9 Coxswains for survey work on Rs 6 each per mensem.
1 Subdivisional peon on Rs 6 per mensem.
1 Subdivisional clerk on Rs 30 per mensem.

3. The office and petty establishment of the late Madanapalle subdivision, referred to in para 2 of Rs No 2831 W dy 7 November 1894, will be transferred to the new special Canal Subdivision. A subdivisional officer will be provided from the Circle staff.

4. The sanction accorded in para 2 of these Proceedings has been registered as Provincial No 56 W of 1894-95 and classified as Establishment, Temporary.

C to BB
18/12/94

Special Kurnool Canal Subdivision

DESPATCHED
9 JAN 95

S. E. III Circle
Chief Engr: for Irrigation
Examiner P.W. accts:
Revenue Department.

H.E. 20/12 R 22/12

No. 3293 dt. 22 December 1894

PUBLIC WORKS DEPARTMENT.

~~No. 3271 dt. 20 December 1894.~~

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the S. E. III circle - (H.E No. 1621 of 10 October 1894)
Endorsement by the C. E. for Irrgn (" " 55 E.W of 15 October 1894)
From the S. E. III circle - (" " 2196 of 10 Dec 1894)
Endt. by the C. E. for Irrigation (" " 65 E.W of 13 Dec 1894)

Sanction is accorded to the formation for a period of two years of a special temporary subdivision in the Kurnool division, to be designated the "Special Kurnool Canal Subdivision," for the execution of the work detailed in the Executive Engineer's report of 3rd December 1894.

2. The employment of the undermentioned establishment in the subdivision is sanctioned.

3 Surveyors on Rs 80 each per mensem
3 Subdivisional Tasildars on Rs 6 each per mensem.

E. I. FORM No. 10—1,000—22-4-93

1894

From

Col. R. R. Brake ~~LIEUT. COL. R. E.~~, Brechinridge
CHIEF ENGINEER FOR IRRIGATION,

To

THE Chief Engineer
P. W. D

No. 65 Irr.
Dated 13-12-94
Despatched
Received 15-12-94

ENCLOSURES 7

Subject.

New Sub Division to be formed on the Kurnool Cuddapah Canal
~~Dt~~ 4 — Proposition Statement for the — Forwards for favor of sanction

No. 447 W of 19-2-84 ✓
" 841 W - 29-3-94 ✓
" 1188 W - 12-5-94 ✓
" 3116 C - 13-10-94 ✓
" 2831 W - 7-11-94 ✓
" 3486 C - 7-11-94 ✓

Rokke

SUPERINTENDING ENGINEER
Dy. No. 519 12
31/12/84
HYDERABAD, BELLARY P.W.D.

Rw E-2
9623/Ex

Report

1. The Special Canal Sub Division Kurnool Division is constituted for the following objects.—

(a) To plot correctly on fresh Villge maps all the distributary channels whether in use or out of use, as well as all lands which belonging to the Kurnool Cuddapah Canal and its branches, and to prepare correct lists of the same.

(b) To demarcate by stones marked P.W the main and distributary channels and all canal lands.

(c) To determine whether any and which distributaries should be entirely relinquished, and to prepare lists of the lands occupied by them for sale.

(d) When Village maps for a taluq complete have been prepared they will be sent to the Revenue Survey

From Lieut Col Clarkson R.E.
The Superintending Engineer,
IIIrd Circle,
Bellary.

To The Chief Engineer for Irrigation Madras

Dated 10th December 1894.
Received

Enclosures. 2

No. 2196

Subject.

For Col Diaries for the Secretariat

Forwarding a proposition Statement for the ___

Rc 65 Ew 94 Encl 2

Forwarded to the Ch Engr & Secretary to Government P.W.D. for favor of sanction.

for Chief Engineer for Irrig

Chepauk 13th Decr 1894

Submitted

No. 2196

Superintending Engineer's Office,
3RD CIRCLE.
Bellary 10th December 1894.

FROM Lt Col. C. C. Pawson RE 78
SUPERINTENDING ENGINEER,
IIIRD CIRCLE,

To
THE Chief Engineer
for Irrigation
Madras.

