Public Works (1897) Department.

G.O., No. 804 I

DATED 2nd September 1897

3/9/97

4680
19
23680

[Despatch Abstract.]

Funds: Certain transfers of — under 43. Minor works & Navilation, sanctioned.

9c/29

9D/4 WApce 28/9/97

P.W. 93.
1000—20-11-96

Indexed. 4/9

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 804 I., 2nd September 1897.

SEPTEMBER.

Funds

Certain transfers of — under 43. Minor Works and Navigation, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers:—

Application to the Government, through Superintending Engineer, II Circle, for a re-appropriation of budget grants.

[Statement

Application to the Government through Superintending Engineer, II Circle, for a re-appropriation of budget grants.

Proposed new grant.									Proposed reduction.								
Departmental and service head.	Item No. of budget.	Works.	Amount of estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed increase.	Grant as now proposed.	Departmental and service head.	Item No. of budget.	Works.	Amount of estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed reduction.	Amount at which grant for work will stand after reduction.
		43. Minor Works and Navigation for which Capital and Revenue Accounts are kept. *Cooum Improvement Scheme.*	RS.	RS.	RS.	RS.	RS.	RS.			43. Minor Works and Navigation for which Capital and Revenue Accounts are kept. *Buckingham Canal.*	RS.	RS.	RS.	RS.	RS.	RS.
		Capital Works	..	..	..	..	A 889	889			Capital Works	..	..	69,878	69,878	B 37,366	32,512

No. 728.

Forwarded to the Superintending Engineer, II Circle.

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

No. 127 B.C.

Forwarded to the Chief Engineer for Irrigation for sanction, if approved.

(Signed) W. M. ELLIS, Capt., R.E.,
for Supg. Engineer, II Circle.

15th July 1897.

From Captain W. M. ELLIS, R.E., Executive Engineer, Kistna Northern division, to the Superintending Engineer, II Circle, dated 8th July 1897, No. 254-S.E.

I regret to have to report that a serious excess of liabilities over grant under 43. Capital (Provincial—Irrigation) has already been incurred on the Muniyeru project works to the extent of Rs. 24,000 odd.

The amount of these liabilities has only just come to my knowledge and considerably exceed what I had anticipated, although I knew that the amount of the grant must be nearly spent.

2. I propose to explain now how the liabilities so greatly in excess of allotments have been incurred without my knowledge, and to represent the whole matter for your consideration and orders.

3. When I inspected the works last February after assuming charge of the division, the state of affairs was briefly as below:—

The great part of the excavation of the main channel up to 22 miles 6 furlongs was out with the exception of the removal of a series of reefs of hard gneiss obstructing the channel principally in the 1st mile, but also in the 5th and 9th miles.

The masonry works throughout the channel were well advanced and the contractors for the work (Messrs. Putman & Ritchie) were under contract to complete the whole (except 6 miles under execution by other agency) by 30th June 1897.

It will be seen that in order to reap the fruits of the works thus well advanced during the coming irrigation season, it was necessary to put in hand and push vigourously—

(*a*) the removal of all obstructing rocks;
(*b*) the excavation of distributaries.

The alignment of 2 or 3 minor distributaries had been investigated at the time of inspection, but no work commenced and the alignment finally selected was not laid out on the ground.

4. At the time I speak of it was known that the original estimates for the project would be exceeded by considerable sums and that the provision for distributary channels for which no detailed estimates had ever been made was altogether inadequate. The revised estimates for the works were in hand and promised to be ready in June, which time has since been altered to July owing to withdrawal of establishment for famine works.

5. The orders given by me were to finish the works and remove all obstructions on the main channel up to 22/6 and to align, design and put in hand the distributaries served by this length of main channel and push these works without waiting for the revised estimates so as to be able to open the channel to 22 miles 6 furlongs in July.

6. The procedure adopted was to survey, align and design the distributaries and after scrutiny of the design and approval by me, to order the work being proceeded with at once.

It is to this that I attribute the excesses over my grants that I have incurred; the cost of the distributaries in the first 22 miles amounting to an estimated sum of Rs. 36,680 for earthwork and Rs. 17,095 for drops and masonry works (excluding head sluices) against the provision in the original estimate of a total Rs. 19,380 for the whole channel 27 miles long.

The expenditure and liabilities to date on distributaries amounted to Rs. 15,750 for earthwork and Rs. 4,880 on masonry drops.

7. The present state of the distributaries is such that to bring the most important of them into operation, a further sum of Rs. 12,000 will be required to be spent at once, most of this being for masonry drops in the first mile of each channel without which the efforts already made to bring the lands under the channel water this year will be ineffectual and in only one channel (Lingala distributary) can water be given without further expenditure. It is not anticipated that even if water be given a large revenue will be realized this year, and the ryots decline to make a move to prepare their fields until they see the water, but if the water is not run into the channels this year it is probable that next year will see the same backwardness on the part of the ryots, and much revenue may be lost in consequence. It is for Government to consider whether the Rs. 12,000 required to create thorough confidence can be given. There is no doubt that in the interests of true economy such a grant would be most desirable.

