M.R.O. 1—4,002—To 9-44.

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 2735-36 (W9) Press
B.P. No: Mis.

Dated 21-9- 1875

Not to be folded or roughly handled

Read the following papers :—

No. 503.	From Offg. District Engr.,	Vizagapatam,	dated	14th	July 1875,	No. 587.
No. 503-A.	From District Engineer,	South Arcot,	,,	30th	,, ,,	,, 102.
No. 503-B.	From do.	Presidency,	,,	6th	Aug. ,,	,, 2,028.
No. 503-C.	From do.	Cuddapah,	,,	7th	Aug. ,,	,, ——
No. 503-D.	From Offg. Suptg. Engr.,	Nellore,	,,	7th	,, ,,	,, ——
No. 503-E.	From District Engineer,	Madura,	,,	7th	,, ,,	,, ——
No. 503-F.	From Suptg. Engineer,	Coimbature,	,,	7th	,, ,,	,, ——
No. 503-G.	From District Engineer,	Salem,	,,	9th	,, ,,	,, 40.
No. 503-H.	From Offg. District Engr.	Malabar,	,,	9th	,, ,,	,, ——
No. 503-I.	From District Engineer,	Bellary,	,,	9th	,, ,,	,, 937.
No. 503-J.	From do.,	Trichinopoly,	,,	10th	,, ,,	,, ——
No. 503-K.	From Ag. District Engr.,	Tanjore,	,,	10th	,, ,,	,, ——
No. 503-L.	From District Engineer,	North Arcot,	,,	11th	,, ,,	,, 1,916.
No. 503-M.	From Offg. District Engr.,	Tinnevelly	,,	13th	,, ,,	,, ——
No. 503-N.	From District Engineer,	Kistna,	,,	14th	,, ,,	,, 57.
No. 503-O.	From Suptg. Engineer,	Chingleput,	,,	18th	,, ,,	,, 1,952.
No. 503-P.	From District Engineer,	Ganjam,	,,	18th	,, ,,	,, 5.
No. 503-Q.	From Ag. Suptg. Engr.,	Godavery,	,,	19th	,, ,,	,, 1,532.
No. 503-R.	From District Engineer,	Kurnool,	,,	22nd	,, ,,	,, ——

No. 503-S. From Lieutenant-Colonel J. J. McLEOD INNES, R.E., Deputy Secretary to the Government of India, Public Works Department, (Account—Irrigation,) to Major-General G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department, (Irrigation Branch,) dated Simla, 6th September 1875, No. 265 A.—I.:—

In order to admit of the distribution of the grant for Irrigation Works for 1875-76, I am directed to request that a rough estimate of the probable requirements for Agricultural Works for 1876-77, prepared according to the instructions issued in Public Works Department, Nos. 174/82 A.—I., dated 17th August 1869, may be submitted, so as to reach the Government of India by the 28th September 1875 at the latest.

2. In the preparation of the estimate of demands for Extraordinary Works, I am to ask that the limits fixed in the forecast for the expenditure of the year may as far as possible be adhered to. No additional grant on the whole is likely to be allowed. On this point I am to ask attention to Public Works Department letter, No. 145, A.—G., dated 26th July 1875.

No. 503-T. Telegram from the Government of India, dated 8th September 1875.

No. 1,059.

No. 503-c. *Note by the Chief Engineer for Irrigation.*

THE rough estimate of funds required for Agricultural Works in 1876-77 shows a total of Rupees 37·55 lakhs, the similar estimate for 1875-76 being 37·66 lakhs. Under the main heads the differences are shown below :—

	1875-76.	1876-77.
	RS.	RS.
Extraordinary including Establishment	7·00	5·70
Ordinary—		
New Works	7·51	9·56
Repairs	15·00	15·00
Establishment	6·90	6·29
Tools and Plant	0·75	1·00
	37·66	37·55

2. The forecast of expenditure for the year, under Extraordinary, amounted to Rupees 6·45 lakhs. The smaller outlay now proposed is principally due to the Government of India having declined to sanction the estimates approved by this Government for certain sub-sections of the Kistna Delta until further information may be afforded.

