, Esq., Executive Engineer in charge, Government Workshop Division, Dowlaishweram, to the Superintending Engineer, I Circle, dated Dowlaishweram, 27th May 1889, No. 90.

I have the honor to forward the annual report on the working of the Dowlaishweram Government Workshops for 1888-89.

2. From the "Profit and Loss account" it will be seen that there has been a loss of Rs. 33,390 on an outturn of Rs. 74,727; this loss can partly be accounted for by the cost of the purchase of a new boiler for the workshop engine at a cost of Rs. 3,000 and by the loss on the sale of old timber, which had accumulated for the last ten years; this loss amounts to Rs. 14,370. The profits realised come to very little more than half the direct and indirect charges of establishment.

3. The conclusion then that must be arrived at is that considerable reductions are necessary and I append below a list of proposals.

4. It must, I think, be admitted that for many years to come it will not be possible to keep the irrigation works in repair without the assistance of the workshops, and for the great convenience of having the shops available for the repairs of lock and sluice gearing, the delta is willing and able to cover, say, the indirect charges.

(3)
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5. From the statement of outturns and losses from 1879-80 to 1888-89 the following points require notice, the average yearly outturn is Rs. 1,14,058, the average annual loss is Rs. 11,625; in 1880-81, 1886-87 and 1888-89 there were heavy losses appertaining to stock; these losses were principally due to placing on to stock at reduced rates the refuse wood from work on the hopes that it might be after worked up; in practice it was found that it remained in the yard, until it was nearly worthless, and then at last it was sold for what it would fetch. Timber is now being purchased for each work ready sawn, and so there is no probability of further loss on timber; Mr. Vanstavern is now taking stock and systematically arranging the metals and the rest of the stock. I do not anticipate loss on these.

6. I am confident that considerable loss is due to the fact that not enough work is got out of the men, and I would strongly recommend that a young Mechanical Engineer, who has served his time in English shops, should be brought out from England.

7. The reductions that I suggest are:—

(1) That the Deputy Superintendent's post be abolished and that Conductor Bennett be transferred.

(2) That the workshops be actually made a sub-division of the Eastern division as is the case at Bezváda, and that the posts of accountant and one clerk on Rs. 20 be abolished.

(3) That the grant of Rs. 1,000 for maintenance and repairs be reduced to Rs. 500.

(4) That the following machinery—

	RS.
One sawing machine	3,053
One screwing machine	138
One slotting machine	837
One plate-bending machine	3,119

be transferred from the shops and the indirect charges removed.

(5) That the following buildings, &c.—

Deputy Superintendent's quarters	730
Overseer's quarters	730
Dry dock	2,738
Office buildings	1,095
Lands taken up for the safety of shops	2,370

be transferred to Provincial, as all these buildings and the land are actually used by the Eastern division. If these proposals should be carried out, an annual saving of Rs. 5,638 will be effected.

REVENUE or Profit and Loss account of the Dowlaishweram Workshops during the year, 1888-89.

Receipts.		Amount.	Charges.		Amount.
Profits.		RS. A. P.	DIRECT CHARGES.		
A—Provincial		496 2 10	*Working Expenses.*		RS. A. P.
Irrigation.			Repairs and maintenances ..	.. ..	952 11 0
B—Profits	RS. A. P.	..	Extensions and improvements ..	.. ..	221 14 2
C—Casual rent of buildings ..	287 6 7	..	Establishment	.. ..	10,510 11 11
D—Sale of old materials ..	58 5 6	..	*Tools and Plant.*	RS. A. P.	
		345 12 1	New supplies—Repairs and carriage ..	5,594 1 9	
E—Loss ..		33,390 3 8	Loss	8,593 9 8	
			INDIRECT CHARGES.		14,187 11 5
			Depreciation.		
			Block at 3 per cent. on Rs. 30,271-2-3.	908 2 2	
			Machinery and plant at 4 per cent. on Rs. 25,896-4-1	1,035 13 7	
					1,943 15 9
			Leave and pension allowances at 14 2/7 per cent. on Rs. 10,510-11-11 ..	1,501 8 7	
					1,501 8 7
			Interest on capital at 4 per cent. of Rs. 1,22,839-9-7	..	4,913 9 4
Total ..		34,232 2 2		Total ..	34,232 2 2

REMARKS—The great loss is partly due to Rs. 14,370-7-0 ordered to be written off to tools and plant—*vide* G.O., No. 3305 W., dated 17th October 1888.

Profits realized during the year, viz., Rs. 6,619-4-10, were taken as a set-off against the above amount.

(Signed) J. E. PAUL,
Executive Engineer

Dowlaishweram Workshops Division.

Account of Direct Receipts and Charges for the official year 1888-89.