Sir,

Enclosures. 2
1 Proposition Statement
1 Report
2

With reference to your Memorandum No. III 2046 of 13th November 1894, I have the honor to forward a proposition statement in the prescribed form shewing the cost of the proposed establishment for a new sub Division to be formed in the Kurnool Divn with a report explaining the necessity for a sub Division.

I have the honorable
Sir
Your most obedt Servt
C. C. Pawson Lt Colr RE
8/12/94
Supdg Engineer
III Circle

R 26 K.C
1

Rec'd
7953/94

the cultivators chose to irrigate (about 400 acres against over 4000 expected by the Company). It is a thousand pities that these fine channels should be abandoned and I think that those who are responsible for allowing them to be ploughed up and cultivated should be very severly punished, but I doubt if any blame could be attached to any one in particular. In a year when the rain-fall is deficient all these channels would probably come in useful as they did in 1892 when 90,000 acres were watered. Therefore I am not in favor of selling the land but of preserving it as a Famine protective work and to do this the Revenue Department must be supplied with maps showing the channels belonging to Government.

Its demarcation shows error appear to have been fixed & thus extent of land taken up. C.C.

9. The Collector has brought to my notice that there are numerous instances of Canal poramboke being cultivated and he calls upon me to state whether the land is required - but until each village has been carefully inspected it is impossible to say whether the land is required or not. All land not required should be sold and the proceeds credited to Canal Capital account. I am anxious to do this but I maintain that it cannot be done by the present staff in addition to their other duties. Moreover I find that the assessment on such land cultivated dry is not credited to Canal Revenue as should be done but goes to General Revenue. In the small village of Kontalapaud Ramallakota Taluq which I have just examined I find that 10.16 acres of canal land is being cultivated,

3.57

portions of main distributary channels, in one case a whole channel from end to end, have been ploughed up and are now being cultivated. Such portions are colored gamboge on the tracing. The Kurnam of this village admitted that compensation had been paid for the land through which these channels run, and yet they have been ploughed up and reappropriated, and the canal revenue is not even credited with the assessment levied on this land which is surreptitiously cultivated. There are no doubt numerous other examples of the same kind in each village, and I consider that each village should be carefully investigated by an establishment which has nothing else to do. This investigation cannot be done efficiently by the present Canal staff with their numerous other duties to attend to.

7. Even if this investigation was done merely with the object of demarcating the land previous to handing it over to the Revenue Department for resale I feel convinced that the Capital account could be credited with a very handsome sum of many thousands of rupees, and the yearly interest to be paid would be proportionately reduced.

8. In this particular village, the Company's system of irrigation was a perfect one in theory but for some reason or other it has been abandoned probably because it entailed the upkeep of a long length of channel out of all proportion to the small area which the

P.L. CURRENT No. 7953

From Lieut Col C.C. Pearson R.E.
The Superintending Engineer,
IIIrd Circle,
Bellary.

To The Chief Engineer for Irrigation Madras

Dated 10th October 1894.
Received 19th

Enclosures. 1 x 3 (2 plans)

No. 621

Subject.

Distributaries channels under the Nunnoor Cuddapah branch

Forwarding a report on the State of

26. K.C. 12 OCT. 94 FOR IRRIGATION

No 55 Ew 6 P

Forwarded to the Chief Engineer, P.W.D. with the recommendation that the Superintending Engineer's proposals may be sanctioned at an early date.

Wurtzpeel 17/10

For Chief Engineer for Irrigation

Chepauk 15 October 94

A H

Letter from the Executive Engineer Kurnool Division No 2175 dated 3rd October 1894 to the Supdg. Engineer, III Circle.

In reply to your No 70 C dated 8th September 1894 forwarding a copy of Irrigation Chief Engineer's No III 13 KC dated 6th Sept/94 in which he ordered that an Overseer should be told off to accompany the Special Deputy Collector to "do any Survey work which may be necessary." I have the honor to submit that this arrangement does not meet the necessities of the case as I shall show below.