3. Under Ordinary New Works the increase has been caused by the necessity for extending the Pennair, Palar, Poiney, and Pooniar Anicuts, and for embanking several of the rivers of this Presidency, the need of which was forcibly demonstrated by the floods of 1874 and 1875. In the case of the Godavery, had the recent fresh risen a little higher the damage might have been very serious. At the Kistna a great deal of damage was sustained in 1874. At the Pennair the floods did considerable injury on the south side, owing to the flood banks being designed for a much lower flood level, and the mistake has to be remedied. At the Pooniar, in South Arcot, the necessity for confining flood waters has been very clearly demonstrated, and until this has been done the South Indian Railway for several miles south of the point at which it crosses the river will be endangered. A good deal of field work has been necessarily found requisite in order that the flood banks may be properly designed, and consequently several of the estimates have not as yet been submitted for sanction, but in all cases attention is being given to the subject, and most of the estimates will, it is hoped, be soon ready.

4. No provision has been made for Godavery Delta village drainage, except for the village of Gollalamamidida in the Biccavole sub-section. Last year Rupees 30,000 were entered, but not sanctioned. It appears to be improbable from the estimates already reviewed that any considerable proportion of the expenditure required will be debitable to the Delta Works; in only one instance, the village above mentioned, has the estimate been of an amount to bring it under Major Works, and the few smaller estimates may probably be carried out from the Minor New Works grant. It has yet to be determined how drainage, the need of which is not due to the Delta Irrigation Works, is to be provided for, and papers on the subject are now before Government.

OOTACAMUND, (Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
16*th September* 1875. *Chief Engineer for Irrigation.*

Proceedings of the Madras Government, Public Works Department,
21st September 1875.

Rough Estimate of the probable requirements of the Madras Presidency on account of Agricultural Works for 1876-77.

Detail.	Amount of Estimate.	Sum that can be expended in 1876-77.	Remarks.
EXTRAORDINARY.	RS.	RS.	
Godavery.			
Completing the Eastern Delta ...	14·00	1·17	Item No. 4 of Budget of 1875-76.
Do. Western do. ...	14·10	1·42	Do. No. 5 of do. do.
Kistna.			
Eastern Delta.		*	
Improvements—Pullaroo Project...	1·88	0·01	Item No. 8 of Budget of 1875-76. Balance of estimate.
Widening head of Masulipatam (Eastern Main) Canal.	1·14	0·03	Item No. 10 of Budget of 1875-76. Balance of estimate.
Inampoody Under-tunnel Masulipatam Canal.	0·19	0·01	Sanctioned in G. O., No. 1,496, dated 31st May 1875.
Improving Ryves' Canal	4·14	0·50	Item No. 9 of Budget of 1875-76. No other large works would be in progress next year in 6th range, consequently Rs. 20,000 more are required than the usual allotment in this or past years, as the actual expenditure was in 1873-74 Rs. 42,000, and 1874-75 Rs. 33,000, and as all available labor now engaged on other works can then be employed on this work.
		*	
Nellore.			
Improvement of Survapully Channel.	4·20	0·21	Item No. 19 of Budget of 1875-76. Balance of estimate Rs. 1,317.
South Arcot.			
Pelandorai Anicut Project... ...	2·00	0·10	Item No. 35 of Budget of 1875-76. Revised estimate awaited.
Tanjore.			
Cauvery and Vennaur Head Works.	5·20	0·50	Item No. 14 of Budget of 1873-74 and G. O., No. 1,453, dated 30th May 1873.
Tinnevelly.			
Streeviguntum Anicut Project ...	10·40	0·34	Item No. 52 of Budget of 1875-76.
		4·29	
Proportion of Establishment, about 25 per cent.	...	1·08	
Tools and Plant, about 8 per cent...	...	0·33	
Total, Extraordinary ...	...	5·70	
ORDINARY.			
Vizagapatam.			
Improving Krishnamaraz Channel...	0·36	0·10	Item No. 3 of Budget of 1875-76. Revised estimate will be sanctioned in a short time.
Godavery.			
Navigation Canal, Nagram Island.	0·27	0·15	G. O., No. 2,004, dated 31st July 1874. Part of the cost will be met from Local Funds.

Rough Estimate of the probable requirements of the Madras Presidency, &c.—(Continued.)

