T.M.D

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(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 3901 Press / Mis.

162-163

Dated 11- 12- 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
11th December 1866.

No. 162. Read the following letter from the Collector of South Arcot, to the Secretary to Government, Public Works Department, dated Cuddalore, 3rd December 1866, No. 65 :—

At the request of Colonel Foord, the Superintending Engineer, 5th Division, I have the honor to forward, duly countersigned by me, the accompanying plans and estimates for re-opening the Amoor channel, a branch of the Ragavien, and which is likely to prove a remunerative work, and, in concurrence with Colonel Foord, I therefore solicit the sanction of Government for the proposed outlay, which I presume may find a place in the Budget of the next official year.

No. 163. ORDER THEREON, 11th December 1866, No. 3,901.

CIVIL WORKS, No. 33.

1. With this letter the Collector of South Arcot submits an estimate amounting to Rupees 8,830 for the improvement of an existing channel from the Ragavien channel to the Poodoopoliem tanks, and for re-opening, in continuation of it, the old Amoor channel in the South Arcot District.

2. From the papers submitted by the Collector, the Government note that the proposed works will not only ensure the irrigation of existing lands, but will bring under cultivation 357 Cawnies of Nunjah land which are now lying waste, and admit of 475 Cawnies of dry land being converted into wet. The return expected from the work is Rupees 3,636 per annum, being upwards of 40 per cent. on the outlay.

3. Under these circumstances, the Governor in Council sanctions the estimate for entry in the outgoing Budget.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 5th Division, with one Specification and one Survey.
" Accountant General.
" Controller of Public Works Accounts.
" Collector of South Arcot.

Exd. S. T. Augustin.

Agricultural

Original work

Detailed Estimate No. of 1866/67.

South Arcot District. Elavanasur Taluq.

Work — Improving the existing channel from the Pagavien main channel to the Podosoliem Tanks, and in continuation reopening up the old Amoor channel, for the irrigation of the lands in the villages of Podosoliem, Taliagarem, Amoor, Attanundal, Konalavady, Pennavalum, Valur, Tholungumput, Kasthiput, Kolathoor, Manacoopum, Elundoray &c.

Particulars of work	Measurement in feet			Cubical contents
	Length	Breadth	Depth	
Earthwork				
From Head Sluice on the South bank of the Pagavien channel				
Widening channel	300	6	7¼	13050
Do	270	6	3¼	5265
Do	2018	6	6¼	75675
Do	1380	6	5¼	43470
Do	855	6	3¼	16672½
Do	775	6	5½	25575
Do	2280	6	2	27360
Do	800	7½	1¼	7500
Do	2330	9	2¼	47182½
Do	936	9	1½	12636
Do — up to Head Sluice for the Podosoliem tanks	880	9	3	23760
Cutting channel	585	15	3	26325
Do	666	15½	3½	36130½
Do	774	15¾	3¾	45714⅜
Do	980	16½	4½	72765
Carried over				479080½

Brought forward				479080⅞
Cutting channel	585	17	5	49725
Do	552	17¼	5¼	49990½
Do	450	18	6	48600
Do	810	18¾	6¾	102515⅝
Do	540	18¼	6¼	61593¾
Do	760	17¾	5¾	77567½
Do	700	18½	6½	84175
Do	980	19¾	7¾	150001¼
Do	880	21¼	9¼	172975
Do	720	22	10	158400
Do	900	21½	9½	183825
Do	720	20¼	8¼	120285
Do	1418	19	7	188594
Do	1170	18¾	6¾	148078⅛
Do	558	18½	6½	67094½
Do	603	17½	5½	58038¾
Do	459	17¼	5¼	41568⅜
Do	605	18	6	65340
Do	1180	18½	6½	141895
Do	846	18¼	6¼	96496⅞
Do	620	17½	5½	59675
Do	666	16½	4½	49450½
Do	855	16	4	54720
Do	666	15¼	3¼	33308⅜
Do	648	14½	2½	23490
Do	504	14¾	2¾	20443½
Do	378	15¼	3¼	18734⅝
Do	747	15¾	3¾	44119⅛
Do	306	15½	3½	16600½
Do	342	15¼	3¼	16954⅜
Do	360	15	3	16200
Do	548	14¾	2¾	22229¼
Carried				2921466

Brought forward				2921466
Cutting channel	280	15¼	3¼	13877½
Do	333	15½	3½	18065¼
Do	333	16	4	21312
Do	594	17	5	50490
Do	261	16½	4½	19379¼
Do	342	15	3	15390
Do	324	14½	2½	11745
Do	675	15¾	3¾	39867⅜
Do	360	15½	3½	19530
Do	315	15¾	3¾	18604⅛
Do	270	15½	3½	14647½
Do	280	15¾	3¾	16537½
Do	162	16¾	4¾	12889⅛
Do	414	16	4	26496
Do	775	14¾	2¾	31435⅝
Do	387	14½	2½	14028¾
Do	468	14	2	13104
Do	423	13¾	1¼	7005⅝
Do up to Amoor Bank	826	13	1	10738
Total Cubic feet				3296609⅞
or Do Yards				122096⅞

Collector of South Arcot — Abstract

Quantity	Description of work	Rate	Amount	Total
122096	Cubic yards of Earth work	per Cyd	1	7631
				7631

3d Range Office South Arcot
Pomiar Amicut
10th November 1866

Total of Estimate Rupees 7631

Ellis Asst Lieut Col RE
Superintending Engineer

Impraudell
Engineer 3d Range South Arcot

Agricultural

Original Work

Detailed Estimate No. of 1866/67.

