4857

Public Works (1897) Department.

G.O., No. 226 W.

DATED 23. January

23/1/97.

[Despatch Abstract.]

Establishment: Sanction accorded to the
entertainment, for specified periods, of cer-
tain survey – in connection with the
Tirukkoyilur anicut system in the South
Arcot Dt.

100/4

T.C. 23/1

[P.W. 28. / 1,000—[illegible]—11-96.]

Indexed. 28/1

BACK PAPERS.

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

FURTHER PAPERS.

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

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

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

G.O., No. 226 W., 23rd January 1897.

JANUARY.

Establishment

Sanction accorded to the entertainment, for specified periods, of certain survey — in connection with the Tirukkóyilúr anicut system in the South Arcot division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer for Irrigation, dated Chepâk, 11th December 1896, No. 312 E.I.

With reference to your memo. No. 13/V., dated 18th November 1895, paragraph 1, I have the honour to forward herewith copies of the marginally-noted documents reporting fully on what is required to put into order the works connected with the Tirukkóyilúr anicut system in the South Arcot division.

2. I also submit herewith for sanction a proposition statement for the survey establishment referred to in the concluding part of paragraph 4 of letter No. 473 S.E., dated 6th June 1896, from the Executive Engineer, South Arcot.

No. 930, dated 16th May 1896, from Assistant Engineer in charge of Cuddalore Sub-division reporting on the state of the Tirukkóyilúr anicut system.

One list of tanks connected with the system and requiring repair.

Letter No. 473 S.E., dated 6th June 1896, from the Executive Engineer, South Arcot, forwarding the above report with remarks.

3. The report stating approximately the number of miles to be surveyed, levelled, &c., accompanies the proposition statement.

No. 97 E.W.

Forwarded to the Chief Engineer, Public Works Department, with a request that the temporary establishment asked for may be sanctioned. It is evident from the reports that the system has been greatly neglected. Four lakhs have been spent on it, the surplus revenue to 1894–95 is three lakhs, the annual revenue is nearly one lakh and the return 9 per cent.

18th December 1896.

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

Office-note from the Examiner, Public Works Accounts, dated 14th January 1897, No. 106 D./E.

Returned with the required certificate.

Order—No. 226 W., dated 23rd January 1897.

Sanction is accorded to the entertainment of the following survey establishment in connection with the Tirukkóyilúr anicut system in the South Arcot division :—

1 surveyor on Rs. 80 per mensem for six months.
5 lascars on Rs. 6 each per mensem for five months.
1 lascar on Rs. 6 per mensem for six months.

2. This sanction has been registered as Provincial No. 67 W. of 1896–97, and classified as Establishment—Temporary.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

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

Exd. Shaik Karim.

Temporary Survey Establishment required for the Tirukoyilur P.W. System, South Arcot Dt

No. 226 W of 23rd January 1897

DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Genl Establt

READ the following

From the Suptg: Engineer, V Circle, No. 312 E. I dated 11th December 1896
Endorsement thereon by the Chief Engineer for Irrign. No. 978 W dated 18 Decr /96
Office note from the Examiner P.W. Accounts No. 106 D/8 dated 14th January 1896

744
20.1.97

Sanction is accorded to the entertainment of the following survey establishment in connection with the Tirukoyilur Anicut System in the South Arcot Division:–

1. Surveyor on Rs 80 per mensem for 6 months.
5. Lascars on Rs 6 each per mensem for 5 months
1. Lascar on Rs 6 per mensem for 6 months.

2. This sanction has been registered as Provincial No. 67 W of 1896-97 and classified as Establishment, Temporary.

To
The Chief Engineer for Irrign.
" S.E. V Circle
" Exar. P.W. Accts

18/1/97

P. W. 40.
1,000–11–11–96

Public Works (1897) Department.

CURRENT No. 485

Order

From The Examiner
O. W. Accounts
Madras.

No. 1068/E

Dated 14th January 1897
Received 15.1.97
Enclosures 7. 8th 18-1-97
Spare copies

SUBJECT.

Works connected wi
the Tirukoilur Anic
System. Returns with
the required certificate
proposition statement.
for temporary estab-
lishment for ——

B

H.E.19/1, R22/1.

BACK PAPERS.

G.O.	No.	Department.	Date.
memo	96 C	P.W.	7-1-97 ✓
G.O.	839 W	"	7-3-96 ✓

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Public Works (1896) Department.