Detail.	Amount of estimate.	Sum that can be expended in 1876-77.	Remarks.
Godavery.—(Concluded.)			
Raising River banks in the district...	Rs. ...	Rs. 0·90	Estimate not yet sanctioned, urgently required as shown by high fresh of July 1875.
Construction of protective works round the Polarani Island.	0·62	0·15	G. O., No. 477, dated 25th February 1874.
Drainage of Gollalamamidida in the Biccavole sub-section, Eastern Delta.	0·03	0·03	Under consideration.
River embankment road on the western bank of Godavery, between Vojeishweram and Polaram.	0·80	0·10	Item No. 36 of Budget of 1874-75. The Local Fund grant for this road will be all spent by the 31st March 1876. The grant for 1876-77 must be given from Imperial Funds.
Kistna.			
Constructing towing-path from Nizampatam Tidal Lock to Nizampatam.	0·09	0·09	Sanctioned in G. O., No. 1,415, dated 21st May 1875.
Shevagungah drainage	0·27	0·01	Item No. 11 of Budget of 1875-76. Balance of estimate.
Rest-houses in Eastern Delta ...	...	0·03	Estimates will be submitted shortly.
Navigation Lock establishments, tiled sheds, Eastern Delta.	* 0·13	0·07	* Approximated estimate. Estimates and plans are nearly ready, and will be submitted by District Engineer shortly.
Do. in Western Delta	0·09	0·05	Do. do. do.
Canal Ferry boats	0·20	0·08	Estimate for boats for the whole district will be submitted by District Engineer with plan shortly, *vide* G. O., No. 2,780, dated 2nd October 1874.
Compensation for land	...	0·02	To meet any probable demands in next year from Collector by making appropriations to Range Officers concerned on account of former works not now in progress.
Experiments on concrete and cements	...	0·01	It is contemplated to make experiments next year.
Nellore.			
Additional escape for the Nellore tank, and for altering the existing calingulah.	...	0·05	Item No. 21 of Budget of 1875-76. Estimate will be ready shortly.
Escape weir for the Chinnakraka tank.	...	0·04	G. O., No. 2,548, dated 18th September 1875.
River embankment on right bank of Pennair.	1·10	0·40	Provisionally sanctioned in G. O., No. 2,741, dated 21st Sept. 1875.
Lengthening the Pennair Anicut...	1·59	0·37	Item No. 20 of Budget of 1875-76, G. O., No. 1,738, dated 19th June 1875.
Chingleput.			
Madras Water Works Project ...	12·83	1·50	Item No. 28 of Budget of 1875-76. Including repayment of one lakh to Loan Funds.
Chembrumbaukum Tank Project ...	4·85	1·00	Item No. 29 of Budget of 1875-76. Including repayment of half a lakh to Loan Funds.

Proceedings of the Madras Government, Public Works Department,
21st September 1875.

Rough Estimate of the probable requirements of the Madras Presidency, &c.—(Continued).

Detail.	Amount of Estimate.	Sum that can be expended in 1876-77.	Remarks.
Chingleput.—(Concluded)	Rs.	Rs.	
Compensation for land	0·51	...	...
Extending and improving embankments of Korteliar river.	0·16	0·16	Estimates with Chief Engineer for Irrigation.
Construction of flood banks of Narrainaveram with certain masonry works.	0·90	0·30	Estimate will be ready shortly. Now under revision.
North Arcot.			
Restoration of the Palar Anicut ...	1·35	0·31	Item No. 32 of Budget of 1875-76. G. O., No. 1,473, dated 26th May 1875.
Do. of Poiney Anicut ...	0·60	0·09	Item No. 33 of Budget of 1875-76. G. O., No. 1,473, dated 26th May 1875.
Polur Tank improvements... ...	0·06	0·02	G. O., No. 1,200, dated 30th April 1875.
Alterations to Head-sluices of Palar Anicut.	0·16	0·16	Estimates awaited.
South Arcot.			
Extension of the Pooniar Anicut ...	0·50	0·22	G. O., No. 2,020, dated 16th July 1875.
Ponniar River embankments ...	...	0·50	Estimates awaited. Urgently required in connection with the railway, &c., as demonstrated by floods of 1874.
Salem.			
Constructing a new tank at Chinnakristnapooram.	0·08	0·05	Sanctioned in G. O., No. 3,015, dated 23rd September 1868. Revised estimate awaited.
Tanjore.			
Vaitangudi drainage	0·20*	0·05	* Approximate amount. Estimate expected to be ready in December.
Trichinopoly.			
Restoring Koduntheray Tank ...	0·15	0·10	Estimate awaited.
Improving supply of Vangur and other villages.	0·10	0·05	Half of the sum will be contributed by the villagers. Estimate awaited.
Streepoorandum Tank improvements.	0·03	0·03	Sanctioned in G. O., No. 2,345, dated 16th August 1875.
Coimbatore.			
Anicut and Head-sluice to supply Senepretty and other channels on right and left banks of the Ambravutty River near Caroor.	0·30	0·10	Estimates under preparation.
Tinnevelly.			
Kodagan Channel Head-sluice ...	0·12	0·05	Item No. 55 of Budget of 1875-76. Revised Estimate sanctioned in G. O., No. 2,663, dated 16th Sept. 1875.
Paliem do. do. ...	0·16	0·05	Item No. 56 of Budget of 1875-76. Revised estimate sanctioned in G. O., No. 2,502, dated 1st September 1875.
Tinnevelly do. do. ...	0·11	0·07	Item No. 57 of Budget of 1875-76.