8. In addition to the above a further allotment of Rs. 5,000 for maintenance of the newly completed main channel, anicut, head works, &c., will be absolutely necessary to prevent great loss to Government by injury and deterioration of the new works which must be carefully maintained during the earlier years, and petty repairs, &c., carried out as may be found necessary after every heavy storm.

9. The financial state of affairs are briefly summarized below:—

	RS.
Original allotment in preliminary budget	81,000
Allotment in final issue of budget communicated 9th June 1897 ...	72,870
Expenditure to end of May	20,000
Allotments asked for for June	28,000
	48,000
Liabilities ascertained to have been incurred on totalling up the revised estimates	97,470
Actual excess of liabilities over allotment	24,600
Further sum absolutely necessary to maintain works	5,000
Addition to grant absolutely necessary	29,600
Further sum required if water is to be given this year and the granting of which is highly desirable	12,000
	41,600

This does not include the prosecution of works as they ought to be carried out which is given in column 5 of attached statement, but is a minimum for the purposes named.

10. To provide for this out of funds allotted to this division is, I fear, altogether impossible, but the following sums can be spared for transfer:—

From 43. Original Works, Capital and Revenue Accounts not kept.

	RS.
Ipur tank scheme (the works are stopped for want of establishment)	7,000
Janapad tank scheme (the works on this have now been ordered to be stopped)	6,000
43. Agricultural works.	
River conservancy	2,000
Total ...	15,000

This leaves a grant of Rs. 14,600 to be provided outside the division, if it is decided to stop every thing except necessary maintenance. If the further work recommended is done, the sum required will be Rs. 26,600.

11. Subjoined is a statement in detail of the liabilities actually incurred and sums required urgently to put the distributary channels into partial operation, together with amounts of revised estimates now prepared for all works up to 22 miles 6 furlongs and expenditure on the same to 31st March 1897 and liabilities incurred since that date.

No. 1077/K.N.

Forwarded to the Chief Engineer for Irrigation.

2. Most of the masonry works left incomplete by the end of March 1897 have been taken up this year and are nearly finished.

	RS.	RS.
Grant assigned for the Muniyeru project in the final issue of the budget for the current year		72,870
Amount of liabilities already incurred	97,470	
Do. required for the maintenance of head works, &c.	5,000	
Do. required if water is let out this year	12,000	
		1,14,470
		41,600
Amount proposed to be transferred from other sources in the division	15,000	
Additional amount required to be transferred from other sources	26,600	
		41,600

The Superintending Engineer considers that it is of the greatest importance to complete this project as soon as possible, for the ryots in the neighbourhood are not accustomed to irrigate from river channels and it will shake their confidence in the project, if water is not let down this season. Also the Nandigama taluk is one which is liable to distress in times of scarcity of food and the area to be grown with rice under the Muniyeru anicut system will be an important addition to the food-supply of the district.

If it is impossible to provide funds from other sources, the Superintending Engineer will endeavour to do so from the grants for less important works in the Circle.

15th July 1897.

(Signed) W. M. ELLIS,
for Supg. Engineer, II Circle.

No. 143 I.

Submitted to Government.

2. Of the additional grant of Rs. 41,600 required for the Muniyeru project, Rs. 15,000 may be met from the surrenders proposed by the Superintending Engineer, leaving Rs. 26,600 still to be provided. This amount may be appropriated from the surrender of Rs. 37,366 made from the Buckingham Canal, the balance of the surrender being held in reserve under Minor Works for which neither Capital nor Revenue Accounts are kept, Original Works.

23rd July 1897.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 804 I., dated 2nd September 1897.

The following transfers of funds are sanctioned :—

43. Minor Works and Navigation.

From

	RS.	RS.
Minor Works for which Capital and Revenue Accounts are kept. Capital Account. Buckingham Canal.		
Works	37,366	
Establishment ...	8,594	
		45,960
Minor Works for which neither Capital nor Revenue Accounts are kept. P.W.D. Kistna Northern division.		
Major Original Works	13,000	
Establishment	704	
Tools and plant ...	46	
		13,750
Agricultural Works. Kistna Northern division.		
Repairs	2,000	
Establishment	460	
Tools and plant ...	30	
		2,490
Total		62.200

To

	RS.	RS.
Minor Works for which Capital and Revenue Accounts are kept. Capital Account. Cooum Improvement scheme.		
Works	889	
Establishment	204	
		1,093
Muniyeru Project.		
Works	41,600	
Establishment ...	9,568	
		51,168
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D. Reserve.		
Minor Original Works	9,939	
		9,939
Total ...		62,200

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

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

Exd. Shaik Karim.