E/3. 9/1

CURRENT No. ~~4576~~

EXAMINER,
P. W. ACCOUNTS.
9 - JAN 1897
No ....

No. 96 C of 7th Jany 1897
~~Order~~

Ir 6

For favour of check as regards "Present scale." —

6/1/97

30 B/

Lo. W. No. 106 D/E dated 14th Jany 1897

Returned with the required certificate.

From The Chief Engineer for Irrigation

No. 97 E.W.

Dated 18 12 96
Received 19.12.96
Enclosures 7
Spare copies

SUBJECT.

Works connected with the Tankkodas ancient systems — Forwards copies of documents reporting on the requirements of the — with a request that the temporary establishment noted for [illegible] be sanctioned

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Public Works (1896) Department.

E. 8
~~4.85~~

CURRENT No. ~~31~~ 483/97

EXAMINED,
P. W. ACCOUNTS.
9-JAN 1897
No.........

Order

No 97-Ewdy 18·12·96

Forwarded to the C Engr PWD with a request that the temporary establishment asked for may be sanctioned. It is evident from the report that the system has been pretty neglected – 4 lakhs have been spent on it; the surplus revenue to 94-5 is 3 lakhs, the annual revenue is nearly one lakh and the return 9 per cent

15/12/96 W Hughes

From The Superintending Engineer V Circle

No. 312 E.J.

Dated 11th December 1896.

Received ~~16~~ 15.1.97 ~~12 96~~

Enclosures 6

Spare copies

SUBJECT.

Works Connected with the Tirukkoilur anicut system —

Forwards copies of documents reporting on the requirements of the —— and also submits for sanction a proposition statement

B.R.
16·12·96

16/12

D.E.J.

B.R.
17·12·96

16/12

19-1-96

6

BACK PAPERS.

G.O.	No.	Department.	Date.
913-V	7/18-11-95		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 930

Camp Madras
16/18 — 5-96

EXAMINER,
P. W. ACCOUNTS
9-JAN 1897
No.

From

The Assistant Engineer
Cuddalore Sub Division

To

The Executive Engineer
South Arcot Division

Sir,

With reference to your endorsement No. 3335 dated 2nd December 1895, I have the honour to report on the state of the Tirukoilur Anicut System as follows:-

Construction
Est. closed
Mch 1895.
Occupied Area
about 27000 Acres
Revenue in good
Years about 1 lakh
Capital account
about 4 lakhs
Surplus Revenue
to 94-5. 3 lakhs
Return in 94-5
9 per cent.

I may commence by saying that the anicut and head works are in very good order.

Tanks. There are in all 67 tanks which are fed by channels taking off from the anicut and to keep these in order a very considerable sum must be spent annually, as only a certain number can be taken up yearly.

2. I am of opinion that the amount of money that has been spent in repairing these tanks has been considerably enhanced by the system that has been in vogue in carrying out work to them. There is no turf or stone, generally speaking, available for the protection

of

of slopes; Estimates were made for raising bunds to their proper height with earth unprotected, rates for earthwork were lumped up in one sum, including tamping and sectioning, very little in the way of supervision has been given to the works and the consequence has been that Contractors have been left to throw up earth, on to the bunds, pretty much as they liked, with the result that in a year, or two, after a tank had been repaired it was in as bad a state as ever. In fact it is not too much to say, that, not only this system, but the Sub Division at large has been sadly neglected for years, how many I am not in a position to say. It must however, I think, in fairness to the officer in charge, be noted that up till quite recently he has been single-handed, that it was simply an impossibility that any one man could do the work of the Sub Division and that, it has not been done. Work had, to a considerable extent, to be left to petty maistries and it is not necessary for me to point out what that means. To mend matters somewhat, in respect of the repair of tanks, all estimates that have