Proceedings of the Madras Government, Public Works Department, 21st September 1875.

Rough Estimate of the probable requirements of the Madras Presidency, &c.—(Concluded.)

Details.	Amount of Estimate.	Sum that can be expended in 1876-77.	Remarks.
Tinnevelly.—(Concluded.)			
Nathiyuny Channel Head-sluice ...	RS. 0·03	RS. 0·02	Item No. 58 of Budget of 1875-76. Sanctioned in G. O., No. 3,194, dated 11th November 1874.
Melakallur Tank	0·11	0·08	
Minor New Works under 2,500 Rupees each.	...	2·00	
Total New Works, Ordinary ...	...	9·56	
Repairs, Agricultural	...	15·00	
Proportion of Establishment ...	...	6·29	
Tools and Plant	...	1·00	
Total, Ordinary ...	...	31·85	
Total, Agricultural ...	...	37·55	

No. 504. ORDER THEREON, 21st September 1875, No. 2,735.

IRRIGATION, No. 44.
Account.

ORDERED that the rough Estimate of the probable requirements of Agricultural Works in 1876-77 be forwarded to the Government of India, and that the following letter be sent.

2. Ordered also that the following telegram be despatched to the Government of India:—

Rough Estimate, Agricultural, Seventy-six seventy-seven; Extraordinary, five lakhs seventy thousand; Ordinary, thirty-one lakhs eighty-five thousand.

(Here enter No. 2,736, dated 21st September 1875.)

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Chief Engineer, for Irrigation.

Exd. S. T. Austin.
Spare Copies

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, 21*st September* 1875.

No. 505. No. 2,736.

FROM

MAJOR-GENERAL G. W. WALKER, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

IRRIGATION, No. 45.
Account.

SIR,—Adverting to the letter from the Deputy Secretary to the Government of India, No. 265 A.—I., dated 6th September 1875, I am directed to forward herewith the rough Estimate of requirements on account of Irrigation Works for 1876-77.

2. It will be observed that the amount asked for under Extraordinary is within the limit fixed for the expenditure of the year in the forecast of outlay. A copy of the Proceedings of this Government on the estimate is enclosed.

I have the honor to be,
Sir,
Your most obedient servant,

Major-General, R.E.,
Secretary to Government.

Exd. S. T. Austin.
Spare Copies

N°1059.

Letter from Govt of India No 265 A.J. 6 Sept 1915

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			- 15.00
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		37.66	- 37.55

The forecast of expenditure for Wagon, under Extraordinary, amounted to Rs. - prev 6.46 Lakhs. The smaller outlay now proposed is principally due to

F. 1st May/95. 21. 22.
18 Augt/95. 223-224.

No. 1875 Dept.
Dt. 1903 Rec.

From.
Govt of India.
Date 6th Septr/95
Recd - 15th Septr/95.
No. 265 A.J.

Requests to submit a rough Estimate of the probable requirements for Agricultural Works for 1896-96. before the 28th Septr/95 and giving certain instructions regarding the preparation of it.

Rlt 21-9-95
Sic-28-9-95
A.L. Mackay 15 Octr

No 1059.

Letter from Govt of India No 265 A.J. 6 Septr/95
Telegram do 8 "

Under 3

Date by the Chief Engineer for Irrigation.

The rough estimate of funds required for Agricultural works in 1896-97 shows a total of Rupees 37.55 Lakhs, the similar estimate for 1895-96 being 37.66 Lakhs. Under the main heads the differences are shown below.