South Arcot District. Ellavanasoor Taluq

Work — Constructing a Head Sluice on the back of the Poodoosoliem and Annoor Channel for the Poodoosoliem Tanks.

Particulars of Work.	Measurement in feet L	B	H.	Cubical Contents
Foundation to front wall and abutments	43	3½	3	451½
Do. to wing walls	18	3¼	3	175½
Do. to rear portion of wing walls	10	3	3	90
Do. to Retaining wall	9½	2	4½	85½
Do. to flooring to Apron	8½	5	1½	63¾
Do. to Do.	9	7¼	1½	97⅞
Do. to Do.	2½	9½	1½	35⅝
Superstructure to front wall and abutments	35½	2	6	426
Do. Do.	17	2	3	102
Arch	8	10	1½	120
Covering to Do.	10	½	1	5
Packing to Do.	11	½	3	16½
Do.	11	1¾	3	57¾
Parapets	46	1½	2	138
Wing walls	18	2¼	6	243
Do.	18	1½	1¾	47¼
Rear portion of wing walls	10	1¾	6	105
Total Cubic feet				2260¼
or Cubic yards				83⅔

Abstract of the Estimate.

Quantity	Description of work	Rate	Amount	Total
83⅔	Cut Do. of Brick in Cumam work	P. by C.	3 . .	251 . .
6	Cross Stones	each	3 8 .	21 . .
	Carried over			272 . .

Louth Arcot District

No. 3 Range

Detailed Estimate No. of 1866/67

P. W. 49 03/66

Work — Improving the existing Channel from the Poodoosoliem main channel to the Ellapoden Tanks, and in continuation re-opening up the old Annoor Channel

Amount of Estimate Rs. 7651-0-0

Public Head Office
No III Cover

Estimate &c. for widening

Plo 49 83/11

Plan &c. showing the Situation of the Channel on the South bank of the Anicut

Reporting Coleroon at the Head Department of the Eastern Delta and shewing the Channel

Estimated Amount Rs 5200-

Abstract of the Estimate

No	Particulars of work	Rate	Amount	Total
1	Excavation of earth			
138	Cubic feet of Bricks in Chunam work — Per	2	276	
12	Cubic Yards of stones — Per	3	36	
2	Solid Stones — each	8	16	
3	Sagewood Planting — "	3	9	
2	Sagewood Shutters — "	7	14	
	Excavating foundation — "	3	6	
	Coffer damming and Pumping —		10	
			516	

Total Estimate Rupees 516

Approved

Sub Engineer No 3 Range
Vaitheeswaran
Draftsman 1st Class
Assistant Engineer

Estimated Amount Rupees 516

3% Range Office Establishment

Examined

Superintending Engineer

Fraser Lt
Collector Trichy Circt.

Commissioner's Office
10th November
1866

Statement shewing the amount of increase of revenue that will be realized by improving the old Channel which branches from Rajavien Channel and supplies the Amcon &c Villages.

Names of Villages	Nanjai Cawnies	Nanjai Teervai	Punjai to be converted into Punjai Cawnies	Punjai to be converted into Punjai Teervai	Water Cess Cawnies	Water Cess Teervai	Total Amount	Remarks
Amoor	71 — —	501 7 —	— — —	— — —	100 — —	500 — —	1001 7 —	
Ottanundal	— 7 —	2 7 10	30 — —	75 — —	30 — —	150 — —	227 7 10	It is given to understand by the village Karnams that there are such lands as these in the above villages and by cultivating them an increased amount of revenue will be effected.
Vadakoovalavadi	11 1 1	71 2 11	40 — —	87 8 —	40 — —	200 — —	358 11 11	
Ponnavalum	5 — —	45 — —	30 — —	65 10 —	30 — —	150 — —	260 10 —	
Velur	— — —	— — —	40 — —	67 8 —	100 — —	500 — —	567 8 —	
Rulumgumpett	— — —	— — —	80 — —	135 — —	100 — —	500 — —	635 — —	
Kasthipett	— — —	— — —	— — —	— — —	10 — —	50 — —	50 — —	
Kallathur	— — —	— — —	20 — —	62 8 —	20 — —	100 — —	162 8 —	
Mumtuppum	10 — —	90 5 —	20 — —	57 8 —	20 — —	100 — —	247 13 —	
Elanthurai	— — —	— — —	— —	— —	25 — —	125 — —	125 — —	
	97 8 1	710 6 9	260 — —	550 10 —	475 — —	2375 — —	3636 — 9	

Total Punjai including Nanjai Cawnies 357-8-1 Rupees 1261 — 9
" Punjai converted into Nanjai 475-0-0 " 2,375 — —
3636 — 9

24th October 1866.

