(1) பக்கங்களின் எண்ணிக்கை ~~14~~ 16

(2) புதுக்கித் திருப்பிய நாள் 12/91

(3) ஆதாரங் குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PW துறை

அரசாணை எண். அச்சகம்
மு. கோப்புத் தாள் எண். 2441(W) பலவகை

நாள் : 22.9.1893 199 .

மடிக்கவோ தூண்டபடி கையாளவோ கூடாது.

22nd September 1893, No. 2441 W., Public Works.

2441/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

Extract (paragraphs 1, 2, 3, 4, 8, 9, 20, 24, 25, 26 and 28) from report of an inspection of the office of the Executive Engineer, Periyár No. II Division, by Mr. W. A. Crisp (Examiner, 4th Class, 3rd Grade, Temporary), Deputy Examiner, Public Works Accounts, Madras, on the 21st to 24th July 1893; dated 31st July 1893.

1. *Last Inspection.*—By Mr. M. H. Gaynor, Officiating Deputy Examiner, 2nd to 5th May 1891.

2. *Executive Engineer.*—Mr. G. P. Carless, 2nd Grade, has continued in charge since last inspection except during three months' privilege leave, 15th August to 15th November 1892, when Mr. J. W. H. Ellis, Assistant Engineer, 1st Grade, Honorary, officiated.

3. *Accountant.*—Mr. Gopal Aiyar, 5th Grade, has been uninterruptedly attached to the division during the same period.

4. The inspection generally embraced a period of six months, from January to June 1893, the Registers of Works and of Sanctions being examined for and from 1892-93.

8. *Constitution of Division.*—There are three sub-divisions—

A—D in charge of Mr. S. Kistnamachariar, Sub-Engineer, 3rd Grade—Imprest, Rs. 750.
E in charge of Mr. M. R. Vydealingum Pillay, Sub-Engineer, 3rd Grade—Imprest, Rs. 200.
F in charge of Mr. T. D. Enright, Supervisor, 1st Grade—Imprest, Rs. 700.

9. The following imprests are also held by other than Sub-divisional officers :—

Narainswamy Iyer, Head Clerk, Divisional Office—Rs. 7 for railway fares of lascars.
S. Sunjeeva Rao, Camp Clerk—Rs. 5 for petty contingencies during Executive Engineer's tours.

20. *English Stores.*—Government sanction was not obtained to the purchase locally (from Messrs. Parry and Company, Madras) of the following articles which were ascertained to be of European manufacture :—

		RS.	A.	P.
August 1892 ...	6 barrels tar 24 barrels Burham's Portland cement	81 192	0 0	0 0
		273	0	0
April 1893 ...	24 do. do. ...	247	8	0

24. All excesses in quantities, rates or cost of sub-heads are not reported in works slips to the Superintending Engineer as required by clause 2, paragraph 43, chapter III of Government of India Code. These details are only communicated to the Superintending Engineer when an actual excess over the total estimate occurs.

25. The following instances of excesses of Rs. 500 and upwards to end of June 1893 on sub-heads of estimates, the total amounts of which have not been exceeded, were noticed :—

Work.

(i) Excavation Main Channel, I Reach—Estimate Rs. 1,64,000 ; actual Rs. 1,37,096.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Earth cutting ..	Estimate	4,312,588	4	0	0	17,520	..
	Actual	5,357,894	4	0	7	21,636	4,116
Soft rock ..	Estimate	909,513	12	0	0	10,915	..
	Actual	1,472,474	9	14	4	14,571	3,656
Rock	Estimate	457,746	45	0	0	20,599	..
	Actual	609,179	47	9	5	28,990	8,391

N.B.—This work is said to be completed, a net saving of Rs. 20,000 being anticipated.