Receipts.	Amount. RS. A. P.	Charges.	RS. A. P.	Amount. RS. A. P.
Cash balance, 1st April 1888	141 11 10	1. Payments into treasury		6,455 11 10
Cheques of Public Works Department officers	56,279 10 2	2. Civil department		609 12 0
State Railways (stores supplied from Railway Department)	538 8 6	3. Transfers, Divisional		67,086 15 0
Transfers, Divisional	14,981 14 5	EXPENDITURE AGAINST PROVINCIAL GRANT.		
Provincial revenue receipts	496 2 10	*Suspense heads.*		
Irrigation and navigation direct receipts ..	345 12 1	4. Stock purchases and sales	190 8 9	
Income-tax	173 14 6	5. Stock	−30,710 6 4	
Deposits	1,617 9 8	6. Miscellaneous advances.	246 5 [illegible]	−30,273 8 6
		EXPENDITURE ON PRODUCTIVE PUBLIC WORKS.		
		REVENUE ACCOUNT.		
		Irrigation and Navigation.		
		Working Expenses.		
		7. Extensions and improvements ..	221 14 2	
		8. Repairs and maintenance	952 11 0	
		9. Establishment ..	10,510 11 11	
		10. Tools and plant ..	14,187 11 5	25,873 0 6
		51.—IRRIGATION AND NAVIGATION.		
		Tools and Plant.		
		11. Workshop manufacture suspense ..		173 15 1
		12. Deposits, ordinary		3,829 2 7
		13. Cash balance		720 3 6
Total ..	74,475 4 0	Total ..		74,475 4 0

DOWLAISHWERAM,
27th May 1889.

(Signed) J. E. PAUL,
Executive Engineer.

STATEMENT showing the cutturn and loss from the year 1879-80 to 1888-89.

Year.	Outturn.	Profit or Loss	Remarks.
1879-80	89,469	22,774	
1880-81	78,319	21,296	Rs. 11,149 were written off to profit and loss being the difference between book value and actual sale-proceeds of manufactured articles.
1881-82	80,671	7,755	Improved results owing to change of administration ordered in G.O., No. 3079 W., dated 12th December 1881, saving of pay of Superintendent Rs. 1,200, and charge of interest reduced from 5 per cent. to 4 per cent.
1882-83 *	126,255	3,110	
1883-84 *	133,385	−10,379	
1884-85 *	185,697	7,223	Rs. 18,000 charged off to reduce the value of block—G.O., No. 408 W., dated 20th February 1885.
1885-86 *	183,330	1,482	Loss appertaining to stock transactions ordered in G.O., No. 3348 W., dated 18th December 1886, and No. 186 I., dated 15th March 1887, Rs. 25,004.
1886-87 *	86,582	15,624	
1887-88 *	102,151	13,982	
1888-89 *	74,727	33,390	Loss by sale of old stock (G.O., No. 3305 W., dated 17th October 1888) Rs. 14,370.
Total ...	1,140,586	116,257	
Average for ten years.	114,058	11,625	

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* Interest on capital and leave and pension allowances have been included in loss—see G.O., No. 4 I., dated 5th January 1883.

DOWLAISHWERAM,
25th May 1889.

(Signed) J. E. PAUL,
Executive Engineer.

(A)

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STATEMENT showing the savings that would be effected by proposed reduction of establishment, &c.

Particulars.	Per Month. RS.	RS.	Per Annum. RS.
Establishment.			
Pay of Deputy Superintendent including allowances ...	250		3,000
„ Accountant, 5th grade	62		744
„ Clerk, 4th class, 3rd grade	25		300
			4,044
Maintenance and Repairs.			
Amount required for repairs to buildings			500
Leave and pension allowances at 14⅔ per cent. on Rs. 4,044 as above			578
Tools and Plant.			
Depreciation at 4 per cent. on Rs. 7,147 as per details below			286
Saw machine		3,053	
Screwing machine		138	
Slotting machine		837	
Plate-bending machine		3,119	
		7,147	
Block.			
Depreciation at 3 per cent. on Rs. 7,663 as per details below			230
Deputy Superintendent's quarters		730	
Overseer's quarters		730	
Dry dock		2,738	
Office building		1,095	
Lands taken up for the safety of shops ...		2,370	
		7,663	
Total savings for year ...			5,638

DOWLAISHWERAM,
27th May 1889.

(Signed) J. E. PAUL,
Executive Engineer.

Office note from the Chief Engineer for Irrigation, dated Ootacamund, 24th August 1889.

Herewith file connected with proposed reductions in the Dowlaishweram Workshops.

2. Dealing with the proposals made by Superintending Engineer, I Circle, in his letter No. 766 G.D., dated 24th June 1889, *seriatim*—

1st.—I recommend the abolishing the post of Deputy Superintendent, Mr. Bennett being sent elsewhere.

2nd.—I agree with the Superintending Engineer that the workshops should be made a sub-division of the Eastern Delta division, and the special accountant and one clerk, 4th class, 3rd grade, on Rs. 30, dispensed with.

3rd.—The grant for maintenance and repairs shall be reduced in the budget for next year from Rs. 1,000 to Rs. 500.

4th.—I recommend that the plate-bending machines be if possible got rid of.

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5*th.*—I recommend that the quarters for the Deputy Superintendent (who will no longer be employed) be transferred to the Provincial list of buildings, and that the dry dock be transferred to Irrigation tools and plant as only used for repairs of irrigation plant.

6*th.*—I do not recommend that the foundry be abolished at present; it is probable that before many years have elapsed there may be extensive Railway workshops with a foundry within easy reach of Dowlaishweram and then the Public Works Department foundry may be given up.

7*th.*—I do not recommend that the carpentry maistry should be dispensed with; even if wood-work be done on contract in the shops, it will be advisable to have such a man.

3. The proposed changes might take place from commencement of next calendar year (1st January).

4. Probably the Examiner should be consulted about the first recommendation.

Office note from the Examiner, Public Works Accounts, dated Madras, 14th September 1889, No. 1523.