been

Exec. Engineers
Davidson Feb 91 – Nov 94
Wilson Feb 95 to date

Mr Ford has himself been in charge since June 1895

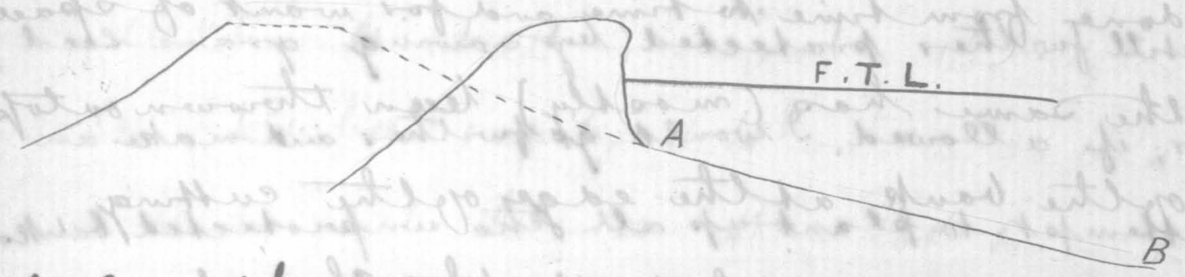
been submitted lately have contained a provision for protecting the inner slopes with tank grass and the rate for earthwork has been divided, so as to make the tamping and sectioning entirely separate items and with better supervision a better class of work may be looked for. I would suggest that the fresh earthwork done to the tanks should be still further protected by sowing grass seed, or, if allowed, I would go further and make an attempt to plant up all the unprotected banks with Harihalli root grass. It would be necessary in the case of the first few tanks so treated, to buy the roots, but a very small establishment employed on these would be sufficient to cultivate it to such an extent that roots would be available for other tanks. At any rate, it is I think well worth a trial, it would not be very costly and would, I feel sure, be the means of effecting a large saving in the future, by making the banks last two or three times, or more, the time they last now. A list of the tanks in the system accompanies this report, which shows approximately the amount of money

that

Would involve great expense

Would not grow without constant watering in places where it does not grow naturally that would have tobe spent to put them all in good order.

3. Another reason why expenditure has been so great is, in my opinion, that we make the slopes of the banks much too steep. The section in the margin shews pretty generally what the bund of a tank is like when it is in need of repairs.



A-B is the natural slope and the slope at which earth would stand almost indefinitely and the proper thing to do would be to carry up that slope to the height required. But the cost of doing this all at once would make it prohibitive. It ought however, I think, tobe worked up to as far as possible, as tanks are repaired, and I have no hesitation in saying that the nearer we approach to this for the inner slopes of our tank bunds, the less will be the ultimate cost of the maintenance of our tanks.

not necessary above FTL

Channels — 4. These, with the exception of

of

of the Pambay Channel and some small branch Channels, were all in existense before the anicut was built, they never were, evidently, cut to section, their sides are vertical, or nearly so, and very much overgrown, mostly with prickly pear bushes and they ~~wend~~ wind in a most tortuous manner ~~in~~ in their course. Clearing silt, has been done from time to time and for want of space, the same has (mostly) been thrown on top of the bank at the edge of the cutting, ready tobe washed into the Channel again on the occurrence of the first shower of rain.

The Channels are taken in order from the South, the Southernmost being:—

Marutheer Channel — This is a small Channel, only 3 miles in length and but very little need be said about it. At present it irrigates only (direct) the fields of Marutheer. An attempt was made some years ago to cut a branch to feed the Kudiyur tank, but was never completed. The scheme is feasible, levels have been taken and an estimate for the completion of the branch Channel is under preparation.

Sithalingamadam

Tithalingamadam Channel. This is a larger channel than the above, it supplies the tank of its name, which is a large one, as well as irrigating a large quantity of land direct. The remarks at the head, about winding course & vertical sides and overgrowth apply, very strongly.

Ragavien Channel. This may be said to be the most important Channel in the system, the majority of the tanks therein being fed by it. It is in fair order, (except for the banks being considerably overgrown with prickly pear and it being silted up, about two feet) to a point about four miles from its head, where it is crossed by road No. 26, by means of a bridge of 24 feet span. Below this the banks, especially the left, are low, very much worn and eroded. That the left bank was very much higher is evident from the appearance of the masonry works in it. The lowness and weakness of the bank is the cause of the breaches whenever there is anything like a heavy fall of rain in the locality. Portions of the 9th and 10th miles have all the appearance of a jungle stream, no banks being visible.

No good clearing this it would immediately silt up again.