X ~~His Excellency the Governor,~~
~~Sir Henry Bliss. K.C.I.E.~~

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Funds for Muniyeru Project

Recon... list WH 26/8

9 P

UNDER date the

READ the following

Print

From the Supery. Engineer, Second Circle. (H.E. No. 127-BC, dated 15-7-97).

From the S. do — do — (H.E. No. 1077-KN, dated 15-7-97).

without statement

No. 143-I of 28-7-9...)

Submitted to Government.

2 Of the additional grant of Rupees 41,600 required for the Muniyeru project, Rupees 15,000 may be met from the surrenders proposed by the Supery. Engineer, leaving Rupees 26,600 still to be provided. This amount may be appropriated from the surrender of Rupees 37,366 made from the Buckingham Canal, the balance of the surrender being held in Reserve under Minor Works for which neither Capital nor Revenue Accounts are kept, Original Works.

The Supt. Engineer states in his report of 13.7.97 that he considered it of importance to hurry on this work. But, surely this does not justify the ignorance of the liabilities incurred, which is confessed in the Ex: Engineer's letter of 8.7.97, paras. 1 & 2. Has not the Ex: Engineer some means of checking periodically, expenditure on works, as it is incurred.? If he has not, he ought to have. I decline to sanction this, until I have a fuller explanation. I am surprised that the C.E. should have submitted this Draft Order without an explanation.

A.S.H 11.8.97

To.
P.W.D. - Irrigation
Please circ. to Hon. Sir Henry Bliss K.C.I.E.
C.W.B.
29.7.97

31/7/97.

It would not be economical to X.

To The Secretary to Govt., Financial Dept, for favour of counter-initials with reference to G.O. No. 233 Financial, dated 11 April 1896.

Order thereon. 804 I 97
2-9-97

The following transfers of funds

funds are sanctioned :- | 2.A.H

43, Minor Works and Navigation.

From

Minor Works for which Capital and Revenue Accounts are Kept.

	Rupees.	Rupees.
Capital Account.		
Buckingham Canal.		
Works.	37,366	
Establishment.	8,594	
		45,960.
Minor Works for which neither Capital nor Revenue Accts. are Kept. P.W.D.		
Kistna Northern division		
Major Original Works.	13,000.	
Establishment.	704	
Tools & plant.	46	
		13,750.
Agricultural Works.		
Kistna Northern division.		
Repairs.	2000	
Establishment.	460.	
Tools & plant.	30.	
		2,490
		Total 62,200.

To

Minor Works for which Capital & Revenue Accts. are Kept.

	Rupees.	Rupees.
Capital Account.		
Coonum Improvement Scheme.		
Works.	889	
Establishment.	204	
		1093
Munnigern Project.		
Works.	41,600	
Establishment.	9,568	
		51,168.

A.H 26.8.97

Minor Works for which neither Capital nor Revenue Account are kept. P.W.D.

Reserve.		
Minor Original Works.	9939	
		9939
		Total 62,200.

W.H 23.7.97

22/7 17.

31/7/97

Issue
W.H.

To

The Chief Engineer for Irrigation

" Supg. Engineer, Second Circle ~~on~~ Mss

" Examiner, P.W. Accounts.

{ D 18/4/7 } 27.8.97

Desp. to S.E. II direct on 27/8.

Thro F. E. I

CCS 20/7/97

Noted

KD 23.7.97

Seen - But all this is for H.E. to consider, not for me

HS
23/8/97

10

-7- stop the work at its present stage

So I think the transfers proposed should be sanctioned. I am not sufficiently acquainted with the routine of P.W. operations to say whether the Exec. Engr. should have known at an earlier date the liabilities he was incurring over & above his grant. No doubt the C.E.I. will reply to H.E.'s remarks on this head -

HS
13/8/97

The Exec. Engr. would know the gross expenditure for any month by the 10th of the succeeding month but he would not see details of expenditure until near end of month and he would not then know the amount of liabilities except for measured work. Separate progress reports for each of the large works come in somewhere about the middle of the month and these show approximate value of work done side by side with booked outlay but as they are only for some works and may or do not all come together it cannot be said they give much information as to liabilities. The Sub-dvl. Officer should have known in good time what the work ordered to be done would cost and warned the Exec. Engr.