Your office note No. 3879 C., dated 30th August 1889.

Unless the sanctioned scale of upper subordinates is reduced by one in consequence of the abolition of the post of Deputy Superintendent, the financial effect of the proposals of the Chief Engineer for Irrigation will be only a saving of the pay, including charge allowance, of an accountant, 5th grade, and a clerk, 4th-class, 3rd grade, altogether Rs. 100 per mensem. If the number of upper subordinates is reduced by one, the saving will be Rs. 200 per mensem altogether.

2. Conductor Bennett is a Supervisor, 1st grade, and counts against the sanctioned scale (185) of upper subordinates for the Presidency.

ORDER—dated 24th September 1889, No. 2671 W., Public Works.

In forwarding a report on the working of the Dowlaishweram Workshops for the year 1888-89, the Superintending Engineer, I Circle, in accordance with para. 3 of G.O., No. 214 I., dated 7th May 1889, submits proposals for reducing the working expenses of the shops. For administrative purposes these workshops have hitherto been treated as a sub-division of the Godávari Eastern division, but with regard to accounts they have been worked as a separate division of the I Circle. Under the proposals now made, the shops will be worked as a sub-division of the Eastern Delta division both with respect to control and accounts, and the post of Deputy Superintendent will be abolished.

2. The recommendations of the Chief Engineer for Irrigation are approved, and will be carried into effect from the 1st January 1890. Conductor Bennett, Supervisor, 1st grade, will be retained in the I Circle, and his services will be utilised on such work as the Superintending Engineer may consider him best suited for. The division to which he may be posted should be reported in due course to the Chief Engineer, General Branch.

(True Extract.)

Captain, R.E.,
Under-Secy. to Govt., P.W.D.

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

Exd. J. Moses.
Spare Copies

2671

GENERAL.
ACCOUNT.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated September, 24th.

Recd. *Encl.*

G.O., 24th Sept. 1889, No. 2671 W.

SEPTEMBER.

Dowlaishweram Workshops

Passing orders on letter from the Superintending Engineer, I Circle, forwarding a report on the working of the — for the year 1888-89.

Employer

Statement of proposed Savings

[illegible] 7-89

Direct Savings

Establishment

	Month.	Annum
Pay of Deputy Supdt including Allowances	250 ⑥	3000.
" Accountant 5th grade.	62.	744.
" 2 Clerks 4th Class 3rd grade 30 each.	60	720
" 1 " " on.	25.	300.
" 1 Carpenter Maistry.	45	540.
" 1 Foundry Maistry.	45	540.
Total Estt.		5844

Maintce & Repairs.

Amount required to repair buildings.	500.
Total direct Saving	6344.

Indirect Savings

Leave and Pension allowance at 14½ p/c on Rs. 5844 as above	847-6-1.
Tools and Plant	
Depreciation at 4 p/c. on Rs. 11195-11-1 being value of tools as per separate list	447-13-3.
Block.	
Depreciation at 3 p/c on Rs 7663 being value of buildings to be transferred to Provincial as per separate list	230-0-0
Total Indirect Saving	1525-3-4

Provl. Wks 17 7864

N.B. If the depreciation on the buildings that will not be required may be taken into account the following must be added.

Depreciation at 3 per cent on Rs 10714-12-3

Being value of buildings not required 321-7-1.

Bringing total indirect savings to Rs. 1846.10.5.

Alex. Campbell Major R.E.
Superintending Engineer
1st Circle

E. G.
Rs. 8663/8

List of buildings which it is proposed to transfer to Provincial or which will not be required.

7571

①

To be transferred to Provl

	Rs
Deputy Suptt's Quarters	730.
Overseers Quarters	730.
Dry Dock	2738
Office buildings	1095
Land taken up for safety of shops.	2370.
Total	7663

Not required

Carpenter's Shop	1327-15-0
Timber Shed.	885-4-8.
2nd Timber Shed.	461-3-10.
3rd Timber Shed.	354-1-10.
Saw pit Shed	1150-14-0
Foundry.	3541-2-9
Plate bending Machine Shed.	2994-2-12
Total.	10,714-12-3

Alex. Campbell Major R.E.
Superintending Engineer
1st Circle

List of Surplus & Machinery & tools and plant.

Number or quantity available	Name and description of articles.	Value			Remarks.
1.	Lathe screw cutting 12"	1290	2	10	
1	Do. Do. 13"	706	2	o	
40	Augers Screw 1", 7/8" & 1¼"	19	2	8	
100.	-Do- Shell 1", 7/8", & 1½"	64	1	o	
10.	Crucibles plumbago 14"×9"	103	6	2	
35	Chisels mortice ½ × ¼	10	15	o	
12.	-Do- turning	3	o	o	
40.	Chisels gouge Socket & Socket gouges	17	8	o	
8.	Chisels gouge	2	2	8	
1500.	Files of Sorts, Sqre, Flat, round, Half round, Knife edge & Triangular from 6" to 16"	750	o	o	
40	Gimlets	25	o	o	
2.	Gouges mortice	3	2	8	
12.	Irons for rabbit planes.	3	o	o	
6.	Do for moulding planes.	1	8	o	
6	Pincers new	5	10	o	
4	Planes plough with irons.	25	o	o	
15	Planes trying 14	35	2	6	
180	Planes lead.	337	8	o	
	C/O	3402	8	6	

