M.R.O. 1—77,006—8-6-31.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 2319 Press ~~Mis.~~
648-49

Dated 26. 9. 1890.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 26th September 1870.

No. 448. Read the following letter from the Acting Superintending Engineer, 5th Division, to the Chief Engineer for Irrigation, dated Camp at Tripatore, 5th September 1870, No. 113:—

With reference to your Memorandum No. 238, of the 23th July 1869, I have the honour to reforward, for the sanction of Government from the current year's Reserve under "Agricultural," the estimate of Rupees 1,530, with the papers returned therewith, for cutting a channel from a Cattoo Ooday to the channel of Thockavady in the Trinomallay talook of South Arcot.

1 Estimate.
1 Section.
1 Revenue Statement.
3 Endorsements, Nos. 1,901 of 1868, and 550 and 952 of 1870, on petitions from ryots of Thockavady.
1 Plan of the Ooday.

2. A plan of the Ooday is also forwarded herewith. It will be observed therefrom that this natural Ooday, which rises about 7 miles north of Chengamah, in a hill called Thenmalay near the Javady hills, falls useless into the Cheyar river. Its length is nearly 3 miles, draining about 12 square miles of hilly land, and it has a total fall of 72 feet. The proposed new channel has a length of 1,517 yards, with a fall of only 0·69 feet; but as the present supply channel of the tank has a fall of 6 feet in its length of 800 yards, the new channel will soon be brought into train.

3. As regards the discharge of the Ooday, or of the time it is in fresh, little is known. As, however, the local rain is of frequent occurrence, from July to November, with frequently heavy showers for two or three days together, it is considered that the water that now runs waste into the Cheyar would be ample for the extra lands to be brought under cultivation.

4. In consequence of the Ooday having so great a fall, a calingulah was proposed instead of blocking up the Ooday with a solid dam; but the ryots object to the proposal, declaring that they are prepared to make good use of the whole of the water. The Thockavady Tank has a waste weir, and the other tanks which depend for their supply upon its surplus have their surplus outlets on rocky ground, and, moreover, as there are in the vicinity other tanks into which the surplus (if any can be spared) may be profitably led, there is no apprehension of any danger occurring to the tanks from an excessive quantity of water entering into them.

5. It may be seen from the Revenue Statement furnished by the Collector, that by cutting the proposed channel, and increasing thereby the supply of water to the tanks, 84 cawnies, now lying waste out of the Nunjah Ayacut, will be brought under cultvation, besides converting into wet 126 cawnies of dry land, and that the present revenue will thus be increased by Rupees 1,058. The Range Officer anticipates an increase of only 143 cawnies in all, with an assessment of Rupees 727. This calculation is no doubt incorrect, partly by its being based on the particulars furnished by the village authorities, and partly by Lieutenant Graham's omitting from the project the small tank of Minnoormungalam, as he prefers leaving the question of its supply open until the capabilities of the new channel are ascertained by actual experiment. It is also reported that, if there be sufficient water, there are other 15 cawnies, assessed at Rupees 85, that can be irrigated under this tank; but excluding from the calculation these 85 Rupees, as suggested by the Range Officer, the Government may still look for an annual profit of Rupees 973, that is about 63½ per cent. on the proposed outlay.

6. It would thus appear that this small project, which has been several times applied for by the ryots, promises to prove highly remunerative to the State, while the ryots themselves are so anxious to have the work executed at once that they not only wanted at one time to carry it out at their own cost, but they have already taken up the greater portion of the additional lands and are paying for the same. I feel, therefore, no hesitation in strongly recommending the early sanction of the estimate now submitted. And, indeed, it is to be hoped with a project so manifestly beneficial to the community, so advantageous to the State, and at the same time requiring so trifling an outlay, that nothing further will be allowed to interfere with its prompt execution.

7. The two other endorsements of Government, Nos. 550 and 952 of 1870, on petitions from the ryots of Thockavady and other villages, are also returned herewith.

No. 449. ORDER THEREON, 26th September 1870, No. 2,319.

IRRIGATION, No. 21.

THE Government sanction, from the Reserve under "Agricultural" for the current year, the estimate Rupees 1,530 for cutting a channel from the Cattoo Ooday for the supply of the Thockavady and other tanks in the Trinomalay talook of the South Arcot District.