	1895-96		1896-97
Extraordinary including establishment	5.50	-	5.50
Ordinary			
New works	7.51	-	7.56
Repairs	15.00	-	15.00
Establishment	6.90	-	6.29
Tools and Plant	0.75	-	1.00
	37.66	-	37.55

The forecast of expenditure for the year under Extraordinary amounts to Rupees 5.50 Lakhs. The smaller outlay now proposed is principally due to

the Govt of India having declined to sanction the estimates approved by this Govt for certain subsections of the Kistna delta until further information may be afforded.

Under Ordinary new works the increase has been caused by the necessity for extending the Pennair Palar Paiyar and Ponnair Anicuts, and for embanking several of the rivers of this Presidency, the need of which was forcibly demonstrated by the floods of 1874 and 1875 - In the case of the Godavery had the recent freshes risen a little higher the damage might have been very serious - At the Kistna a great deal of damage was sustained in 1874 - At the Pennair the floods did considerable injury on the south side, owing to the flood banks being designed for a much lower flood level, and the mistake has since been remedied - At the Ponniar in South Arcot the necessity for confining flood waters

has been very clearly demonstrated and until this has been done the South Indian Railway for several miles south of the point at which it crosses the river will be endangered - A good deal of field work has been necessarily found requisite in order that the flood banks may be properly designed, and consequently several of the estimates have not as yet been submitted for sanction, but in all cases attention is being given to the subject, and most of the estimates will it is hoped be soon ready.

4 - No provision has been made for Godavery Delta village drainage, except for the village of Pollalamenidide in the Bicavole sub section - Last year Rupees 30,000 were entered but not sanctioned. It appears to be improbable from the estimates already received that any considerable proportion of the

expenditure required will be debitable to the Delta works; in only one instance, (the village above mentioned), has the estimate been of an amount to bring it under Major Works, and the generality smaller estimates may profitably be carried out from the minor Rent Works grant. It has yet to be determined how drainage, the need of which is not due to the Delta irrigation works, is to be provided for and how the two subject are now before Government.

W. Cumberlege Lieut. R.E.
Chief Engineer for Irrigation

Colo. Command
16" Left 1/75

No. 1146 Secy: to Govt.
P.W.D.

Rough estimate of the probable requirements of the Madras Presidency on account of Agricultural Works for 1876-77.

Detail	Amount of estimate	Sum that can be usefully spended in 1876-77	Remarks
Extraordinary			
Godavery			
Completing the Eastern Delta	14.00	1.17	Item No. 4 of Budget of 1875-76
do Western do	14.10	1.42	do — v — 5 of do — do —
Kistna			
Eastern delta			
Improvements			
Pullairu Project	1.88	0.01	Item No. 8 of Budget of 1875-76 Balance of estimate
Widening head of Buckingham (Eastern main) Canal	1.14	0.03	Item No. 10 of Budget of 1875-76 Balance of estimate sanctioned in G. Otc. No. 1496 of 31st May 1875
Damsoody under Tunnel to Masulipatam Canal	0.19	0.01	
Improving Ryves Canal	4.14	0.50	Item No. 9 of Budget of 75-76 As other large works would be in progress next year in Kistna Range consequently Rs 20,000 more are required than the usual allotment in this or past years as the actual expenditure was in 1873-74 Rupees 42,000 & 1874-75 do 33,000
	3.14		