Brt fwd [illegible]

4	Planes smooth	17 3 4
1	Planes heel	6 8 -
2	Planes iron faced	29 - -
15	Planes jack	29 1 -
7	Pliers cutting	7 14 -
1	Screw plate 8" with 10 taps	4 4 -
1	do 3" with 6 do	2 4 -
2	Saws key holes	1 - -
2	Saws for cutting screws	5 - 8
20	Saws ripper	36 12 4
20	Saw blades	4 14 4
1	Stocks with dies, taps & handle from 2¼ to 2¾ set	75 - -
3	do do from 1½ to 2¾ without handles	180 - -
3	Stones grinding 48" dia	84 - -
1	Platebending machine	3118 14 3
1	Screwing machine	135 3 10
1	Slotting machine	837 6 3
1	Saw machine	3053 12 11
	Total	11195 11 1

Geo. Campbell Major R.E.
Superintending Engineer
1st Circle

---

425 / 29/5/89

GOVERNMENT WORKSHOP OFFICE,

No. 90 Dowlaishweram, 27/5th 1889

Recd 29-5-89

2671

From

The Officer in charge

Government Workshop Division,

Dowlaishweram.

9

To

The Superintending Engineer

First Circle

Enclosures.

1. Profit and Loss account.
2. Account of direct receipts and charges.
3. Statement of outturn & Loss from 1878-79 to 1888-89.
4. State of savings that would be effected by proposed reductions &c.

Sir,

I have the honor to forward the annual report on the working of the Dowlaishweram Government Work Shops for 1888-89.

2 From the "Profit and Loss account" it will be seen that there has been a loss of Rs 33390 on an outturn of Rs 74727 this loss can partly be accounted for by the Cost of the purchase of a new boiler for the Work Shop Engine 15 at a Cost of Rs 3000 and by the loss on the Sale

2 SEP 8

sale of old timber, which had accumulated for the last 10 years, this loss amounts to Rs 1237. The profits realised come to very little more than half the direct and indirect charges of establishment.

3 The Conclusion then that must be arrived at is that Considerable reductions are necessary and I append below a list of proposals.

4 It must I think be admitted that for many years to come it will not be possible to keep the irrigation Works in repair without the assistance

Fwd to the [illegible]
O's 3257 W 17/10/88
3305 W 17/10/88

CHIEF [illegible]
2 [illegible] 88

(10)

assistance of the Work Shops and for the great Convenience of having the Shops available for the repairs of Lock and Sluice gearing, the Delta is willing and able to Cover, say, the indirect charges.

4 From the Statement of outturns and losses from 1879-1880 to 1888-89, the following points require notice, the average yearly outturn is Rs 1,14,058, the average annual loss is Rs 11625; in 1880-81, 1886-87 and 1888-89, there were heavy losses appertaining to Stock, these losses were principally due to placing on to stock at reduced rates the refuse wood from work on the hopes

that

that it might be after worked up, in practice it was found that it remained in the yard, until it was nearly worthless and then at last it was sold for what it would fetch. Timber is now being purchased for each work ready sawn and so there is no probability of further loss on timber; Mr Vanslavern is now taking Stocking and Systematically arranging the metals and the rest of the stock, I do not anticipate loss on these.

5 I am Confident that Considerable loss is due to the fact that not enough work is got out of the men and I would strongly recommend that a young mechanical

mechanical

⑪

Rs 20 a[illegible] for administrative purposes see f. 0
3079 12/12/85 &
202 W. 25/1/82 &
870 W 10/7/82.

+ Under 42. Major Works Working Expenses page 16 of Budget Estimates for Works for 1888-89.

mechanical engineer who has served his time 7671 in English Shops should be brought out from England.

6 The reductions that I suggest are:—

(1) that the Deputy Superintendents post be abolished and that Conductor Bennett be transferred;

(2) that the Work Shops be actually made a Sub-Division of the Eastern Division as is the Case at Bezwada and that the posts of Accountant and one clerk on Rs 20 be abolished;

(3) that the grant + of Rs 1000 for Maintenance and repair be reduced to Rs 500.

17

(4) that the following machinery

one

one Sawing machine Rs 3053
one Screwing machine 133
one Slotting machine 837
one Plate bending machine
Rs 3119, be transferred from
the Shops and the indirect
charges removed.

(5) that the following build-
-ings viz

Deputy Supdt's Quarters	730 — Yes
Overseers Quarters	730 do
Dry Dock	2738
Office buildings	1095
Lands taken up for the Supply of Shops	2379

be transferred to Provincial
as all these buildings and
the land are actually used
by the Eastern Division.
If these proposals should
be carried out an annual
saving of Rs ~~5603~~ 5638, will be
effected.

2 SEP 8

27 JUL 08

1157

I have the honour to be
Sir 2671
Your most obedt. Servt.