(ii) Excavation Main Channel, VI Reach—Estimate Rs. 49,300 ; actual Rs. 42,940.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Rock cutting ..	Estimate	157,344	20	0	0	3,147	..
	Actual	957,306	12	12	7	12,239	9,092

(iii) Excavation Main Channel, VII Reach—Estimate Rs. 22,405 ; actual Rs. 20,874.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Gravel cutting ..	Estimate	437,700	5	0	0	2,626	..
	Actual	681,306	5	11	6	3,898	1,272
Soft rock ..	Estimate	..	..			..	..
	Actual	765,257	10	13	7	..	8,304
Hard rock ..	Estimate	..	..			..	..
	Actual	48,362	20	7	8	..	888
Blasting rock ..	Estimate	..	..			..	..
	Actual	84,631	34	3	1	..	1,870

(iv) Excavation Main Channel, VIII Reach—Estimate Rs. 14,500 ; actual Rs. 12,377.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Gravel cutting ..	Estimate	386,494	6	0	0	2,283	..
	Actual	560,492	5	8	9	3,111	828
Soft rock ..	Estimate	204,770	10	0	0	2,048	..
	Actual	474,236	10	13	2	5,132	3,084
Blasting rock ..	Estimate	..	..			..	..
	Actual	29,814	24	8	9	..	731

(v) Excavation Main Channel, XI Reach—Estimate Rs. 30,650 ; actual Rs. 12,047.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Soft rock ..	Estimate	..	..			..	..
	Actual	422,327	9	3	11	..	3,905
Rock	Estimate	..	..			..	..
	Actual	110,713	17	0	2	..	1,883

(vi) Excavation IV Branch Channel—Estimate Rs. 37,750 ; actual Rs. 30,376.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Gravel cutting ..	Estimate	616,060	6	0	0	3,696	..
	Actual	1,043,103	6	2	8	6,434	2,738
Earth cutting ..	Estimate	302,590	3	0	0	938	..
	Actual	667,273	2	14	9	1,657	719
Banking	Estimate	161,020	4	8	0	725	..
	Actual	347,119	4	10	3	1,611	886
Sundries	Estimate	..	..			1,303	..
	Actual	..	..			2,333	1,030

(vii) Excavation V Branch Channel—Estimate Rs. 10,665 ; actual Rs. 3,743.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Gravel cutting ..	Estimate	..	..			..	..
	Actual	252,383	5	12	10	..	1,465
Soft rock ..	Estimate	..	..			..	..
	Actual	76,365	9	7	1	..	721

(viii) Excavation VI Branch Channel—Estimate Rs. 6,745 ; actual Rs. 4,963.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Soft rock ..	Estimate	..	..			..	..
	Actual	188,218	10	7	0	..	1,965

(ix) Excavation IX Branch Channel—Estimate Rs. 56,640 ; actual Rs. 31,995.

Sub-heads.		Quantity.	Rate per 100.			Cost.	Excess.
			RS.	A.	P.	RS.	RS.
Gravel cutting ..	Estimate	535,750	6	0	0	3,215	..
	Actual	1,198,865	5	7	0	6,531	3,316
Earth cutting ..	Estimate	745,990	3	0	0	2,238	..
	Actual	1,392,209	3	3	7	4,574	2,336
Banking gravel ..	Estimate	507,210	6	0	0	3,044	..
	Actual	655,330	6	8	10	4,294	1,250
Do. earth ..	Estimate	1,095,600	4	8	0	4,944	..
	Actual	1,767,838	3	4	6	5,799	845
Do. gravel with lead.	Estimate	..	..			..	..
	Actual	454,920	8	0	0	..	3,639
Soft rock ..	Estimate	..	..			..	..
	Actual	638,732	9	0	7	..	5,727

26. The Code rule, chapter XII, paragraph 43, apparently requires that all excesses on sub-heads (beyond, it may be assumed, an Executive Engineer's power of sanction Rs. 200 or 500 as may be the case) should, in the first instance, be reported in work slip to Superintending Engineer, who may thereafter decide whether the works slip should be continued monthly or at longer intervals.

2441/3

28. *Contract Accounts.*—A register is maintained of all contracts and agreements with piece-workers, but it was ascertained that there were several of the latter working without agreements (see list, Appendix B).

(Signed) W. A. CRISP,
Dy. Examiner, Public Works Accounts, Madras.

Enclosure.

APPENDIX B.

List of Piece-workers employed in No. II Periyár Division without agreements.