An

An outlet in 7 mile 3 furlong was fitted with self acting shutters, which have been removed, probably because the bank being so low, the water in the Channel has never, for years, gone near the outlet. The Elandorai tank surplus falls into the Channel at 7-2, this caused a breach last year, above the aqueduct in 7-3, although an outlet is in existence almost immediately below the aqueduct, which would have been ample for the discharge of the surplus water, had the banks of the channel been in proper order. There are numerous shoals in the bed of the Channel, caused mostly by prickly pear having been thrown in, it is presumed, by ryots who have cleared the same from the banks of their fields. Several of the head sluices, notably those for the Elandorai and Tiruvennanallur branch channels, are very old and in a very bad state and require to be renewed. There are four syphon sluices from the Sevalai tank the lower ends of which, instead of being in the left bank, as they ought to be, are standing in the bed of the Channel, these should be lengthened.

The

The most important branch from this is the Amur Channel. This has practically no banks for the greater part of its length, and in those portions where signs of banks might be expected to be found, the sides of the Channel are so densely overgrown with prickly pear that it is absolutely impossible to inspect them. Although this Channel supplies several large tanks it meanders about among the fields just like an ordinary irrigation Channel from a tank and the ryots, in numerous places, put up dams, make cuts and drain off the water to irrigate their fields direct, evidently just as they please. At a point not far from the head, the left bank breaches, or is breached, every year. The Channel receives a large quantity of surplus water which backs up and submerges cultivated land in the village of Sithilingamadam; an outlet is very badly wanted here.

Malattar Channel. From the head for a distance of about three furlongs, the banks are fairly well marked, but very uneven and much overgrown. At this point however

the

the left bank ends, for over a furlong in length, and in floods the river and Channel are one. Beyond this there are signs of banks, but they have the appearance of having been formed more by the throwing up of heaps of earth from the fields than in any other manner. These also are very much overgrown, in fact a portion of the 3rd and the greater portion of the 4th miles cannot possibly be inspected owing to the growth, which is chiefly prickly pear. The remainder of the 3rd mile is another jungle stream in appearance, no banks being visible. Some of the furlong stones, which it is presumed once stood on the inner slope of the left bank, may now be seen standing in cultivated land and this land seems to have been demarcated in the recent settlement of the District.

Several of the offtake Channels have no head sluices. What is now the upper portion of the Pyur Channel seems to have been the Old Malattar. The Pyur head sluice was built and a diversion cut, from just above it, some 8 or 9 years ago. This new cut is about

2 3/4 miles long and is in very fair order but it requires to be measured and mile and furlong stones provided. From this point downwards the Channel may be said to be the Malattar river, for it is here that that river commences. But there is seldom any water in it and the Channel finds its way in a zig zag manner along the bed.

Pambay Channel_ This is a comparatively new work and is in very good order. A small breach occurred in the right bank last year, but it is thought that it must have been due to leakage, through a revetment near the Kalpat head sluice. All the tanks fed by it are in good order except two, Kalpat and Mambalapet, and for the repairs of these estimates have been submitted.

5. In conclusion I would recommend that estimates be submitted for the clearance of the banks of the four Southern Channels and when this is done a Surveyor be employed (on an estimate sanctioned) for the purpose of making a complete Survey of them and estimates for their

requirements

requirements, with a view to the lowering of annual expenditure, economizing of water and thus increasing the revenue.

I have etc

(Signed) A.C. Lord Lieut
Assistant Engineer
16.5.96

(True Copy)

11.12.96
Lieut-Col RE
Superintending Engineer, 5 Circle.

B
10.12.96

CHIEF ENGINEER
FOR IRRIGATION.
10 DEC. 96
No. 315
5

Oes 5.6 3
4576/96
483/97

No. 473 I.E. South Arcot Divisional Office

Dated 6th June 1896.

EXAMINER,
P. W. ACCOUNTS.
9 JAN 1897
No.

From

J. S. Wilson Esquire
Executive Engineer,
South Arcot Division,

To

The Superintending Engineer,
5th Circle.

Sir

With reference to Chief Engineer's memo forwarded with your ~~no.~~ 466 S.a. dated 24th November 1895, I have the honour to forward a report from the Sub Divisional officer, from which it will be seen that the special work most needed for the improvement of the Tirukoilu anicut system is the improvement of the Ragavien and Malattar Channels. The Pambay Channel from the left flank of the anicut is in good order, and no special repairs are needed. For the Sitalingamadam and Marudur Channels, though the banks are irregular and the Section of the Channel bad, no urgent special work appears to be needed.