The works being in a locality threatened with famine endeavours have been made at end of last year and beginning of this to grant funds enough to keep the works in good progress - It is as rare as it is gratifying to find grants worked out within first quarter of the year and for that reason I think the Exec. Engr.'s error in not having the cost of the work he ordered estimated and reported might be overlooked – The revised estimate was first promised for February then for June and lastly for July – see last two letters in file – It ~~has~~ is presumed that it has been made as the amounts are given in the statement attached to the Supt. Engr.'s last letter but it has not yet reached my office

It would be uneconomical to stop the works, the interest on the money sunk being probably Rs 12000 a year. As the grant it is now proposed to give will be expended mostly in paying liabilities, probably a further grant could be utilized. The work of the Department has been so upset by the withdrawal of men from the non-famine to the famine districts I expect a large portion of the grants will be surrendered and there should be funds available to keep the Muniyeru works going – There is not enough establishment to do much immediately the Subdⁿ. Officer having only one upper subordinate to assist him.

W. H.
I

23. 8. 97

The draft order is now passed. But, it is to be regretted that the Ex. Engineer & the Divisional did not keep themselves informed of the progress of the expenditure on the works.

A. E. H. 26. 8. 97

E. I. Form No. 1—500—3-12-96.

Public Works (1897) Department.

CURRENT No. 8750

8049

Order

From

The Chief Engineer
for Irrigation

No. 143 : I.

Dated 23. 7. 97

Received 1. 9. 97

Enclosures 3

Spare copies

SUBJECT.

Allotment of funds for Muniyeru Project – Suggesting certain –

See within
issue

Initd W. H.
27/8/97

20-7-97

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

9

Public Works (1897) Department.

CURRENT No. 239 K.S.

From

Major W. L. C. Baddeley R.E.
Supg. Engr. II Circle.

Order

No. 1077 K.N.

Dated 15 July 1897
Received 19 — Do —
Registered
Enclosures 1
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SUBJECT.

Grant for Munizera Project to meet liabilities incurred Requesting provision for addl. gr —.

239

[illegible]
[illegible] 20/7/97

Transfer the sums taken from B. C. to the Project [illegible] allotment & for instructions [illegible] & budget allots [illegible]
RCS 18/7/97
RCS 20/7/97
[illegible] 20-7-97

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

418

Statement showing the li
Sub div for the year 18

SUPDG. ENGINEER'S OFFICE
No. 11467 W.
8 JUL: 97
P. W. D.
SECOND CIRCLE.

Names of works

Head Works.

1 Anicut across Muniyeru
2 Under Sluice to Muniyeru
3 Head Sluices for Main ch
4 Repairs to anicut ap

Under Tunnels

1 Constructing under tunnel no 1 at 2
2 — do — do — at
3 — do — do — no 3 at 3
4 Do — Do — at 4
5 — Do — Do — at 6

Drops along Anagarlapadu Distributary

1 Constg Drop no 1 at $\frac{0}{4}$ of Do
2 — Do — Do — no 2 at 1m $\frac{3}{4}$f of do
3 Do — Do — no 3 at 1m $2\frac{1}{2}$f of do
4 Do — Do — no 4 at 1m 4f of do
5 do — Do — no 5 at 1m 6f of do
6 do — do — no 6 at 1m $7\frac{1}{2}$f of do

Drops along Gummadedur Branch No. I

1 Drop no 1 at $\frac{0}{1}$ of Do Do
2 Do — no 2 at $\frac{0}{3}$ of Do Do
3 Do — no 3 at $\frac{0}{5\frac{1}{2}}$ of Do Do
4 Do — no 4 at $\frac{0}{7\frac{1}{4}}$ of Do Do
5 Do — no 5 at $\frac{1}{\frac{1}{4}}$ of Do
6 — Do — no 6 at $\frac{1}{1\frac{1}{4}}$ of Do
7 — Do — no 7 at $\frac{1}{6}$ of do

Drops along Gummadedur Branch No. II

1 Drop no 1 at $\frac{0}{1}$ of do do
2 Do — no 2 at $\frac{0}{1\frac{3}{4}}$ — do
3 — Do — no 3 at $\frac{0}{2\frac{1}{2}}$ of Do
4 — Do — no 4 at $\frac{0}{3\frac{1}{2}}$ of Do
5 — Do — no 5 at $\frac{0}{4\frac{1}{2}}$ of Do
6 — do — no 6 at $\frac{0}{6\frac{1}{4}}$ of Do
7 — Do — no 7 at $\frac{0}{7\frac{1}{2}}$ of Do

Miscellaneous Repairs Tools & Plant & exe }

2.3.40
2956/57

8/7/97

Executive Engineer
Madras Northern Div

Mr. Cotterell

BACK PAPERS.	
No.	Date.

FURTHER PAPERS.

equired for the works in Muniyeru

ount ently quired this year	Remarks.
7	8
·	Completed
700	— do —
900	— do —
150	— do —
50	
1800	Completed ~~exp~~ except pointing & parapets
1000	Completed except pointing.
800	Completed.
400	— do —
2000	
160	

Letter from Captain W. M. Ellis

Statements showing the liabilities incurred and the amounts

Sub Dn for the year 1896-97.