2. The execution of this work will, it is expected by the Revenue Officers of the district, enable 111 acres of Nunjah land, now left waste for want of water, to be cultivated, and 157 acres of dry land to be irrigated, thereby securing an increase of revenue to the extent of Rupees 1,058. The Superintending Engineer however considers that it will be better to take the increase of area at 248 acres, and of revenue at Rupees 973, until it is seen whether there will be water enough for an additional 20 acres under the Minnoormungalam Tank. In any case there appears to be no doubt of the outlay proving remunerative and beneficial to the ryots interested, who, it is observed, are particularly anxious for the sanction of this small project, and have already to a considerable extent taken up the lands to be irrigated by means of the channel.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Acting Superintending Engineer, 5th Division.
" Controller of Public Works Accounts.
" Acting Chief Engineer for Irrigation.
" Revenue Department.

Exd. S. T. Augustin.

Enclosures 7.
1 Estimate.
1 Section.
1 Rev: statement.
3 Endorsements Nos 1901 of 1868, & 550 & 952 of 1870 on petitions from ryots of Thockavady.
1 Plan of the Oday.

No 113. Superintg. Engineer's Office, 5th Division, Camp Tripatore, 5th September 1870.

From, The Actg. Superintending Engineer, 5th Division

To, The Chief Engineer for Irrigation

Sir,

With reference to your Memorandum No 238 of the 29th July 1867, I have the honor to reforward for the sanction of Government from the current year's Reserve under "Agricultural", the Estimate of Rupees 1530, with the papers returned therewith, for cutting a channel from a Cattoo Oday to the Channel of Thockavady in the Trinomalay Talook of South Arcot.—

2. A plan of the Oday is also forwarded herewith. It will be observed therefrom that this natural Oday, which rises about 7 miles north of Chengamah in a hill called Thenmalay near the Javady Hills, falls useless into the Cheyar river. Its length is nearly 3 miles, draining about

2 Square miles of hilly land, and it has a total fall of 52 feet.- The proposed new channel has a length of 1517 yards with a fall of only 0-69 feet, but as the present supply channel of the tank has a fall of 6 feet in its length of 800 yards, the new channel will soon be brought into draw.-

3. As regards the discharge of the Odaya or of the time it is in flush, little is known. As, however, the local rains is of frequent occurrence from July to November - ~~and~~ with frequently heavy showers for 2 or 3 days together - it is considered that the water that now runs waste into the Cheyar would be ample for the extra lands to be brought under cultivation.—

4. In consequence of the Odaya having so great a fall, a calingueah was proposed instead of blocking — up the Odaya with a solid dam, but the ryots object to the proposal declaring that they are prepared to make good use of the whole of the water. The Thochavady tank has a waste weir, and the other tanks which depend for their supply upon its surplus have their surplus outlets on rocky ground, and moreover as there are in the vicinity other tanks into which the surplus [if any can be spared] may be profitably led, there is no apprehension of any danger occurring to the tanks from an excessive quantity of water entering into them.-

5. It may be seen, from the Revenue Statement furnished by the Collector, that by cutting the proposed channel and increasing thereby the supply of water to the tanks, 84 Cawnies, now lying waste out of the Ninja Ayacut, will be brought under cultivation, besides converting into wet 126 Cawnies of dry land; and that the present revenue will thus be increased by Rs. 1,058. The Range officer anticipates an increase of only 143 Cawnies in all, with an assessment of Rs. 724. This calculation is no doubt incorrect, partly by its being based on the particulars furnished by the village authorities, and partly by Lieutenant Goiham's omitting from the project the small tank of Nunnoorninga-dam as he prefers leaving the question of its supply open until the capabilities of the New channel are ascertained by actual

experiment.— It is also reported that, if there be sufficient water there are 15 other tanks, assessed at Rs. 85, that can be irrigated under this tank, but excluding from the calculation these 85 Rupees, as suggested by the Range officer, the Government may still look for an annual profit of Rs. 953,— that is, about 63/2 per cent on the proposed outlay.—

6. It would thus appear that this small project, which has been several times applied for by the ryots, promises to prove highly remunerative to the State, while the ryots themselves are so anxious to have the work extended at once, that they not only wanted at one time to carry it out at their own cost, but they have already taken up the greater portion of the additional lands and are paying for the same. I see therefore no objection in strongly recommending the early sanction of the estimate now submitted. And indeed it is to be hoped with a project so manifestly beneficial to the Community, so advantageous to the State, and at the same time requiring so trifling an outlay

that nothing further will be allowed to interfere with its prompt execution.