2. As regards the Ragavien Channel, the most important of the four on the right bank of the river, it has ~~considerably~~ been entirely neglected, except for occasional silt clearance, and the whole Channel needs improvement,

mor-

more particularly, as regards its banks, the clearance of shoals the improvement of masonry works and the clearance of jungle are all needed.

These remarks also apply to its branches, notably the Amur Channel, which appears to have been entirely left to the care of the ryots, the provision of additional Surplus works also appears to be required. As regards the Silting up of the main Channel for 4 miles spoken of by the Sub divisional Officer, there will probably be no use in clearing the Channel to full depth of the whole distance, as there would be an immediate inflow of sand from the river. The Silt deposit in this reach does not, I think, increase to any great extent, and if anything is to be done, a clearance on the same plan, as is now being done to the Pelandorai main Channel, would probably be sufficient (viz taking the present bed level of the Channel as the normal and clearance from this level at head to full depth at the 4th mile).

3. Malattar Channel –

For this Channel, the provision of banks, clearance of Jungle, and construction of masonry heads to channels are required.

Encroachments

Encroachments on the land originally belonging to the Channel appear to have occurred.

4. As regards the tanks under the system, the Sub divisional Officer encloses a list showing the probable amount required to put them in good order to be Rs 37,500. Of the whole number of tanks, 24 are shewn as in bad order or in need of repair, and these, I think, can be taken up in the usual manner as estimates are prepared by the ordinary staff of the Sub-division. For the channels, a special establishment will be required probably a Surveyor on Rs 80 for 1 year would be sufficient. If this is approved an estimate will be submitted for the necessary establishment and for the necessary bench marks and jungle clearance.

This is for the tanks only

I have etc.

(Signed) J. S. Wilson
Executive Engineer.

(True Copy)

11/12/96 Lieut.-Col. R.E.
Superintending Engineer 5 Circle

10.12.96

CHIEF ENGINEER
FOR IRRIGATION.
10 DEC.96
No. V 31-5
4

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PWS. 5
1576/96
485/97

EXAMINED,
P. W. ACCOUNTS.
9 - JAN. 1897
No.

Statement shewing mileages of the Malattar and Ragavien channels under the Tirukoilur anicut system to be levelled and surveyed.

Length of the Malattar channel from the head up to 3rd drop	6½ Miles
— do — of the Ragavien channel from the head	18½ Miles
Total length of the two channels	25 Miles
Total No. of cross sections required at each ½ furlong for 25 miles	400
For taking Longitudinal Section	1 Month
— do — cross sections	1½ — do
— do — plotting inking &c. the sections	1½ — do
— for surveying the two channels where required including plotting, inking, &c.	2 — do
Total	6 Months

South Arcot Dn. Office
Dated 29 Nov: 1896

(Signed) J. S. Wilson
Executive Engineer
South Arcot Dn.

(True Copy)
11.12.96
Lt. Col. R.E.
Supdg: Engineer V Circle

10.12.96

CHIEF ENGINEER
FOR IRRIGATION.
10 DEC. 96
No. 31

5

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4576/96
485/97

EXAMINER,
P. W. ACCOUNTS.
9 - JAN. 1897
No.

From J. S. Wilson Esq^re, Executive Engineer, South Arcot Division, to the Supdg: Engineer V Circle, dated 29th Nov: 1896, No 900 S.E. —

Encls:— 2
1 Propn. stt.
1 stt.

In continuation of my letter No: 473 S.E. dated 6 June 1896, and with reference to your No: $\frac{115\,S.A}{C}$ d/ 19th Idem, I have the honour to forward herewith a proposition statement for the Temporary Establishment required for taking levels with survey where necessary, of the Malattar and Ragavian channels of the Tirukoilur anicut system. These two channels, as stated in my number quoted above, are in urgent need of repair, and as the total length of the two channels is 25 miles, the present establishment has not the time to devote to the matter. The banks of both channels are much overgrown with prickly pear, and a separate estimate will be required for the immediate clearance of so much of this as is necessary to admit of levels being taken. I request that early sanction may be obtained in order that the work may be begun as soon as possible after the rainy season is over.

(True Copy)

11. 12. 96
Lt Col. R.E.
Supdg: Engineer V Circle.

10.12.96

CHIEF ENGINEER
FOR IRRIGATION.
10 DEC. 96
No. 31-5
3

6
Pls. S.et
~~11576/56~~
485/97

List Shewing the name of tanks under Tirukoilur Anicut System with approximate cost.