27/5/07
Executive Engineer

25/5

2 SEP 8

1/428 8/89

2671

Revenue or Profit and loss account of the Dowlaishweram Work Shops during the year 1888-89

61

1/2

	Repairs Receipts	Amount			Charges	Amount			Remarks
	Profits				Direct charges Working Expenses				
A	Provincial	496	2	10	Repairs and Maintenances	952	11	-	The great loss is partly due to Rs 14370-7-0 ordered to be written off to Tools and Plant vide G. O. No 3305 W dt 17-10-88.
					Extensions and Improvements	221	14	2	
	Irrigation				Establishment	10510	11	11	
B.	Profits				Tools and Plant				
C	Casual Rent of buildings 287-6-7				New Supplies repairs and Carriage 5594-1-9				
D	Sale of old materials 58-5-6	345	12	1	Loss 8593-9-8	14187	11	5	
					Indirect charges				
					Depreciation				Profits realised during the year viz Rs 6619-4-10 were taken as a set-off against the above amount
E	Loss	33390	3	3	Block @ 3 o/o on Rs 30271-2-3 908-2-2				
					Machinery and Plant @ 4 o/o on Rs 25896-4-1 1035-13-7	1943	15	9	
					Leave and Pension Allowances @ 14 2/7 o/o on Rs 10510-11-11 1501-8-7	1501	8	7	
					Interest on Capital @ 4 o/o of Rs 122,839-9-7	4913	9	4	
	Total	34232	2	2	Total	34232	2	2	

(13)

27/5/89

Executive Engineer

25/5

2 SEP

2671
(14)

Dowlaishweram workshops Division

Account of direct receipts and charges for the Official year 1888-89

2471

Receipts	Amount		
Cash balance 1st april 1888	141	11	10
Cheques of Public works Dept officers	56279	10	2
State Railways (Stores supplied from Railway Department)	538	8	6
Transfers Divisional	14981	14	5
Provincial Revenue receipts	496	2	10
Irrigation & navign direct receipts	345	12	1
Income tax	173	14	6
Deposits	1517	9	8
	74475	4	0

	Charges		Amount		
1	Payments into Treasury		6455	11	10
2	Civil Department		609	12	0
3	Transfers Divisional		67086	15	0
	Expenditure against Provincial grant				
	Suspense Heads				
4	Stock Purchases & Sales	190 8 9			
5	Stock	-30710 6 4			
6	Miscellaneous advances	246 5 1	-30273	8	6
	Expenditure on Productive Public works				
	Revenue Account				
	Irrigation and navigation				
	working expenses				
7	Extensions & Improvements	221 14 2			
8	Repairs and Maintenance	952 11 0			
9	Establishment	10510 11 11			
10	Tools and Plant	14187 11 5	25873	0	6
	51 Irrigation & navigation				
	Tools & Plant				
11	workshop Manufacture Suspense		173	15	1
12	Deposits ordinary		3829	2	7
13	Cash Balance		720	3	6
			74475	4	0

Govt workshop office
Dowlaishweram
27 May 1889

Actt

27/5/89 21

Executive Engineer

(14)

Statement showing the Outturn and loss from the year ~~1878-79~~ 1879-80 to 1888-89

14

year	Outturn	Profit or Loss.	Remarks.
1878-79			
79-80	89469	22774	
80-81	78,319	21296	Rs 11,149 were written off to Profit & loss being the difference between book value and actual sale proceeds of Manufactured articles.
81-82	80,671	7755	Improved results owing to change of administration ordered in G.O. No 3079 W dated 12th December 1881, saving of pay of Supdt Rs 1200 and charge of interest reduced from 5% to 4%.
82-83*	126,255	3110	
83-84*	133,385	10,379	* Interest on Capital & leave & pension allowances have been included in loss See G.O. 4 I dated 5th January 1883
84-85*	185697	7223.	Rs 18,000 Charged off to reduce the value of block G.O. No 1408 W d/ 20-2-85
85-86*	183230	1482.	Loss appertaining to stock transactions ordered in G.O. No 3348 W dated 18-12-86 and 186 I d/ 15th March 1887 Rs 25,004
86-87*	86,582	15624	
87-88*	102,151	12,982	
88-89*	74,727	33,390	Loss by sale of old stock G.O. No 3306 W d/ 17-10-88. Rs 14,370.
Total	11,40,586	11,6257	
Average for ten years.	11,40,58	11,625	

(15)

2671

27/5/89

Executive Engineer.

Govt workshop Office }
Dowlaishwaram 25th May 1889. }

2515

4/425 (8/89)

7671

Statement Showing the Savings that would be effected by proposed reduction of Establishment &c.

⑯ 15

Particulars	Per month			Per annum			Remarks
Establishment							
Pay of Deputy Supt. including allowances	250	-	-	3000	-	-	
— " — Accountant 5 Grade	62	-	-	744	-	-	
— " — Clerk II class 3rd Grade	25	-	-	300	-	-	
				4044	-	-	
Maintenance and Repairs							
Amount required for repairs to Buildings				500	-	-	
				4544			
Leave and Pension allowances at 14 2/7 % on Rs 4044 as above				578	-	-	
				5122			
Tools and Plant							
Depreciation @ 4 % on Rs 7147 as per details below.				286	-	-	
Saw Machine Rs 3053							
Screwing " " 138							23
Slotting " " 837							
Plate Bending " " 3119							
7147				5408	-	-	

Brought forward ... 5868 -

Saved

Depreciation at 3% on Rs 7663 as per details below ... 230 - -

Depty Supdts quarters — 736

Overseers quarters — 730

Dry Dock — 2758

Office building — 1078

Lands taken up for the Depy of a km — 2370

7623

Total Savings in year — 5638 - -

Exe. Engrs Workshops office
Dowlaishweram
2? May 1889

21/5/89
Executive Engineer

21/5

No. 766 G.P.