The two other endorsements of Government Nos. 550 & 752 of 1870, on petitions from the ryots of Shockavady and other villages, are also returned herewith.—

I have the honor to be
Sir,
Your most obedient Servant.

Richd. A. Roberts Captain R.E.
Actg. Superintending Engineer.

[illegible]

B.M. Public Works Dept.
Irri.

From No. 3656
The Ag. Supg. Engineer
5th Division,

To The Chief Engineer
for Irrigation.

Dated 5th } September
Recd. 7th } 1876.
Recd: 19
No. 113
Enc: 7. 2 Tamil

Thockavady Channel.—

Resubmitting for sanction of Government, the Estimate of Rs. 1530 for cutting a channel from an Oday to the Thockavady Channel in the Trinomalay Talook of S.A.

No. 2319–26–9–76.

No. 448

AUG 29 1870

Mr Waughope
28 Aug

consequently both Govt & petitioners suffered loss in the cultivation of their lands; - that their applications to the Engineering officers for the repair of the channel proved ineffectual.

Pray for an order for the immediate repair of the said channel.

No 952 of 1870.

From Nagalingara Iyen Rama Reddi & others the Ryots of Thocavaddy Cummaravaray & other villages in Tirumà malay Taluq South Arcot

Dated 23d April 1870
Rec'd 28th " 1870

state that for want of repair to the channel supplying waters to their tanks they had not sufficient water for the irrigation of their lands for the last 4 years

Copied in the Supdt Surveys Trichinopoly Division
for information.
Dy Collr.
H. Welsh Major
Supdt Trichinopoly Dist.

Supdt Surveys Trichinopoly Dist 7/1870.

water, some of their lands were laid waste without cultivation, & some lands cultivated, became "Thavi" or withered owing to the want of water; & that the local officers of P. W. Dept requested by them to execute repair of the canal, made an estimate and sent it for the sanction of Govt; but that nothing has been done as yet.

Pray for orders for the repair thereof.

From Thagiswara Iyen, Muniar & others of Tokka-vady & other 4 villages of Trinamalai Taluq, South Arcot.

Dated 24 Feby
Recd 9 March
1870

No 3686/70

State that the canal from the river Thaiyar, which supplies water to the tanks of the said 5 villages, having been in a bad state for many years past, & consequently the tanks having received

No 550 of 1870

Forwarded to Superintending Engineer 5th Division for Report.

Fort St George 18th March 70

By Order

R. Roberts Capt

Ag Indt to Govt

No 1901 of 1868

Referred to the Superintending Engineer 5th Division for report with an intimation that no Communication would appear to have been received by Government touching the petitioners' request.

Fort Saint George 16th October 1868

By Order

W. Harrington

Ag Indt to Govt

Rec'd 21st April 70

Ans

Rec'd 21st Oct 68

Ans

application to the
collr. & engineering
officers for estimate
for the repairs of the
canal was prepared
& submitted to Govt.
for sanction about
8 months ago but it
has not been done
hitherto as yet.—

Pray that the
said estimate may
be sanctioned as
soon as possible
& order be issued
to the collr. to com-
mence the repair
forthwith.—

No. 1901 of 1868.

From Nageswara
Iyen, Poongavana
Gounden & others,
the Inamdars and
Ryots of Thockavadi,
Kammavari & other
villages, Erumai &
malai Taluq South
Arcot— 26/9/70

Dated 25 August

Recd 1st Septr 1868

Bring to notice that
the canal supplying
water to the tanks
of the said villages
from the river Pe-
yar is in a ruined
condition for the
last 30 years, that
on their ~~xxx~~ repeated

No. 1901/70

application to the coll.r & engineering officers &c estimate for the repairs of the canal was prepared & submitted to Govt. for sanction about 8 months ago but it has not been sanctioned as yet.—

Pray that the said estimate may be sanctioned as soon as possible & order be issued to the coll.r to commence the repairs forthwith.—

No. 1901 of 1868.
3-5-12 Cl.