No.	Name of Piece-worker.	Name of work.	Remarks.	
			Estimate.	Total expenditure.
			RS.	RS.
1	Valaya Reddy	Raising banks to full height, 2nd reach; excavation, 1st reach	690	709
2	Chinnakutti	Maintenance, 9th reach	220	117
3	Velan	Do. 10th do.	350	225
4	Periana Goundan	Excavation, 6th do.	49,300	42,584
5	Sappani Servai	Strengthening the banks of main channel near Thathakavandanpatty, 3rd reach	260	63
		Blasting rock, 9th reach	..	..
6	Sivagnanam Pillai	Raising Poolampatty tank bund, 5th reach	..	..
		Excavation, 6th reach	49,300	42,584
7	Audi Goundan	Bridge near Velichenatham		
8	Ramoo Goundan	Improving store-shed at Peranai	..	..
9	Sivasami Pillai	Clearing silt &c. C. D. work, 3rd reach	..	..
10	Mathurai	Closing gaps, &c., 3rd reach	485	..
11	Lutchumanan Servai	Bridge Kuravangolam, 4th reach	..	..
12	Alagiri Boyan	Providing tin covers, 1st reach	16	..
13	Perumal Pillai	Excavation, 6th reach	49,300	42,584
14	Rengasami Kothan	Maintenance, 8th reach	50	16
15	Sundaram Iyer	Do. 3rd B. channel	144 200	138 ('92-93) 5 ('93-94)
16	Narayanasami Nayudu	Repairing Ramarajapuram tank, &c.	..	..
		Excavation, 1st reach	1,64,000	1,35,670

No. 936 B.

Submitted to the Secretary to Government, Public Works Department, for favour of orders, especially with reference to paragraph 26.

Madras,
13th September 1893.

(Signed) I. S. SHERLOCK-HUBBARD,
Examiner, Public Works Accounts, Madras.

Order—dated 22nd September 1893, No. 2441 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, for the information and guidance of the Executive Engineer, No. II Periyár Division.

2. An application in the prescribed form for sanction to the purchase of the English stores, referred to in paragraph 20 of the inspection notes, should be submitted without delay.

(True Extract.)

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

To the Superintending Engineer, VI Circle.
„ other Superintending Engineers.
„ the Consulting Architect to Government.
„ Superintendent of Works, Periyár Project.
„ the Chief Engineer for Irrigation.
„ the Examiner, Public Works Accounts.
Exd. J. Moses.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated September, 22nd.

Recd.

Encl.

G.O., 22nd Sept. 1893, No. 2441 W.

SEPTEMBER.

Inspection Report

Orders on the — of the office of the Executive Engineer, No. II Periyár Division, by the Deputy Examiner, Public Works Accounts, Madras.

244/A 18

Extract (paras I,2,3,4,8,9,20,24,25,26 and 28)from report of an inspection of the office of the Executive Engineer Periyar No. 2 Division by Mr.W.A.Crisp (Examiner,4th.Class,3rd.Grade,temporary) Dy.Examiner,P.W.Accounts,Madras on the 2Ist. to 24th.July I893.

Dated, 3Ist.July I893.

I. Last Inspection — By Mr.M.H.Gaynor,Offg.Dy.Examiner, 2nd.to 5th.May I89I.

2. Executive Engineer. Mr.G.P.Carless,2nd.Grade has continued in charge since last inspection except during 3 months privilege leave I5th. August to I5th.November I892 when Mr.J.W.H. Ellis , Asst. Engineer Ist.Grade,Honorary officiated.

3. Accountant. Mr.Gopal Aiyar,5th.Grade has been uninterruptedly attached to the Division during the same period.

4. The inspection generally embraced a period of 6 months from January to June I893, the Registers of Works and of Sanctions being examined for and from I892-93.

8. Constitution of Division. There are 3 Sub-divisions -

A-D in charge of Mr.S.Kistnamachariar,Sub Engineer ,3rd.Grade Imprest - Rs.750.

E. do Mr.M.R.Vydealingum Pillay,Sub Engineer,3rd. Grade. Imprest Rs.200.

F. do Mr.T.D.Enright,Supervisor Ist.Grade. Imprest Rs.700.

9. The following imprests are also held by other than Sub-divisional Officers -

Narainswamy Iyer,Head clerk,divisional office - Rs.7-0-0 for Railway fares of lascars.

S.Sunjeevarao - Camp clerk Rs.5 for petty contingencies during Executive Engineers tours.