Examined

Collector

Assistant Engineer

Sd/ Appasamy Moodr
Tahsildar of Ellavanasoor
Talug

Original Work

Agricultural

Abstract Estimate No. of 1866/67

South Arcot District. Ellavanasur Valuy

Work — Improving the existing channel from the Pagavien Main Channel to the Poodoopoliem Tanks, and in continuation re-opening up the old Amoor channel, for the irrigation of the lands in the villages of Poodoopoliem, Paliagarum, Amoor, Ottanundal, Koralewady, Pennavalum, Valur, Tholungumpat, Kasthipat, Kolathur, Mavoopum, Elundoray Do., constructing 2 Head Sluices & improving 2 Road Tunnels —

Quantity	Description of work	Rate	Amount	Amount each part.
	Earthwork to channel			
122096	Cubic Yds of Earthwork	per cyd.	1 "	7631 " "
	Total Earthwork			7631 " "
	Head Sluice of 2 vents			
138	Cubic Yds of Brick in chunam work	per cyd.	3 "	414 " "
12	Cross Stones	Each	3 8 "	42 " "
2	Sill Stones	Do.	3 8 "	7 " "
2	Teakwood Shutters	Do.	15 " "	30 " "
	Fastenings for Sluice			20 " "
	Excavating foundation			11 " "
	Scaffolding and Sundries			16 " "
	Total			520 " "
	Head Sluice of 1 Vent			
83 2/3	Cubic Yds of Brick in chunam work	per cyd.	3 " "	251 " "
6	Cross stones	Each	3 8 "	21 " "
1	Sill Stone			3 8 "
1	Teakwood Shutter			15 " "
				12
	Excavating foundation			6 " "
	Scaffolding and Sundries			13 8 "
	Total			310 " "
	Carried over			8461 " "

P.W.D. 893/66

Statement shewing the Amount of Estimate & Revenue that will be realized by improving the old Channel & making a new Channel from Pagavien Channel to Pepillier Tank & Villages —

No 65

From Charles H. Reade Esq.
Collr. of South Arcot

To Lieut. Col. R. Orr. R.E.
Secretary to Government
Public Works Dept.
Fort St. George

Sir,

I have the honor to request you will be pleased to lay before the Government for sanction the accompanying Plans & Estimate for re-opening the Amoor Channel a branch of the Pagavien river to Porto Novo & thereby to render it navigable for Boats & Vessels of small burthen.

The Channel has to be excavated for a length of 3½ miles & will require the removal of about 84,610 cubic yards of earth.

The Channel will pass through the Talook of Chillumbrum & the Collector of South Arcot has been requested to call upon the Ryots to furnish labour gratuitously for the work, which will be carried on under the superintendence of the Collector of South Arcot.

I have the honor to be
Sir
Your most obedient
humble Servant
C. H. Reade
Collr. of South Arcot

Brought forward 84,610 " "
Improving two Road Tunnels under which the Channel has to be conveyed 339 " "
3½ Range Office Southwards
Premium Amounting to 10% 339 " "
Total improvement & Tunnels
Total of Estimate Rupees 8800 " "

Rupees Eight thousand and Eight Hundred only

Surveyed
Asst Engineer No 3 Range South Arcot

E. A. Ford Lieut. R.E.
Superintending Engineer

South Arcot District
Plo 42 3/66
No 3 Range

Abstract Estimate No of 1866

Work — Improving the existing channel from the Pagavien main channel to the Podoopalien Tanks, and in continuation re-opening up the old Amoor channel, constructing 2 Head Sluices and improving 2 Road Tunnels.

Amount of Estimate Rs. 8800-0-

Received

No. 3901 Public Works Department

Proceedings of the Madras Government

Under date the 11th Decr 1866

Read the following

From

The Collector of South Arcot —— (H.P. No. 65 of 3d Decr 1866)

With this letter the Collector of South Arcot submits an Estimate amounting to Rupees 8,830 for the improvement of an existing channel from the Pagavien channel to the Poodoopolliem Tanks, and for re opening it, in continuation of it, the old Amoor Channel in the South

South Coast District.

2. From the papers submitted by the Collector, the Government note that the proposed works will not only ensure the irrigation of existing lands, but will bring under cultivation ~~2,357~~ 357 Candies of Nunjah Land which are now lying waste, and admit of 473 Candies of dry land being converted into wet. The return suspected from the work is Rs. 3,636 per annum, being a return of 40 per cent on the outlay.

Under these circumstances, the Governor in Council sanctions the Estimate for entry in the outgoing budget.

To
The S. Engr. S.D. with one specifn & one survey
" Accts Genl
" Controller P.W. Accounts
" Collr of South Arcot
dated 17th December 1866.

M.S. despatched to S. Engr 5th Div
11-12-66

S. C with one survey & one specifn despd to the S. Engr 5th Div
17th Decr/66

Public Works 1866 Dept^to

No. 3907

Pros: of the Madras Govt

Dated 11th December 1866

No 162-163