24th 1/P

FROM,

Major D. McNeil Campbell R.E.
SUPERINTENDING ENGINEER

(17)

FIRST CIRCLE.

Enclos 8.

3 Statements
1 Division officers letter with 4 Enclos

TO,

THE CHIEF ENGINEER

FOR IRRIGATION.

DOWLAISHWERAM, 24th June 1889.

SIR,

With reference to G.O. No. ~~341~~ 1, dated 7th May/89, I have the honor to inform you that in my No. 463 G.P. dated 20th May/89 I mentioned the reductions that had already been made in the expenses of the Dowlaishweram workshops and that I was waiting till I ascertained the effect of these reductions before proposing any further cutting down of the cost. 214

2. I have now received a statement showing the working of the shops during the year 1888 89 together with a report from the Executive Engineer in charge and it will be seen from these papers

(herewith forwarded) that there has been a loss of Rs 33390 on an outturn of Rs. 74727 but out of the former Rs. 3000 is due to the purchase of a new boiler and Rs 14,370 to loss by the sale of old timber, so if these abnormal expenses be left out, the loss amounts to Rs. 16,020 which is Rs 3289 more than that in 1887-88

3. The loss includes indirect charges consisting of depreciation on Block and Machinery Leave and Pension allowance and interest on capital amounting altogether to Rs. 8359-1-8 and if these charges are neglected the loss in rupees amount to 5661.

4. It will be observed from the Executive Engineer's report that the average yearly loss from 1879-80 to 1888-89 is Rs. 11,625 but this cannot be taken to represent the loss that is likely to occur in future years as the work in the shops is becoming less year by year so it is evident that unless considerable reductions are made the loss will become greater.

5. The reductions proposed by the Executive Engineer are as follows:—

(1) To abolish the post of Deputy Supdt.

(2) To make the workshops a Sub Dn. of Eastern Delta Division the accountant and one Clerk being abolished

(3) The grant for maintenance & repairs to be reduced from Rs 1000 to Rs 500.

(4) Four machines value Rs 7147 to be transferred elsewhere.

(5) Four buildings and some land value Rs 7663 to be transferred to Provincial.

6. By these reductions, the Executive Engineer says an annual saving of Rs 5638 would be effected. I agree with all the proposals of that Officer and recommend that they be carried into effect as soon as possible. It will be seen hat the saving will very nearly cover th loss of last year indirect charges being neglected but

if these latter are to be considered still further reductions will have to be made, but I consider that these indirect charges may fairly be borne by the Delta as suggested in para 4 of Executive Engineer's letter. As the work in the shops is less than hitherto this year and is likely to be still less in the next and following years it is apparent that the saving of Rs. 5638 will not be sufficient to cover even direct charges and further reductions are therefore advisable.

7. The Godavari Delta Completion Project being almost completed, the Chief work that will have to be done in the shops is:-

(1) Repairing and renewing gearing of Sluices locks &c and repairing machinery of Steamers and dredges.

(2) Making Sluice Shutters and lock gates and preparing wood work for buildings.

(3) Casting standards for the [illegible] for lock gates and other small works.

For the 1st blacksmiths' and fitter's shops must be maintained

but they may be on a smaller scale than at present and 2 out of the 5 Screw cutting lathes might be dispensed with as well as some other machines.

The 2nd description of work can all be done on contract, there are plenty men willing to take up all the wood work in the shops. The post of Carpenter Maistry could then be abolished and a saving of Rs 45 a month or Rs 540 a year effected.

The 3rd work viz casting can be done elsewhere. It is with great regret that I recommend that the foundry should be abolished; it has worked well for years and been most useful but unless there is lots of casting work to be done for the Kistna Delta and a guarantee is given that all that work will be ordered from these shops it is impossible that the foundry can pay its cost and if as I am given to understand a foundry is being started in Bezwara it would be cheaper to get all castings from there. If the foundry be abolished the direct saving would be pay of Mastry Rs 45 a month or Rs 540 a year.

8. If the shops be reduced as suggested the office Establishment might also be reduced more than proposed by the Executive Engineer. There are at present one Accountant and 6 Clerks and I consider that two other Clerks on Rs 30 might be dispensed with in addition to the accountant and one clerk proposed by the Executive Engineer this would effect a saving of Rs. 60 a month or Rs 720 a year.

9. A statement showing the indirect saving to be effected by transfer of Machinery and tools and plant not required accompanies this report and it will be noticed that it amount to Rs. 1525-3-4. The total saving therefore including the reductions proposed by the Executive Engineer as well as those proposed by me will amount to Rs. 7869-3-4 which is not nearly sufficient to cover the total loss including indirect charges.

10. Leaving indirect charges and savings out of the question, the total loss (supposing outturn to be the same as last year) will be Rs. 5661 and the direct saving effected by proposed reductions Rs. 6344 there will therefore be a balance of Rs. 683 on the right side: taking into account that the outturn is likely to be less in this and future years this would seem to be hardly a safe balance but I agree with the Executive Engineer's remarks in para 5 of his letter that not enough work is got out of the men and though I do not approve of his suggestion of getting a Mechanical Engineer out from England I believe that with better management there will be still further saving I therefore recommend that the proposed reductions should be carried into effect and the result seen at the end of the year and should there still be a loss the only alternative will be to reduce the shops still more.