20. **English Stores.** Government sanction was not obtained to the purchase locally (from Messrs, Parry and Co, Madras) of the following articles which were ascertained to be of European Manufacture

August 1892,	6 barrel tar....................	Rs. 81-0-0
	24 barrels Burhams Portland cement	192-0-0
		Rs. 273-0-0
April 1893	24 do do	Rs. 247-8-0

24. All excesses in quantities, rates or cost of sub heads are not reported in works slips to the Superintending Engineer as required by clause 2, para 43, chapter III of Government of India Code. These details are only communicated to the Superintending Engineer when an actual excess over the total estimate occurs.

25. The following instances of excesses of Rs. 500 and upwards to end of June 1893 on sub heads of estimates the total amounts of which have not been exceeded were noticed:-

Work

. Excavation Main Channel I Reach Estimate 164000 actual 1370

Sub heads		Quantity	Rate	Cost.	Excess
Earth cutting	Estimate	4312588	at 4-0-0 ‰	17520	~~4116~~
	Actual	5357394	at 4-0-7	21636	4116
Soft rock	Estimate	909545	at 12-0-0	10915	
	Actual	1472474	" 9-12-4	14571	3656
Rock	Estimate	457746	" 45-0-0	20599	
	Actual	609179	" 47-9-5	28990	8391

N.B. This work is said to be completed, a net saving of Rs. 20000 being anticipated

Work.

ii. Exacavation Main Channel VI Reach. Estimate 49300 Actual 42940

Sub head					Excess
Rock cutting	Estimate	157341	at 20-0-0	3147	
	Actual	957306	" 12-12-7	12239	9092

iii. Excavation Main Channel VII Reach Estimate 22405 Actual 20874

Sub head					Excess
Gravel cutting	Estimate	437700	at 6-0-0 ‰.	2626	1272
	Actual	681306	" 5-11-6	3898	
Soft rock	Estimate	Nil			8304
	Actual	765257	" 10-13-7		
Hard rock	Estimate	Nil			888
	Actual	43362	" 20-7-8		
Blasting rock	Estimate	Nil			1870
	Actual	54691	" 34-3-1		

iv. Excavation Main Channel VIII Reach Estimate 14500 Actual 12377

Sub head					
Gravel cutting	Estimate	380494	at 6-0-0 ‰	2283	828
	Actual	560492	" 5-8-9	3111	
Soft rock	Estimate	204770	" 10-0-0	2048	3084
	Actual	474236	" 10-13-2	5132	
Blasting rock	Estimate	Nil			731
	Actual	29814	" 24-8-9 ‰		

v. Excavation Main Channel XI Reach Estimate 30650 Actual 12047

Sub-head				
Soft rock	Estimate	Nil		3905
	Actual	422329	at 9-3-11 ‰	
Rock	Estimate	Nil		1883
	Actual	110713	" 17-0-2 ‰	

vi. Excavation IV Branch Channel Estimate 37750 Actual 30376

Sub-head					
Gravel cutting	Estimate	616060	at 6-0-0 ‰	3696	2738
	Actual	1043103	" 6-2-8	6434	
Earth cutting	Estimate	302590	" 3-0-0	938	719
	Actual	567273	" 2-14-9	1657	
Banking	Estimate	161020	" 4-8-0	725	886
	Actual	347119	" 4-10-3	1611	
Sundries	Estimate			1303	1030
	Actual			2833	

i. Excavation V Branch Channel Estimate 10665 Actual 3743

Sub-head					Excess
Gravel Cutting	Estimate			Nil	
	Actual	252383	at 5-12-10 %00		1465
Soft rock	Estimate			Nil	
	Actual	76365	" 9-7-1		721

viii. Excavation VI Branch Channel Estimate 6745 Actual 4963

Sub-head					
Soft rock	Estimate			Nil	
	Actual	188218	" 10-7- %00		965

ix. Excavation IX Branch Channel Estimate 56640 Actual 31995

Sub head					
Gravel cutting	Estimate	535750	" 6-0-0 %00	3215	
	Actual	1198865	" 5-7-0	6531	3316
Earth cutting	Estimate	745990	" 3-0-0	2238	
	Actual	1399209	" 3-3-7	4574	2336
Banking gravel	Estimate	507210	" 6-0-0	3044	
	Actual	655330	" 6-8-10	4294	1250
do Earth	Estimate	1095600	" 4-8-0	4544	
	Actual	1767888	" 3-4-6	5799	845
do gravel with lead.	Estimate			Nil	
	Actual	454920	" 8-0-0		3639
Soft rock	Estimate			Nil	
	Actual	633732	" 9-0-7		5727