U.P.G. EN[illegible]EER'S OFFICE
No. 11461
8 JUL: 97
P. W. D.
SECOND CIRCLE.

	Names of works	amounts of Estimates as revised	Expenditure up to end of March 1897.	Balance remaining	Amount that can be spent this year	Amount of liabilities incurred
	1	2	3	4	5	6
	Head Works.					
1	Anicut across Muniyeru	37,000	36,610	390	·	·
2	Under sluice to Muniyeru	9,100	7,973	1127	700	700
3	Head Sluices for Main channel	10,100	9437	663	900	900
4	Repairs to anicut apron	7250	6604	646	150	160
		63450	-	-	1750	1750
	Under Tunnels					
1	Constructing under tunnel no 1 at 2 m 3½ fur	9300	7024	2276	1800	1800
2	— do — do — at 2 m 7 f	2300	1294	1106	1000	1000
3	— do — do — no 3 at 3 m 3 f	4600	3637	963	800	800
4	Do — Do — at 4 m 2 f —	3150	2590	560	400	400
5	— Do — Do — at 6 m 5 f	10,500	7,746	2754	2,000	2000

---

						from want of funds.
690	400	2290	2000	1700	2000	Completed except the last 3 furlongs.
000	350	4650	4000	3000	3000	Rebbavaram distributary completed except the last 2 furlongs & Bodupadu branch not started.
970	·	970	800	700	700	Completed except sectioning.
580		580	500	400	400	— Do —
2730		2730	2500	2000	2000	— Do —
3260		3260	3000	1500	2000	— Do — except the last half a mile & the work is ordered to be stopped ~~for~~ from want of funds.
1900		1900	1500	·	300	Not Started from want of funds.
35270			61600	41750	48100	

1	Constg drop at $\frac{0}{1}$ of Do Do	330	-	330	300	100
2	— do — Do $\frac{0}{3}$ of Do Do	330	-	330	300	100
3	— Do — Do $\frac{0}{1\frac{3}{4}}$ of Do Do	360		330	300	100
4	— Do — Do $\frac{0}{2\frac{3}{8}}$ of Do Do	360		330	300	100
5	— Do Do at $\frac{0}{3\frac{3}{4}}$ of Do Do	320		[illegible]20	300	50
1	Constg drop at $\frac{0}{3\frac{3}{4}}$ on Alurpad distributary	135		135	130	130
		1835		1630	580	

440			1300	1300	1300	
1400	1031	369	-	-	-	Completed except pointing & revetments
1400	413	987	1900	1900	1900	Nearly Completed
1580	438	1142	1000	1000	1000	Completed except revetments
1640	-	1640	1600	1600	1600	Completed
1640	223	1417	1300	1300	1300	— Do —
1750	303	1447	1400	1400	1400	— Do —
1500	545	955	900	900	900	— Do —
2670	733	1937	1800	1800	1800	Completed except the fixing of Shutters
850	-	850	800	800	800	Completed.
2020	115	1905	1800	1800	1800	— Do —
3890			13800	13800	13800	
530	-	530	500	300	500	Arch turned
450	-	450	400	~~400~~ 250	400	— Do —
1070	-	1070	900	900	900	Completed except the fixing of Shutter.
560	-	560	600	300	500	Arch turned.
550		550	500	500	500	Completed except pointing.
510		510	450	250	400	All necessary materials collected & Concrete laying started
500		500	450	250	400	— Do —
540		540	500	300	450	— Do —
480		480	400	400	400	Completed except the fitting in Shutters.
470		470	400	400	400	— Do —
50		50	50	50	50	Completed.
5710			5050	3900	4900	
000	111,373	-	30,000	25,000	28,000	Completed except the Sectioning.
6850	4902	1898	1000	1000	1000	Completed.
2000	1247	753	400	-	-	Fixed for a certain length only
8200	1800	16400	15,000	6,000	8,000	Earth work Completed in the 1st 4½ miles.
540	-	540	450	350	350	Completed nearly
550	[illegible]	550	450	100	350	Touched only at the tail end & the work [illegible]