2. The facts already brought to notice are these- the land plans recently sent by the Chief Engineer are for the main distributary channels only and they are drawn to a scale of 8 chains to an inch whereas the village maps are to a scale of 5 chains to an inch and these plans without the field numbers are quite useless as a record.

3. Since then the village of Pratakota Nandikotkur Taluq has been taken up, and the main and field distributary channels as they exist now on the ground, have been carefully examined by myself and Mr. Dennehy and compared with the channels as they are shown on copies of village maps which were prepared by the Company, and the result shows, that neither in the case of the main distributaries, nor in the case of field distributaries do the channels exist on the ground as they are shown on the village maps. In order to show this very clearly and at a glance I have prepared a tracing showing the channels as they exist. If this tracing be placed over the village map

No. 1621 **Superintending Engineer's Office,**

3RD CIRCLE,

Camp Kurnool Canal, 4 October 1894.
~~Bellary~~ Bellary 10th — 94

FROM Lieut. Coll. C. C. Rawson R.E.

SUPERINTENDING ENGINEER,

IIIRD CIRCLE,

To

THE Chief Engineer

for Irrigation

Madras.

Sir,

Enclosures. 1+
2 Plans by fax post

With reference to your No. III / 13KC dated 5th September 1894, I have the honor to forward copy of a letter No. 2175 dated 3rd October 1894 from the Exe: Engineer Kurnool together with two enclosures.

2. I think that his letter very clearly shows that the state of affairs on the Cuddapah-Kurnool canal is such that something more is required than the detaching of an Overseer to do survey work.

3. I recommend that a new Sub Division be formed and that Mr. Dennehy the Sub Divl. Officer of the N. Sub Divn. of the Canal be put in charge with three Surveyors on not less than Rs. 80 each to work under him.

4. Mr. Dennehy has been a long time on the Canal and takes a great deal of interest in it. I therefore recommend that he should be put in charge of the investigation party. The charge of this party must be made a Sub Division charge, otherwise Mr. Dennehy will lose his Sub Divisional allowance which will not be fair to him.

Ver 3116 C
& 13.10.94

5. In my letter No. 1425 dated 11-9-94

No. 384 P. W.

NOTES.

Reference to P. W. D. Code.

Chapter I, Para. 30.

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.

No. 2873 E
6-12-94

P. W. D. Form No. 118
500—7-3-9

MADRAS PRESIDENCY.

Part II

Tabular Statement to accompany proposals for changes in establishments.

SUPERINTENDING ENGINEER
Dy. No. 3
III CIRCLE, BELLARY P. W. D.

R36Ke

NW E.
9623/Ex

32934

P. W. D. Form No. 113.

MADRAS PRESIDENCY

P. W. D. Form No. 13.

Part II.

Statement of proposition for revision of establishment,

Part II.

Order sanctioning present establishment. Govt. of P. W. D. No.	Date.	Office to which the proposition refers.	Nature of Present scale. No.	Designation.	Pay. Minimum.	Increment.	Maximum.	Average or fixed.*	Total cost.	Changes. Proposed scale. No.	Designation.	Pay. Minimum.	Increment.	Maximum	Average or fixed.*	Total cost.	Proposition. Permanent. Increase per month. Amount.	Permanent. Decrease per month. Amount.	Temporary. Increase per month. Period.	Temporary. Increase per month. Amount.	Temporary. Decrease per month. Period.	Temporary. Decrease per month. Amount.	Remarks.
					Rs.	Rs.	Rs.	Rs.				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Mon.	Rs.	Mon.	Rs.	
		Kurnool Division		Special Canal Sub Division							Special Canal Sub Division												
										1	Sub Divisional Officer			300									
										3	Surveyors at Rs 80 each			240									
										3	Sub Divl Lascars at Rs 6 each			18									
										9	Lascars for Survey at Rs 6		do	54									
										1	Sub Divl Messenger			6									
										1	Sub Divl Clerk			30									
														648		648			1	648			
											Total yearly charge					Rs 7776							Period for which Sub Division is proposed to be constituted is 2 years.
				Total							Total												

* 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.

Examiner, P. W. A.