I have the honor to be
Sir,
Your Most Obedt Servant
Jno. Campbell
Major R.E.
Superintending Engineer
1st Circle

8/K

2 SEP 8

FROM,

Major D Ewbank Campbell R.E.

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

FOR IRRIGATION.

DATED 24th }
DESPATCHED 26th } June 1889.
RECEIVED }

NO. 766 G.D.

ENCLOSURES 8.

Edo
No 8663/

SUBJECT.

Doolaishwaram Workshop.

Recommending certain reductions in the expenses of the — to be carried into effect and the result seen at the end of the year.

15/9

[C. No. 8.]

(21)

1710

2671

GOVT. OF MADRAS } 1889. { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 14th September 1889.

OFFICE NOTE No. 1323

To

W.

Your office note No.3879 C.dated 30th.August 1889.

Unless the sanctioned scale of upper subordinates is reduced by one in consequence of the abolition of the post of Dy.Superintendent, the financial effect of the proposals of the Chief Engineer for Irrigation will be only a saving of the pay, including charge allowance, of an accountant 5th.grade and a clerk IV. class 3rd.grade, altogether Rs.100 per mensem. If the number of upper subordinates is reduced by one, the saving will be Rs.200 per mensem altogether.

2. Conductor Bennett is a supervisor Ist.grade and counts against the sanctioned scale (I85) of upper subordinates for the Presidency.

25

C.

14/9

14/9
Enc 10

16.9.89

+ The Dy. Supt. is a member of the permanent upper subordinate estab. & can only be transferred elsewhere. The question of reducing the [illegible] upper subordinates does not arise. New subdivisions are frequently constituted & others are closed, but there has been no question as to increasing or reducing the total strength of upper subordinates in consequence.

Co.

KEEP-WITH Genl. No.

dated 188 .

* That is, if the total no. of upper subordinates be reduced by one the reduction will have effect on the pension claim, so that the saving is taken at Rs. 100 per mensem.

Co.

No. 1529 W ~~9~~ 8-6-89
" 2143 - 7-5-89
" 3305 W - 17-10-88
" 3251 W - 12-10-88
" 1673 - 6-3-88
" 1863 - 15-3-87
" 3348 W - 18-12-86
" 5733 - 20-8-88
" 408 W - 20-2-85
" 49 - 5-1-83
" 370 W - 10-2-82
" 202 W - 25-1-82
" 3079 W - 12-12-81
" 1729 W - 14-7-81
" 266 W - 3-2-80
" 3674 W - 18-9-78

+ Please return when done with -

EXP. 716
2 SEP 1889
ENCLOSURE 9
P. W. ACCOUNTS.

No.

(2)

Government of Madras.

7671 / 161

PUBLIC WORKS DEPARTMENT,

Ootacamund, 24/8 1889.

OFFICE NOTE.

From "J"

To "W"

(1) Herewith file connected with proposed reductions in the Dowlaishweram Workshops -

(2) dealing with the proposals made by S.E. 1st in his letter 766 P.W. 24/6/89, Seriatim -

1st. I recommend the abolishing the post of Deputy Supdt. - Mr Bennett being sent elsewhere.

2nd I agree with the S.E. that the workshops should be made a Sub Div. of the Western Delta Div. & the Special Accountant & one Clerk 4th Class 3rd grade on Rs 30 dispensed with -

3rd The grant for Maint. & Repairs shall be reduced in the Budget for next year from Rs 1000 to Rs 500 24

4th I recommend That the Plate bending Machine be if possible got rid of

5th I recommend that the

Quarters for the Exec. Supt.
(who will no longer be employed)
be transferred to the Provincial
list of Buildings – & that
the Dry dock be transf.
to Irrigation Tool & plant
as only used for repairs
of Irrigation plant –

6th. I do not recommend
that the foundry be
abolished at present; it
is probable that before
many years have elapsed
there may be extensive
Railway workshops with
a foundry within easy
reach of Dowlaishwaram
& then the P.W.D. foundry
may be given up –

7th. I do not recommend
that the Carpentry Mistry
should be dispensed
with – even if woodwork
be done on Contract in
the shop: it will be
advisable to have such
a man. –

3 – The proposed
Changes must take place
from commencement
of next Official Calendar
Year – (1st Jany.)

4. Probably the [illegible]
should be consulted about
the 1st recommendation.

No 3879C d/ 30th Augt 1889

To
C

For remarks.

Please state the
financial effect of
the proposals made
by the Chief Engineer
for Irrigation, and
the conditions of
Mr. Bennett's employment.

27.8.89

No. 3251 W d/ 12-10-88
" 3365 W " 17-10-88
" 2193 " 7-5-87
" 93 " 5-1-83
" 3077 W " 12-12-81
" 1529 W " 8-6-89
" 1673 " 6-3-88
" 1863 " 15-3-87
" 5733 " 20-8-86
" 408 W " 20-2-85
" 370 W " 10-2-82
" 202 W " 25-1-82
" 3079 W " 12-12-81
" 1729 W " 14-7-81
" 266 W " 3-2-80
" 265 W " 3-2-80
" 3674 W " 18-9-78
" 3348 W " 18-12-86

Ans 2671 W
d/ 24.9.89

---

(23)

1889

P. W. DEPARTMENT.

Current No. 8101

From

I

ENCLOS. —

No. —
Dated 24th Augt 1889
Received 29 – do –

SUBJECT.