	Drops along Penuganchiprolu Channel						
1	Drop No I of Penuganchiprolu Chl at $\frac{0}{3}$	390	-	390	390	-	
2	— Do — No 2 of — Do — at $\frac{0}{4}$	390		390	390		
3	— Do — No 3 of Do — at $\frac{1}{5\frac{1}{4}}$	340		340	340	150	
4	— Do — No 4 of Do at $\frac{2}{1}$	400		400	400	150	
5	— do — No 5 of do at 3m $\frac{1}{2}$f	310		310	300	100	
6	— Do — No 6 of — Do — at 3m $4\frac{1}{4}$	320		320	300	150	
7	— Do — No 7 of Do — at 4m $3\frac{1}{2}$	410		410	400	-	
8	— do — No 8 of do at 5m $\frac{1}{2}$f	300		300	300	-	
9	— do — No 9 of Do at 6m $\frac{1}{4}$f	290		290	290	-	
		3150		3110		550	19
	Drops along Ribbavaram Chl & its Bodapadu Branch						
1	— Do — ~~at~~ No 1 at $\frac{1}{0}$ of — Do —	400		400	350	-	
2	— Do — Do — No 2 at $\frac{1}{1}$ of Do	400		400	350	-	
3	— Do — Do — No 3 at $\frac{1}{2}$ of Do	400		400	350	-	
4	— Do — Do — No 4 at 1m $\frac{3}{4}$ of Do	400		400	350	-	
5	— Do — Do — No 5 at 1m $4\frac{1}{4}$F of Do	190		190	190	-	
6	— Do — Do — 2m $3\frac{1}{2}$f of do	260		260	250	-	
7	— Do — Do — 2m $7\frac{1}{4}$f of Do	280		280	250	-	
8	— Do — do — 3m $\frac{1}{4}$f of Do	280		280	250	-	
9	— do — Do — at $\frac{0}{3}$ of Bodapad Chl of do	180		180	100	-	
10	— Do — Do — at $\frac{0}{4}$ of Do	180		180	100	-	
		2970		2640			1
	Drops along Muchintala Distributary No. II						
1	Constg Drop at $\frac{0}{1\frac{1}{2}}$ fur on Muchintala Dist. No 2	390	-	390	350	100	
2	— Do — at $\frac{0}{2\frac{1}{2}}$ of — Do —	390		390	350	100	
3	— Do — at $\frac{0}{3\frac{1}{2}}$ of Do	390		390	350	100	
		1170		1050		300	4
	Drops along Muchintala Distri- No. III						

440 | 1300 | 1300 | 1300 FURTHER PAPERS.

470	◦	470	400	100	250	Materials brought to site
470		470	400	100	250	— do —
470		470	400	100	250	— do —
440		440	400	100	250	— do —
440		440	400	100	250	— do —
350		350	300	100	200	— do —
640			2300	600	1450	
80		380	350	200	300	— do —
10		410	400	150	300	— do —
430		480	400	150	300	— do —
430		480	400	150	300	— do —
440		440	400	150	300	— do —
440		440	400	150	300	— do —
210		210	200	150	200	— do —
40			2550	1100	2000	
60		360	350	〃	〃	Not started from want of funds.
70		370	350	〃	〃	— Do —
370		370	350	〃	〃	— Do —
370		370	350	〃	〃	— Do —
80		380	350	〃	〃	— Do —
80		380	350	〃	〃	— Do —
80		380	350	〃	〃	— Do —
410			2450	〃	〃	
8			7000	640	5640	
~~905~~ 905			137330	97470	114710	

CHIEF ENGINEER
FOR IRRIGATION.
19 JUL. 1897
No. 239 KS

Letter from Captain W. M. Ellis, R.E. Exe. Engineer, Kistna Northern Dn. to the Supg. Engineer, 2nd Circle, dated 8.7.97, No. 254 S.E.

I regret to have to report that a serious excess of liabilities over grant under 43. Capital (Provincial Irrigation) has already been incurred on the Muniyeru Project works to the extent of Rs 24,000 odd.

The amount of these liabilities has only just come to my knowledge and considerably exceed what I had anticipated although I knew that the amount of the grant must be nearly spent.

2. I propose to explain now how the liabilities so greatly in excess of allotments have been incurred without my knowledge and to represent the whole matter for your consideration and orders.

3. When I inspected the works last February after assuming charge of the Dn. the state of affairs was briefly as below:—

The great part of the excavation of the main channel up to 22 miles 6 furlongs was out with the exception

of

of the removal of a series of reefs of hard gneiss obstructing the channel principally in the first mile but also in the 5th and 9th miles.

The masonry works throughout the Channel were well advanced and the contractors for the work (Messrs. Putman & Ritchie) were under contract to complete the whole (except 6 miles under execution by other agency) by 30th June 1897.

It will be seen that in order to reap the fruits of the works thus well advanced during the Coming Irrigation Season it was necessary to put in hand and push vigourously.

(a) The removal of all obstructing rocks.

(b) The excavation of distributaries.

The alignment of 2 or 3 minor distributaries had been investigated at the time of inspection but no work commenced and the alignment finally selected was not laid out on the ground.