Dated the _____ 189 .

11-9-94

Dated the December 1894.

A. Pereira 3/12/94

Executive Engineer.

Kurnool Div.

GENERAL.
ESTABLISHMENT.

Govt. of {1894} Madras.

PUBLIC WORKS.

Dated December, 22nd.

Read. *Encl.*

G.O., 22nd Dec. 1894, No. 3293 W.

DECEMBER.

Sub-division

Special Kurnool Canal Sub-division.—Formation for a period of two years of a sub-division in Kurnool to be designated the "—", sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From Lieut.-Colonel C. C. RAWSON, R.E., Superintending Engineer. III Circle, to the Chief Engineer for Irrigation, dated Bellary, 10th October 1894, No. 1621.

With reference to your No. III/13 K.C., dated 5th September 1894, I have the honour to forward copy of a letter No. 2175, dated 3rd October 1894, from the Executive Engineer, Kurnool, together with two enclosures.

2. I think that his letter very clearly shows that the state of affairs on the Cuddapah-Kurnool canal is such that something more is required than the detaching of an overseer to do survey work.

3. I recommend that a new sub-division be formed and that Mr. Dennehy, the Sub-divisional officer of the north sub-division of the canal, be put in charge with three surveyors on not less than Rs. 80 each to work under him.

4. Mr. Dennehy has been a long time on the canal and takes a great deal of interest in it. I therefore recommend that he should be put in charge of the investigation party. The charge of this party must be made a sub-division charge, otherwise Mr. Dennehy will lose his sub-divisional allowance, which will not be fair to him.

5. In my letter No. 1428, dated 11th September 1894, to the Chief Engineer, Public Works Department, I have recommended that the Madanapalle sub-division of the Cuddapah division should be abolished ; if this proposal be sanctioned, the sub-divisional establishment from Madanapalle may be transferred to the canal.

6. The state of things reported by Mr. Pereira to exist at Pratakota appears to exist to a more or less degree all down the canal.

7. A few days ago I was in camp at Sunkesula with the Executive Engineer ; in that village I found land for which compensation has been paid by the Company under cultivation, not only without the leave of the canal officers, but without the fact of the land being under cultivation being reported to them. None of the canal land is demarcated in this village.

8. Sunkesula is a place that is constantly being visited by officers both of the Revenue and the Public Works Departments ; and if things are in such an unsatisfactory condition at a place where there is constant inspection, it may easily be imagined what things are like in out-of-the-way places.

ENCLOSURE.

From the Executive Engineer, Kurnool Division, to the Superintending Engineer, III Circle, dated 3rd October 1894, No. 2175.

In reply to your No. 70 C., dated 8th September 1894, forwarding a copy of Irrigation Chief Engineer's No. III/13 K.C., dated 5th September 1894, in which he ordered that an *overseer* should be told off to accompany the Special Deputy Collector to "*do any survey work*

which may be necessary," I have the honour to submit that this arrangement does not meet the necessities of the case as I shall show below.

2. The facts already brought to notice are these: the land plans recently sent by the Chief Engineer are for the main distributary channels only and they are drawn to a scale of 8 chains to an inch, whereas the village maps are to a scale of 5 chains to an inch, and these plans without the field numbers are quite useless as a record.

3. Since then the village of *Pratakota*, *Nandikotkur taluk*, has been taken up, and the main and field distributary channels, as they exist now on the ground, have been carefully examined by myself and Mr. Dennehy and compared with the channels as they are shown on copies of village maps which were prepared by the Company; and the result shows that neither in the case of the main distributaries nor in the case of field distributaries do the channels exist on the ground as they are shown on the village maps. In order to show this very clearly and at a glance, I have prepared a tracing showing the channels as they exist. If this tracing be placed over the village map the differences will at once be seen.

4. The village of *Pratakota* was not specially chosen; it was the first one which came to hand, and the result of the investigation shows that we have no accurate record whatever of the channels in this village. It may safely be assumed that it is the same with all other canal villages, for some of which only we have village plans with the channels marked on them, all of which plans are quite useless as records, because they are not accurate; they are only useful in so far as they give us an idea of what was done. The only thing to be done is to begin "*de novo*;" take fresh copies of village maps and mark on them the channels as they exist on the ground.