EXAMINED
P. W. ACCOUNTS.
9 - JAN 1897
No.

Name of Supply Channel	Name of tanks	Cost	Remarks.
		Rs	
Maruthur Channel	Kodiyur tank		
Sidilingamadam Chl.	Sidilingamadam tank		
Amur Kuppam Chl.	Palaya Agaram tank		In bad order
	Pudupaliem tank	4000	Estimate sent in
	Penvavalam		Lately repaired
	Kolathur large	3,500	In bad order
	Ottavanthal	700	Do.
	Kolathur small	300	Not in very good order
	Amur thangal	350	In bad order
	Amur tank	„	In good order
Androyanellur Chl.	Androyanellur	500	In bad order
	Panapakkam	1500	Do
	Mullipallam thangal	500	Do
Akkanur Channel	Akkanur	1500	
	Pavanthur	1,500	
Elanthorai channel	Elanthorai	„	In good order
Periasevalai channel	Periasevalai	„	Do.
Tiruvennanellur Chl.	Tiruvannanellur	-	Do
Saravanambakam Chl.	Saravanambakam	„	Do
Kuvagam channel	Kuvagam tank	.	Just repaired
Arasur Channel	Kathavur tank	500	In bad order
	Thaduthalkandur	„	In good order
	Malayampet	„	In good order
	Anumpet	2000	In bad order
	Gramam	750	Do.
	Arasur and Kamandur	„	In good order
Karathur Channel	Karathur	„	Do
Erundai Channel	Erundai	„	Do
	Parickal tank	.	Do
	Maranodai	„	Do
Athiput channel	Athiput tank	.	Do
Anavari Channel	Anavari tank	.	Do
Parugamput Chl	Parugamput	500	In bad order
Sithanangur Chl.	Sithanangur	700	Do
Tiruvamanellur Chl.	Siruthanur	.	In good order
	Metathur	2500	In bad order
	Tiruvamanellur tank	.	In good order
Madaput Chl.	Madaput	.	Do
Kanthalavady Chl.	Kanthalavady Chl.	500	Requires repairs
Paravananthal Chl.	Paravananthal Channel	400	In bad order.
	Carried over —	22,200	

	Brought forward —	22,200	
Keerapaliyam Chl.	Keerapaleyam tank	〃	In good order
Saralaput Channel	Saralaput	200	In bad order
Sawasipalyam Chl.	Sawasipalyam	〃	In good order
Thaviyananthal	Thaviananthal tank	250	Requires slight repair
Periaput channel	Periaput tank	〃	Good order
Iswarakundavallee	Iswarakundavallee	2500	In bad order
Sirupuliyur Chl.	Sirupuliyur tank	400	Do
Maruthur Chl.	Maruthur tank	〃	good order
	Do small	250	bad order
Sivapattavam Chl.	Sivapattaram tank	400	Do
Valattaur Chl.	Pyur tank	3000	Do
	Seruvanur tank	〃	Good order
	Yemappur	〃	Do
	Kanvarampet	〃	work in progress
	Karaput	2500	In bad order
	Eruvaliput	〃	Good order
Pambay channel	Arkadu tank	〃	work in progress
	Kalput tank	3140	Estimate submitted
	Mambalaput tank	1980	Do
	Mallagaput	700	Requires repair
	Total rupees —	37,520	

CHIEF ENGINEER
FOR IRRIGATION.
10 DEC.96
No. 37 — V

6

(Signed) A. C. Lord Lieut.
Asst. Engineer
16. 5. 96

(True copy)

11/12/96
Lieut.-Col. R.E.
Superintending Engineer
5th Circle

10.12.96

Jce. 8.7
~~4576/96~~
485/97

No. 384 P. W.

P. W. D. Form No. 118
500—7-3-

NOTES.

Reference to P. W. D. Code.

Chapter I, Para. 30.

EXAMINER,
P. W. ACCOUNTS.
9 JAN 1897
No.

MADRAS PRESIDENCY.

Part II

1. All proposals for changes in the scales of permanent establishments must be accompanied by a statement in Part I of this form when the changes relate to the engineer or upper subordinate establishments and in other cases by a statement in Part II of this form.