3. At the time I speak of it was known that the original Estimates for the project would be exceeded by

by considerable sums and that the provision for distributary Channels for which no detailed Estimates had ever been made was altogether inadequate. The revised Estimates for the works were in hand and promised to be ready in June which time has since been altered to July owing to withdrawal of Establishment for famine works.

4. The orders given by me were to finish the works and remove all obstructions on the main Channel up to $\frac{22}{6}$ and to align design and put in hand the distributaries served by this length of Main Channel and push these works without waiting for the revised Estimates so as to be able to open the Channel to 22 m. 6 fur. in July.

5. The procedure adopted was to survey align and design the distributaries and after scrutiny of the design and approval by me to order the work being

proceeded

proceeded with at once.

It is to this that I attribute the excesses over my grants that I have incurred; the cost of the distributaries in the first 22 miles amounting to an estimated sum of Rs 36680 for earthwork and Rs 17095 for drops and masonry works (excluding head sluices) against the provision in the original estimate of a total Rs 19,380 for the whole channel 27 miles long.

The expenditure and liabilities to date on Distributaries amounted to Rs 15,750 for earthwork and 4880 on masonry drops.

6. The present state of the distributaries is such that to bring the most important of them into operation, a further sum of Rs 12,000 will be required to be spent at once, most of this being for masonry drops in the first mile of each channel without which the efforts already made to bring the lands under the channel water this year will be ineffectual and in only one channel (Lingala Distributary) can water be given without further expenditure. It is not anticipated that even if water be given a large Revenue will be realized this year, and the ryots decline to make a move to prepare their fields until they see the water, but if the water is not run into the channels this year it is probable that next year will see the same backwardness on the part of the ryots and much Revenue may be lost in consequence. It is for Government to consider whether the Rs 12000 required to create thorough confidence can be given. There is no doubt that in the interests of true economy such a grant would be most desirable.

7. In addition to the above a further allotment of Rs 5000 for maintenance of the newly completed main channel, anicut, Head works &c &c will be absolutely

absolutely necessary to prevent great loss to Government by injury and deterioration of the new works which must be carefully maintained during the earlier years, and petty repairs &c carried out as may be found necessary after every heavy storm.

8. The financial state of affairs are briefly summarized below:-

Original allotment in Preliminary Budget	Rs 81,000
Allotment in final issue of Budget communicated 9th June 97	" 72,870
Expenditure to end of May	" 20,000
Allotments asked for for June	" 28,000
	48,000
Liabilities ascertained to have been incurred on totalling up the revised Estimates	Rs 97,470.
Actual excess of liabilities over allotment	" 24,600
Further sum absolutely necessary to maintain works	5000
Addition to grant absolutely necessary	29,600
Further sum required if water is to be given this year and the granting of which is highly desirable	12,000
	41,600

This does not include the prosecution of works as they ought to be carried out which is given in column 5 of attached statement but is a minimum for the purposes named.

9. To provide for this out of funds allotted to this Dn is, I fear, altogether impossible but the following sums can be spared for transfer.

From 43. Original works, Capital and Revenue accounts not kept.

Ipur tank scheme (the works are stopped for want of establishment).	Rs 7000
Janapad tank scheme (The works on this have now been ordered to be stopped.)	" 6,000
43. Agricultural works, River Conservancy	2000
Total	Rs 15,000

This leaves a grant of Rs 14,600 to be provided outside the Dn, if it is decided to stop everything except necessary maintenance. If the further work recommended is done the sum required will be Rs 26,600.

10. Subjoined is a statement in detail of the liabilities actually incurred and sums required urgently to put the distributary channels into partial operation, together with amounts of revised estimates now prepared for all works up to 22 m. 6 fur: and expenditure on the same to 31st March 1897 and liabilities incurred since that date.

Encl. 1

No. 1077 K.N
15.7.97

Forwarded to the Chief Engineer for Irrigation.

2. Most of the masonry works left incomplete by the end of March 1897 have been taken up this year and are nearly finished.

Grant assigned for the Muniyeru Project in the final issue of the Budget for the Current year ——— Rs 72,870

Amount of liabilities already incurred Rs 97,470

Amount required for the maintenance of Hd. works &c } " 5,000

- do - required if water is let out this year } 12000 — 114,470

41,600

41,600

Amount proposed to be transferred from other sources in the Dn. Rs 15,000

Additional amount required to be transferred from other sources 26,600

41,600

The Supg Engineer considers that it is of the greatest importance to complete this project as soon as possible for the ryots in the neighbourhood are not accustomed to irrigate from river channels and it will shake their confidence in the project if water is not let down this season. Also the Nandigama taluq is one which is liable to distress in times of scarcity of food and the area to be grown with rice under the Muniyeru Anicut System will be an important addition to the food supply of the district.

If it is impossible to provide the funds from other sources, the Supg Engineer will endeavour to do so from the grants for less important works in the Circle.