5. The investigation of Pratakota village alone took myself and Mr. Dennehy two days, working partly together, and three days working separately, to do, and even then it was not completed. Say eight days in all for one village. Now there are 192 canal villages, to examine all these carefully it would take one man 1536 days, or nearly five years to examine and complete. I submit that it is inadvisable that it should take such a long time and that it is much more than an overseer can be expected to do, and that it should be done by a special investigation party. In other words I recommend that if the idea of forming the canal into a separate division cannot be entertained that a special sub-division may be sanctioned with three surveyors or overseers under a trustworthy sub-divisional officer to do the investigation of all channels and to prepare fresh village maps with all channels and canal lands marked clearly on them. After this is done the maps should be sent to the Survey office and copies printed and supplied to all Taluk offices or villages in lieu of those in use. Unless this is done once for all, the channels can never be preserved.

In addition to this, in order to preserve the channels they must be demarcated from beginning to end. There is not a single demarcation stone at present, and it would be the duty of the special sub-division to demarcate the land as they go along. It would take the special sub-division probably two years to complete their work.

6. Now I must draw special attention to some of the facts brought to light by the investigation made in Pratakota village. The differences between the channels as they exist and as they are shown on the plan are not merely trifling alterations of alignment, but in some cases the channels have entirely different heads to what they are shown to have on the plan.

The channels as shown on the land plans sent from the Chief Engineer's office are no more accurate than those marked on the old village maps, and it would be waste of time to transfer them to village maps even if it were possible to do so accurately, which I doubt, as the bearings are not given. Lastly, it has been found that portions of main distributary channels, in one case a whole channel from *end to end*, have been ploughed up and are now being cultivated. Such portions are colored gamboge on the tracing. The kurnam of this village admitted that compensation had been paid for the land through which these channels run, and yet they have been ploughed up and reappropriated, and the canal revenue is not even credited with the assessment levied on this land which is surreptitiously cultivated. There are no doubt numerous other examples of the same kind in each village, and I consider that each village should be carefully investigated by an establishment which has nothing else to do. This investigation cannot be done efficiently by the present canal staff with their numerous other duties to attend to.

7. Even if this investigation was done merely with the object of demarcating the land previous to handing it over to the Revenue Department for resale, I feel convinced that the Capital Account could be credited with a very handsome sum of money—thousands of rupees—and the yearly interest to be paid would be proportionately reduced.

8. In this particular village, the Company's system of irrigation was a perfect one in theory, but for some reason or other it has been abandoned, probably because it entailed the upkeep of a long length of channel out of all proportion to the small area which the cultivators chose to irrigate (about 400 acres against over 4,000 expected by the Company). It is a thousand pities that these fine channels should be abandoned, and I think that those who are responsible for

allowing them to be ploughed up and cultivated should be very severely punished; but I doubt if any blame could be attached to any one in particular. In a year when the rainfall is deficient, all these channels would probably come in useful as they did in 1892 when 90,000 acres were watered. Therefore I am not in favour of selling the land, but of preserving it as a Famine *protective work*, and to do this the Revenue Department must be supplied with maps showing the channels belonging to Government.

No demarcation stones ever appear to have been fixed to show extent of land taken up.

(Intld.) C. C. R.

9. The Collector has brought to my notice that there are numerous instances of *canal poramboke* being cultivated, and he calls upon me to state whether the land is required; but until each village has been carefully inspected, it is impossible to say whether the land is required or not. All land not required should be sold and the proceeds credited to Canal Capital Account. I am anxious to do this, but I maintain that it cannot be done by the present staff in addition to their other duties. Moreover, I find that the assessment on such land cultivated dry is not credited to *Canal Revenue* as should be done but goes to *General Revenue*. In the small village of *Kontalapaud*, *Ramallakot taluk*, which I have just examined, I find that 10·16 acres of canal land is being cultivated—3·57 acres wet and 6·59 acres dry. The water-rate only on 3·57 acres is credited to Canal, the rest goes to *General Revenue*. Now, say, there are 100 villages in which this is the case, at 12 annas per acre one village would yield Rs. 5 revenue and the canal revenue is done out of *Rs.* 500 yearly. This may seem a small matter, but it is plain justice and I feel sure that I have under-estimated the amount.