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26. The Code rule chapter XII, para 43 apparently requires that all excesses on sub-heads (beyond, it may be assumed, ~~on~~ an Executive Engineers power of sanction Rs. 200 or 500 as may be the case) should in the first instance be reported in work slip to Superintending Engineer who may thereafter decide whether the works slip should be continued monthly or at longer intervals.

28. Contract Accounts. A register is maintained of all contracts and agreements with piece-workers but it was ascertained that there were several of the latter working without agreements (See list Appendix B).

(Signed) W.A. Crisp,
Dy. Examiner, P.W. Accounts, Madras.

P

2441/8

Appendix B

List of Piece-workers employed in No. 2 Periyar Division without agreements

No.	Name of Piece-worker	Name of Work	Remarks Estimate	Total Expenditure
			5	7
1	Valaya Reddy	Raising banks to full height 2nd Reach,	690	709
		Excavation 1st Reach.	220	117
2.	Chinnakutti	Maintenance 9th Reach	350	225
		Do 10th Do		
3	Velan	Excavation 6th do	49,300	42584
4	Periana goundan	Strengthening the banks of Main Channel near Thathakavandanpatty 3rd Reach.	260	65
5	Sappani Servai	Blasting Rock 9th Reach		
6	Sivagnanam Pillai	Raising Poolampatty Tank bund 6th Reach. Excavation 6th do	49,300	42,584
7	Audi goundan	Bridge near Velichanatham Improving shoreheads at Peranai.		
8.	Ramos goundan	Clearing silt 5 C D North 3rd Reach.	485	.
9	Sivasami Pillai	Closing gaps 4th 3rd Reach		
10	Muthurai	Bridge Kuravangulam 4th Reach	16	.
11	Letchumanan Servai	Providing tie covers 1st Reach.		
12.	Alagiri Boyan	Excavation 6th Reach	49300	42584

13	Perumal Pillai	Maintenance 8th Reach	50	15
14	Rengasame Kothan	do 3. B channel	144	138 (92-9
15	Sundaram Iyer	Repairing Ramarajapuram Tank &c.	200	5 (93-94
16	Narayanasame Nayudu	Excavation 1st Reach	164000	135670

Ou 8.2/7866/93

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2441/

No. 936 B

Madras, 13 September 1893.

Submitted to the Secretary to Government Public Works Department for favour of orders, especially with reference to para 26.

J. S. Sherlock-Hubbard

Examiner, P.W. Accounts, Madras.

Hn 13/9

P.W. CURRENT No. 7866

58

Genl

No. 2441 W. of 22 September 1893.

From

The Examiner, P.W. Accounts,
Madras,

To

The Secretary to Government,
P.W. Department.

No. 936 B

Enclo 2

Dated 13 September 1893.
Recd. 14-9-93

Report of inspection of the office of the Executive Engineer No. 2 Periyar Division, by Mr. W. A. Crisp, Dy. Examiner. Submits for orders of Government---

Communicated to the Supdg. Engr. VI Circle for the information and guidance of the Executive Engineer No. II Periyar Dn.

2. An application in the prescribed form, for sanction to the purchase of the English stores referred to in para 2 of the Inspection notes should be submitted without delay.

DESPATCHED
5 OCT. 93

S/E VI Circle
Other S Es
C. A. to Govt
Supt. of works P. Project
Chief Engr for Irrign
[illegible]

2441/8

C No. 7866

Govt. of {1893} Madras.
PUBLIC WORKS.

Dated 15/9/93

Recd.

Encl.

G.O. 22d Septr 1893, No. 2441 W

Inspection report

Orders on the — of the office of the Ex. Engineer No. II Periyar Dn Rep the Dy Ex P. W. A. Madras.

2/10/14

J.C. 23.14

3d 21/9-