Forwarding with
remarks a file
connected with
proposed reductions
in the Dowlaishwaram
Workshops.

DISPOSAL.

No. 3879C Dated 30th Augt 1889

To
C

For remarks.

Please state the
financial effect of
the proposals made
by the Chief Engineer
for

for Irrigation, and the conditions of Mr Bennett's employment."

(Sd) R.R.E.D.B.
27-8-89

W

674

No. 3484C d/ 2nd August 1889.

(24)

Government of Madras.

2671

PUBLIC WORKS DEPARTMENT,

Ootacamund, 30/7 1889

OFFICE NOTE.

From "I"

To "C"

Please let me know when it is likely your report on the working of the Dowlaishwaram Workshops during 1888-89 is likely to be ready. I wish to make proposals for considerable reduction in cost of working them and those proposals would conveniently be based on your report

(Sd) "I"

No. 1102 d/ 6th August 188

To I.

The annual report on the working of the Dowlaishwaram Workshops during 1888-89 will, I hope, be sent within a fortnight.

Told Wm 7.8

C.

1878 No 7300

167.8.89

E 3

1305
Nov 11.2.90

2671W

8663

2671

For orders.

The total number of upper subordinates was fixed in 1881 at 185 for the general purposes of the dept, and it is not likely that G.W. will recommend the reduction of the number by one simply because an upper subordinate will no longer be required in the Dowlaishweram workshops. The formation of new sub[illegible]isions is frequently sanctioned, but it has never been proposed to increase the total number of upper subordinates on that account.

The Question arises how the services of Condr Bennett can be utilised outside the workshops. He has all along served in the workshops, & it is ~~perhaps~~ probable that he knows very little about the general duties

70

Gayl

of the I Circle & hinder it
[illegible]

of an upper Subordinate of the Dept.

The Exr has confined his report to the financial effect of S.E.'s proposals with respect to establt. only. He has not shown what the full effect of the proposals will be with respect to the annual expenses of the workshops.

Cw
19.9.89

It does not seem advisable to reduce the sanctioned scale (...) of Superintendents. S.E. might be asked for proposals regarding Cont. Bennett's transfer he is not required in the Western Workshops, should if he would be of use on the [illegible] works. There would be great difficulty in estimating the financial effect of the reduction proposed by S.E. except as regards establishment & I do not think any attempt need be made in that direction.

19.9.89

SAW

C. No. 8193 (26) 26

The H.W. wishes apparently that the whole subjection of delegated powers of sanction to Estimates should be reconsidered. It would perhaps be useful to prepare a tabular Statement showing powers (money limits) already conferred on each S.E. leaving a blank column at the end for revised powers, to be approved on further consideration.

R.S.
9.IX.89

26A

IOW

Submitted with refce to the H.W.'s remarks on the draft Order. A Statement is submitted showing

---

of the I Circle - [illegible]
[illegible]

the money limit of powers of sanction now possessed by Supdg Engrs. It seems doubtful whether the H.Gr. intends to interfere with powers already granted, or whether he simply means to decline to pass the present order proposing to give further powers, with respect to revised estimates. The H.G's orders might perhaps be taken on this point.

In the list, the powers formerly given to Mr Walch & yourself as Supdg Engrs has not been entered, as both are acting Ch. Engrs now.

Ch
13-9-89

Genl & Acct

No. 2671 W

(27)

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 24th Septr 1889

READ the following

From Circle Supdg. Engr. I Circle. No. 766 G. O. of 24 June 1889
Office note from the C.E. for Irrig. - No. - of 24 August 1889
Office note from the Exr. P.W.d. - No. 1323 of 14 Septr 1889.

18 P

Ms
27 Sep

In forwarding a report on the working of the Dowlaishweram workshops for the year 1888-89, the Supdg. Engineer I Circle, in accordance with para 3 of G.O. No. 214 I of 7th May 1889, submits proposals for reducing the working expenses of the shops. For administrative purposes these workshops have hitherto been treated as a sub division of the Godavari Eastern Dn., but with regard to account they have been ~~27~~ 27 worked as a separate division of the I Circle & under its

respo

proposals now made, the shops will be worked as a subdivision of the Eastern Delta Division both with respect to control and accounts, and the post of deputy superintendent will be abolished.

2. The recommendations of the Chief Engineer for Irrigation are approved; and will be carried into effect from the 1 January 1890. Conductor Benn[illegible] Sub Overseer 1 grade, will be retained in the I Circle and his services will be utilised on such work as the Supdg. Engineer may consider him best suited for. The division to which he may be posted should be reported in due course to the Chief Engineer, General Branch.

WCB
21.9.89

D

√ 11|1|0

To
The Supdg. Engr. I Circle
" Chief Engr. for I.
" Examiner P.W.A.

1-9-89 R. 24-9-89

19

8663.

GOVT. OF MADRAS.

PUBLIC WORKS.

Date 25/1

Recd. Entd.

G.O. 24th Sept. 89 No. 2671 W.

Dowlaishweram Workshops

Passing orders on letter from the Supdg. Engr. I Circle forwarding report on the working of the ... for the year 1888-89.

48 W

㉘

90/21

22/25