10. It is requested that the village plan sent herewith in original may be returned.

(True Copy.)

(Signed) C. C. RAWSON, Lieut.-Col., R.E.,
Superintending Engineer, III Circle.

4th October 1894.

No. 55 E.W.

Forwarded to the Chief Engineer, Public Works Department, with the recommendation that the Superintending Engineer's proposals may be sanctioned at an early date.

CHEPÂK,
15th October 1894.

(Signed) F. W. ASHPITEL,
for Chief Engineer for Irrigation.

From Lieut.-Colonel C. C. RAWSON, R.E., Superintending Engineer, III Circle, to the Chief Engineer for Irrigation, dated Bellary, 10th December 1894, No. 2196.

With reference to your memorandum No. III/20 K.C., dated 13th November 1894, I have the honour to forward a proposition statement in the prescribed form showing the cost of the proposed extra establishment for a new sub-division to be formed in the Kurnool division with a report explaining the necessity for a sub-division.

REPORT.

1. The Special Canal Sub-division, Kurnool Division, is constituted for the following objects:—

(*a*) To plot correctly on fresh village maps all the distributary channels whether in use or out of use, as well as all lands which belong to the Kurnool-Cuddapah canal and its branches and to prepare correct lists of the same.

(*b*) To demarcate by stones marked P.W. the main and distributary channels and all canal lands.

(*c*) To determine whether any and which distributaries should be entirely relinquished and to prepare lists of the *lands occupied* by them for sale.

(*d*) When village maps for a taluk complete have been prepared they will be sent to the Revenue Survey office, Madras, to be copied and distributed in place of those now in the hands of village and taluk officials.

(*e*) All lands commanded by the main and existing distributaries will be surrounded by a green line in blocks.

(*f*) Mile and furlong stones will be placed all along the distributary channels.

2. The head-quarters of the sub-division will be at Kurnool to commence with and will be shifted from time to time as the work proceeds.

KAMBALAPULLY,
3rd December 1894.

(Signed) A. C. PEREIRA,
Executive Engineer.

No. 65 E.W.

Forwarded to the Chief Engineer and Secretary to Government, Public Works Department, for favour of sanction.

CHEPÂK,
13th December 1894.

(Signed) F. W. ASHPITEL,
for Chief Engineer for Irrigation.

ORDER—dated 22nd December 1894, No. 3293 W., Public Works.

Sanction is accorded to the formation for a period of two years of a special temporary sub-division in the Kurnool division to be designated the "Special Kurnool Canal Sub-division" for the execution of the work detailed in the Executive Engineer's report of 3rd December 1894.

2. The employment of the undermentioned establishment in the sub-division is sanctioned :—

	RS.	
Three surveyors on	80	each per mensem.
Three sub-divisional lascars on	6	„ „
Nine lascars for survey work on	6	„ „
One sub-divisional peon on	6	per mensem.
One sub-divisional clerk on	30	„

3. The office and petty establishment of the late Madanapalle sub-division, referred to in paragraph 2 of G.O., No. 2831 W., dated 7th November 1894, will be transferred to the new special canal sub-division. A Sub-divisional officer will be provided from the circle staff.

4. The sanction accorded in paragraph 2 of these Proceedings has been registered as Provincial No. 56 W. of 1894–95 and classified as Establishment, Temporary.

(True Extract.)

Under Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. W. J. Lewis.
Spare Copies

Govt. of {189 } Madras.

PUBLIC WORKS.

Date

Read. Encl.

G.O., 22nd. Decr. 1894 No. 3293W

Sub division.

Special Kurnool Canal

Subdivision: Formation

for a period of 2 years of

a subdivision in Kurnool

to be designated the ——.

Sanctioned.

Howard Chain

570 W 9.8.95.

1/12

Recd 24/12