13 7/97

Dt. 13 7/97 for Supg Engr. Ex. Engr. 2nd Circle

CHIEF ENGINEER
FOR IRRIGATION
19 JUL. 1897
No. 239 Ks

Public Works (1897) Department.

CURRENT No. 27 B.C.

Order

From The Supt Engineer
II Circle.

No. 127 B.C.

Dated 15 – 7 – 97
Received 19 — do —
Enclosures
Spare copies

SUBJECT.

Application for a re-appropriation of "Budget grants — Forwards — for the Buckingham Canal Dn."

Draft disposal for approval.
20/7/97

Recd 20/7/97

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
R 28. B.C.	19.7.97

P. W. D. Form No. 41 H.

Application to the Government through S.E. II Circle for a re-appropriation of Budget grants.

Proposed new grant.

Departmental and service head.	Item No. of Budget.	Works.	Amount of estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed increase.	Grant as now proposed.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
		43. Minor Works and Navigation for which Capital and Rev: Accounts are Kept.						
		Cooum Improvement Scheme.						
		Capital works	-	-	-	.	A 889	889

Proposed reduction.

Departmental and service head.	Item No. of Budget.	Works.	Amount of estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed reduction	Amount at which grant for work will standafter reduction.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
		43. Minor works & Navigation for which Capital & Rev: accounts are Kept.						
		Buckingham Canal						
		Capital Works	.	.	69,878	69,878	B 37,366	32,51

No 728

Forwarded to the Supg. Engr.
2nd Circle.
(Sd) J. E. Paul
Ex. Engr: B. Ca

Dated the ____________ 189 .

Orders by the Government of ____________

Secy. to Government of ____________
P. W. Department.
(Signature)

No. ________, dated the ____________ 189 .

NOTES.

Reference to P. W. D. Code.

Vol. II, Chapter IV, para. 135 (h).

1. This form should be used by the Executive Engineer in any of the following cases:—
   - (*a*).—When he requires a grant, or an addition to an existing grant, is required for carrying on a sanctioned major work.
   - (*b*).—When he is unable to utilize the grant at his disposal for any work and wishes to resign it either wholly or in part.
   - (*c*).—When he wishes to utilize the grant for one work upon some other.
2. Either of the columns for "Proposed new grant" or for "Proposed reduction," or both, may be used as required.
3. If it happens that the grant already allowed has been reduced, the entry in the column "Existing grant for the current year" would of course be the amount less such reduction.
4. In the case of Irrigation works, the entries in the column "Departmental and service head" should show distinctly whether the proposed re-appropriation is debitable to Capital or Revenue, and the entries in the column "Works" should be so arranged as to show the project to the Capital or Revenue account of which the charge is debitable, and the class of service to which the charge is debitable, thus:—

________________ PROJECT.

(1).—Head works—

(*B*). Land.

(*K*). Buildings.

In cases of Productive public works, the fact of their being so should be noted against the entries.

5. It being of the utmost importance that early intimation of possible lapses, or of excesses, in outlay on works should be communicated to the Government, a close watch should be maintained on the progress of all works by executive officers, and this form employed the moment the facts are sufficiently known.
6. Applications for re-appropriations which require the sanction of the Government of India should be submitted by the local Government in duplicate; applications by Executive Engineers should be submitted through the Superintending Engineers of their Circles.

EXPLANATION OF NECESSITY FOR RE-APPROPRIATION.

A A revised Estimate for Rs1,000 was sanctioned in current year for pegs, lock spitting and boring operations &c in connection with the Cooum Improvement Scheme. Rs111 was expended on the work last year, leaving a balance of Rs 869 to be provided for this year.

As the Estimate for Improvements to the Junction Canal from mile ½ to ¾ will not probably be sanctioned this year, the grant of Rs 32,512 now proposed will be sufficient to meet requirements of current year. Rs 37,366 is therefore surrendered.

(~~Signature.~~)

/sd/ J. E. Paul

Exe: Engr: B. Canal.

P. W. D. Form No. 41.

19 JUL 1897

27 B.C.

PROVINCE.

BRANCH—Buildings & Roads.

CIRCLE— Second.

DIVISION—Buckingham Canal

FUND— Provincial.

Application for a re-appropriation of Budget grants.

No. 127 B.C. *dated the* 15 July 1897.

Forwarded to the Chief Engineer for Irrigation

for sanction if approved.

Wm. [illegible]

14/2/97

Exe Engineer
for Supdg Engr 2nd Circle

*No.*______, *dated the* D. 14/2/97 189

Reg'd

Please register this 19/7/97 [illegible]

This not surrendered [illegible]

[illegible]

[illegible]

[illegible]

[illegible] 18/7/97

20-7-97