From Nageswara Iyen, Poongavanam Gounden & others, the Maniagars and Ryots of Thockavadi, Kammavary & other villages, Erumai Malai Taluq South

Dated 25 August
Recd 1st Septr 1868

Bring to notice that the canal supplying water to the tanks of the said villages from the river Sigyar is in a ruined condition for the last 30 years, that on their repeated

Memo. Shewing the Increase of Cultivation by the supply to the Tanks in Thockavady &c Villages

No.	Name of the Village	Details of Tanks &c	Government lands Cawnies	Assessment	Enam lands Cawnies	Assessment	Fasly	Lands under Cultivation Government lands Cawnies	Assessment	Increase over Fysal assessment	Punja Lands under cultivation Cawnies	Assessment	Nunjah Cultivated lands Cawnies
1	Thockavadi	Tank	90 5 2	419 8 3	3 2	15	1211	73 25 3	3 104 4 9		3 10 3	18 5 9	2 6
								74 28 13	1 119 12 8		5 6 2	27 6 2	4
								75 25 13	1 119 12 8				2
								76 26 8	1 107 6 5		5 12 2	28 14 6 3	3
								77 33 9	134 11 11		6 0 1	30 1 3 3	7
2	Cummavary	Tank	26 13 0	177 10 3	0 9 2	3	4 1	73 21 7	1 141 7 7		4 0 3	20 3 9	2
								74 26 13	0 179 5 0		8 11 3	43 10 9	2
								75 26 9	0 177 8 11		7 0 2	35 2 6	2
								76 26 14	3 177 2 7		7 4 3	36 7 9	2
								77 26 14	3 177 2 7		8 7 1	42 4 3	2
3	Covilan Tangle	Tank	11 11 2	57 9 11	0 2 3	1	7	73 0 0	0 0 0		0 13 3	4 4 9	
								74 0 0	0 0 0		1 8 3	7 11 9	
								75 0 0	0 0 0		3 11 0	18 7 0	
								76 0 0	0 0 0		3 10 3	18 5 9	
								77 0 0	0 0 0		6 1 3	30 8 9	
4	Moonnoormangalam	Large Tank	80 13 1	483 11 3	10 15	8	3	73 57 8	1 361 14 8				
								74 63 9	1 395 6 10		23 7 2	117 5 6	
								75 64 3	1 367 15 6		23 7 2	117 5 6	
								76 66 7	3 397 2 8		16 8 3	82 11 9	
								77 79 3	0 468 5 4		21 13 3	109 4 9	
		Small Tank	72 2 0	384 11 2	3 11	1	15	73 26 5	1 152 4 0				
								74 32 5	2 184 1 0				
								75 32 5	3 184 1 0				
								76 32 5	3 182 1 0				
								77 32 5	3 182 1 0				

18th March/69

8941 9/64 3109 1/2 5099 3/4

y the supply to the Tanks in Theebaraday &c – Villages from an Ancient proposed across a jungle Stream from the Javadi Hills on Trinomally Taluq – South Arcot