2. The column headed "present scale" should invariably show the existing *sanctioned* scale (not the strength of the establishment as it actually stands at the time), and should be verified by the Examiner before the statements are forwarded to the sanctioning authority.

Tabular Statement to accompan
proposals for changes in establishments.

P. W. D. Form No 113. MADRAS PRESIDENCY P. W. D. Form No. 13.

Part II. Part II.

Statement of proposition for revision of establishment.

Order sanctioning present establishment. Govt. of P. W. D. No.	Date.	Office to which the proposition refers.	Present scale No.	Designation.	Pay Minimum.	Increment.	Maximum.	~~Average or~~ fixed.*	Total cost.	Proposed scale No.	Designation.	Pay Minimum.	Increment.	Maximum	~~Average or~~ fixed.*	Total cost.	Permanent Increase per month Amount.	Permanent Decrease per month Amount.	Temporary Increase per month Period.	Amount.	Temporary Decrease per month Period.	Amount.	Remarks.
					Rs.	Rs.	Rs.	Rs.				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Mon.	Rs.	Mon.	Rs.	
		South Arcot Division						Temporary			Establishment												
839 W	7-3-96		1	Draftsman or Clerk	"	"	"	25		1	Draftsman or Clerk	"	"	"	25								
1409 W	2-5-96		1	Scavenger	"	"	"	2		1	Scavenger	.	.	.	2								
									27							27							
					"	.	.			1	Surveyor	.	.	.	80	80	"	.	6	480	.	.	Required for taking longitudinal and cross sections for the improvement of the Malattar and Raghavian channels of the Tirukkoyilur anicut system vide copies of E. E's No. 4735. E d/6th June 1896 & No: 900 S. E d/29th Novr 96 A statement of mileages of channels to be levelled and surveyed is enclosed
					"	.	.			5	Lascars	.	.	.	6 each	30	.	.	5	150	.		
					"	.	.			1	Lascar	.	.	.	6	6	-	-	6	36	.		
				Total ..	..	..	..	..	27		Total ..	..	..	..	..	143	-	-	..	666	..	-	

with Circ 11006 sent to B. on 8.12.96

* In the case of appointments on progressive pay, the "average" should be calculated according to the rules in the Pay and Acting allowance code.

Certified that the entries under the head "present scale" have been duly verified by me.

13/1/97

Examiner, P. W. Accounts,

Dated the 11th Decr 1896. W 4/1 Madras.

Dated the 189 .

11.12.96

Lt Col R.E.

~~Executive Engineer,~~

Supdg: Engineer V - Circle. ~~Division.~~

10.12.96

CHIEF ENGINEER
FOR IRRIGATION.
10 DEC. 96
No. 31-6

2264

1

~~20~~

O.W.S.2
~~4576/96~~
483/97

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepák, 11th December 1896.

No. 312 E.I.

EXAMINER,
P. W. ACCOUNTS.
9 - JAN. 1897
No ....

From

Lt. Col. C. C. Rawson R.E.

SUPERINTENDING ENGINEER, V CIRCLE,

To

THE Chief Engineer for Irrigation
Madras.

Enclosures. 6

No. 930 d/16-5-96 from Asst. Engr. in charge of Cuddalore Sub Dn. - reporting on the state of the Tiruk Koyilur anicut system.

1 List of tanks connected with the system & requiring repair.

Letter No: 473 S.E d/6-6-96 from the Ex: Engineer South Arcot forwarding the above report with remarks.

SIR,

With reference to your Memo: No. 13.V dated 18th November 1895, para 1, I have the honour to forward herewith copies of the marginally noted documents reporting fully on what is required to put into order the works connected with the Tiruk-Koyilur anicut system, in the South Arcot Dt.

2. I also submit herewith for sanction a proposition statement for the survey establishment referred to in the concluding part of para 4 of letter No: 473 S.E. dated 6th June 1896, from the Executive Engineer

South

South Arcot -

3 - The report stating approximately the number of miles to be surveyed & levelled &c. accompanies the proposition statement.

I have the honour to be

Sir,

Your Most Obedt. Servant

11.12.96

Lt. Col R.E.

Supty: Engineer V Circle -

10.12.96

From

The Superintending Engineer,

V Circle,

CHIEF ENGINEER
FOR IRRIGATION.
10 DEC. 96
No. 31 — V

To

The

Dated
Recd.
189 .

Enclosures.

No.

7
~~4576/96~~
485/97

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