Cam	Lands under Cultivation																Increase of Cultivation by the supply from the proposed Ancient Chal						Remarks
	Government lands				Increase Punja lands under Nunjah assessment		Nunjah Lands under cultivation		Enam lands under cultivation		Average of 5 years		Nunjah		Punjah		Total						
	Assessment	Fasly	Cawnies	Assessment			Cawnies	Assessment	Cawnies	Assessment	Cawnies	Assessment	Cawnies	Assessment	Cawnies	Assessment	Cawnies	Assessment	Cawnies	Assessment			
											6	0 11 4 3											
	15 1 11	73	25 3 3	104 4 9			3	10 3	15 5 9	2	4	0 10 1 0											
		74	28 13 1	119 12 8			5	1 2	27	6 2	8	0 12 0 6	35	1 1	150 1 0	56 12 0	284 12 4	61 0 0	105 0 0	117 12 0	589 12 4		
		75	28 13 1	119 12 8							2	0 13 4 3											
		76	21 5 1	107 1 5			5	12 2	28 14 6	3	3	0 13 4 3											
		77	33 9 0	134 11 11			6	0 1	30 1 3	3	7	0 2 6 3											
1 2 3	4 7	73	21 9 1	141 7 7			4	0 3	20 3 9	0	9	2 3 5 1											
		74	21 13 0	179 5 0			5	11 3	43 10 9	0	9	2 3 5 1	33	6 0	208 15 0	0 0 0 0 0 0		20 0 0	00 0 0	20 0 0	100 0 0		
		75	21 9 0	177 5 11			7	0 2	35 2 6	0	7	0 2 3 4											
		76	21 14 3	177 2 9			7	4 3	36 7 9	0	9	2 2 15 5											
		77	21 14 3	177 2 9			8	7 1	42 4 3	0	0	0 0 0 0											
3 1	7	73	0 0 0	0 0 0			0	13 3	4 4 9	0	0	0 0 0 0											
		74	0 0 0	0 0 0			1	8 3	7 11 9	0	0	0 0 0 0											
		75	0 0 0	0 0 0			3	11 0	18 7 0	0	0	0 0 0 0											
		76	0 0 0	0 0 0			3	10 3	18 5 9	0	0	0 0 0 0											
		77	0 0 0	0 0 0			6	1 3	30 8 9	0	0	0 0 0 0											
5 8	3	73	57 8 1	361 14 8						0	2	14 9											
		74	63 7 1	395 6 10			23	7 2	117 5 6	0	2	14 9	83	9 2	491 3 6								
		75	64 0 3	367 15 6			23	7 2	117 5 6	0	2	14 9											
		76	66 7 3	397 2 8			16	5 3	82 11 9	0	2	14 9											
		77	79 3 0	485 5 4			21	13 3	109 4 9	0	0	0 0 0 0											
1 1 15		73	26 5 1	152 4 0						0	0	0 0 0 0											
		74	32 5 2	184 1 0						0	0	0 0 0 0											
		75	32 5 3	184 1 0						0	0	0 0 0 0											
		76	32 5 3	182 1 0						0	0	0 0 0 0											
		77	32 5 3	182 1 0						0	0	0 0 0 0	31	2 1	177 0 0	15 4 0	85 12 6	0 0 0	0 0 15 4 0	85 12 6			
											83	11 2	425 2 9	126 0 0				30 0 0	209 11 2	1058 2 9			

97 5 3

P. C. H. Reade
Collector

Ea Mad Coll A. E.
Superintending Engineer, 5th Div.

do
3 do

5th Division P.W.D. — 37 Irrigation Works

Agricultural

Detailed Estimate No 1 of 1870/71

South Arcot District — No 2 Range — Irimonallay Tahq

Rupees 664-4-4

Ayacut Cawnies — 130 — 14 — 2 — " — 288-7-7

Five Years' Average — 55 — 8 — 4 — " — 314-7-3

Highest of 5 Years — 62 — 11 — 3 — "

Work — Excavating a channel from new Cutay to join the New Cutay near the Sawady hills to join the present Supply Channel to the Mokawady tank.

Particulars of work	Measurement L.	B.	D.	Cubic Contents Rate per 6ft Rs	Cawnas 2	1½	1
Dam to close a day							
Foundation to dam	9	1 1/4	1	11¼	"	"	"
Above do	9	7/8	2	15¾	"	"	"
Total Cubic Contents in Channels				27	"	"	"
Channel							284 7/8
Cutting 1st Yard from B to C	53	5 3/8	1	"	"	97 39/128	"
do 2d do	53	2 7/16	5/8	"	"	"	850 "
do 1 do from C to D	100	8½	1	"	"	550	"
do 2 do	100	5½	1	"	206¼	"	"
do 3 do	100	3	11/16	"	"	"	912½
do 1 do from D to E	100	9/8	1	"	"	612½	"
do 2 do	100	6 1/8	1	"	289 37/32	"	"
do 3 do	100	3 5/16	7/8	"	"	"	837½
do 1 do from E to F	100	8 3/8	1	"	"	537½	"
do 2 do	100	5 3/8	1	"	183 19/32	"	"
do 3 do	100	2 7/16	5/8	"	"	"	743¾
do 1 do from F to G	100	7/16	1	"	"	443¾	"
do 2 do	100	4 7/16	1	"	96 11/64	"	"
do 3 do	100	2 7/16	5/16	"	"	"	706¼
do 1 do from G to H	100	7/16	1	"	"	406¼	"
do 2 do	100	4/16	1	"	42 3/16	"	"
do 3 do	100	2/16	3/16	"	"	"	762½
do 1 do from H to I	100	7/8	1	"	"	462½	"
do 2 do	100	4 7/8	1	"	96 3/32	"	"
do 3 do	100	2 9/16	3/8	"	"	"	509 3/4
					894 9/64	3109 103/128	

					894 9/64	3109 13/128	5097 3/8
Cutting 1 Yard from 2 to 3	67	9/16	1		"	"	623 13/16
do 2 do	67	5/16	1		"	422 15/16	"
do 3 do	67	3/8	15/16		211 127/128	"	"
do 1 do from 2 to 3	100	9/16	1		"	"	968 3/4
do 2 do	100	6/16	1		"	668 3/4	"
do 3 do	100	3/16	1/16		391 5/64	"	"
do 1 do from 1 to 2	100	8 3/8	1		"	"	837 1/2
do 2 do	100	5 3/8	1		"	537 1/2	"
do 3 do	100	2 3/16	5/8		183 19/32	"	"
do 1 do from 1 to 3	100	7/16	1		"	"	706 1/4
do 2 do	100	4/16	1		"	406 1/4	"
do 3 do	100	2/64	3/16		42 3/16	"	"
do 1 do from 2 to 3	200	5 3/4	1		"	"	1150
do 2 do	200	3/8	3/4		"	468 3/4	"
do 1 do from 1 to 2	100	4/16	1		"	"	406 1/4
do 2 do	100	2 1/4	3/16		"	42 3/16	"
do up to Old Channel from 2 to 3	200	2 3/4	1/2		"	"	275
Good	100	"	"		"	"	"
Slopes to Old Channel	100	1 3/4	1 3/4		"	"	306 1/4
do do	134	2	2		"	"	536
do do	200	1 1/4	1 1/4		"	"	312 1/2
Good	450	"	"		"	"	"
Total Cyds of Earthwork					1723 27/128	5656 23/128	11219 7/16

Abstract

27 Cyds of Roughstone in Channel	@ 1/2 Rs per Cyd	Rs 410-8-"
1,723 do of Earthwork	@ 2 as do	Rs 215-6-"
5,656 do do	@ 1/2 as do	Rs 530-4-"
11,220 do do	@ 1 as do	Rs 701-4-"
Sundries		Rs 42-10-"

Total Estimate Rs 1,530-"-"

Ranger Office No 2
Lindemanns
19th July 1870

E. R. Lieut
Assistant Engineer No 2 Ranger
South Bhanch

Rich. F. Roberts Captain R.E.
Sg. Superintending Engineer 5th Dn

41

No. 23 of 1870.

Breadship Mr. Sanders Supt.

Read the following

Letter from Executive Engr. 5th Division No. 113 dated 5th Sept. 1870.

To The Chief Secretary to Government Revenue under Agriculture Read for the Criminal Revenue, the Criminal Revenue, 1530 for cutting a Channel from the Chinnaid Road to the Chittoo Colony for the supply of the Rice Mills and others

Fifth Division D. P. W.

South Arcot District

PW 3686/70

From 26 Sept 70 to 448

Detailed Estimate for excavating a Channel from an Oday from the Thenmalay near the Javady hills to join the present supply Channel to the Thokavady Tank.

Amount of Estimate Rs. 1530

taken up the lands
to be irrigated by
means of the Channel.

Lucy. 10/9/20

4 5
5

To The S. Engr. of the Div
Controller
Asst: Chief Engr
for Engr
Rev Depth dept 27/9/20

No-3686
116

Govt. of Madras.

PUBLIC WORKS.

To The Asst Superintending Engr
5th Division

Dated
Rec'd. 7
G. O. 26 Sept 86 No 2319.

Nos. 1418-1419

examined. The estimate for
for cutting a Channel
the Cauttas Cdary for
supply of certain tanks
South Arcot District,
returned with remarks.