Kistna Canals			3.14	and as all available labor now engaged on other works can them be employed on this works.			
Nellore.							
Improvement of Cuvapully channel		4.20	0.21	Item No 19 of Budget of 1875-76 Balance of estimate 1317			
South Arcot.							
Pelandorai Anicut Project		2.00	0.10	Item No 35 of Budget of 75-76 Revised estimate awaited			
Tanjore.							
Vennaur & Tennaur Rs works		5.20	0.50	Item No 14 of Budget of 1873-74 & G.O. No 1453 of 30th May 1873			
Tinnevelly							
Shevigunteum Anicut Project		10.40	0.34	Item No 52 of Budget of 75-76			
			4.29				
Proportion of Establishment about 25 per cent			1.08				
Tools & Plant about 8 per cent			0.33				
Total Extraordinary			5.70				
Ordinary							
Vizagapatam							
Improving Krishnama-hadj Channel		0.36	0.10	Item No 3 of 13 Budget of 75-76 Revised estimate will be sanctioned in a short time			
			0.10				
Godavery							
Irrigation Canal Nagaram Island		0.27	0.15	G.O. No 3094 of 31st July 74 - Part of the cost will be met from Local Funds			
Raising river banks in the District -			0.70	Estimates not yet received but urgently required as shown by high floods of July 1875			
Construction of protective works Round the Polaram Island		0.12	0.15	G.O. No 477 of 25 February 1874			
Drainage of Cultivation in the Peddapalle sub-division - Eastern Delta		0.05	0.03	Sanctioned in G.O. No Item No 36 of Budget of 1874-75. The Local Fund grant for this road will be all spent by the 31st March 1876 - the grant for 76-77 must be given from Imperial Funds.			
River embankment road on the western bank of Godavery between Vejeshwaram and Polaram		0.80	0.10				
Kistna							
Constructing towing path from Bezwanpatam Sluice Lock to Bezwanpatam -		0.09	0.09	Sanctioned in G.O. No 1616 of 21st May 1875			
Shevigungah drainage		0.27	0.01	Item No 11 of Budget of 75-76 - Balance of estimate.			
Rest Houses in Eastern Delta			0.03	Estimates will be submitted shortly.			
Navigation Locks establishments tiled sheds Eastern Delta		0.13	0.07	x approximated estimate - Estimates & Plans are nearly ready & will be submitted by Dt Engr shortly.			
do in Western Delta		0.09	0.05	do do			
Canal Ferry boats		0.20	0.03	Note: for boats for the whole Dt will be submitted by Dt Engr with plans shortly vide G.O. No 2760 of 22 Oct 75			

Kistna Cont'd			
Compensation for land		0·02	To meet any probable demands in next year from Collector by making appropriations to Range offices concerned on account of former works not now in progress. It is contemplated to make experiments next year.
Experiments on Concrete and Cements		0·01	
Nellore			
Additional escape for the Nellore tank and for altering the existing Calingulah		0·05	Item No 21 of Budget of 1875-76. Estimate will be ready shortly
Escape weir for the Chinna Kraka Sank		0·04	G. O. No 242 dated 8th September/75
River embankment on right bank of Pennair	1·10	0·40	Provisionally sanctioned in G.O. No 2741 Dated 21st September 1875
Lengthening the Pennair anicut	1·59	0·37	Item No 20 of Budget of 1875-76 G. O. No 1738 of 19th June 1875
Chingleput			
Madras Water Works Project	12·83	1·50	Item No 28 of Budget of 1875-76. Including repayment of 1 Lakh to Loan funds.
Chembrumbaukum Tank Project	4·85	1·00	Item No 27 of Budget of 1875-76. Including repayment of ½ Lakh to Loan funds
Compensation for land Extending & improving embankments of Korteliar River	0·51	0·16	Estimates with Chief Engr for Irrigation.

Chingleput Cont'd			
Construction of flood banks of Karrai navaram with certain masonry works	0·90	0·30	Estimates will be ready shortly. Is under revision.
North Arcot			
Restoration of the Palar Anicut	1·35	0·31	Item No 32 of Budget of 1875-76 G. O. No 1473 dated 25th May/75
Do of Poiney Anicut	0·60	0·07	do do 33 of do do G. O. No 1473 dated 25th May/75
Polur Tank improvements	0·06	0·02	G O No 1200 of 30th April 1875.
Alterations to Head sluices of Palar Anicut	0·16	0·16	Estimates awaited
South Arcot			
Extensions of the Poniar Anicut	0·50	0·22	G. O. No 2020 of 16th July/75
Poniar River embankments		0·50	Estimates awaited - Urgently required in connection with the Railway, as demonstrated by floods of 1874.
Salem			
Constructing a new Tank at Chennakristnapooram	0·08	0·05	Land in G.O. No 3015 of 23 Sept 67/68. Revised estimate awaited.
Tanjore			
Vattangudi Drainage	0·20	0·05	Approximate amount. Estimate expected to be ready in December.

Tinnevelly.

Restoring Kodumthoray Tank	0.15	0.10	Estimate awaited.
Improving supply of Vaigai & other villages	0.10	0.05	Half of the sum will be contributed by the Villagers. Estimate awaited.
Sirrepoorandum Tank improvements	0.03	0.03	Sanctioned in G.O. No. 2345 dated 16th August 75.

Coimbatore.

Anicut & Head sluice to supply Seneprutty, & other Channels on right and left banks of the Amravutty river near Caroor	0.30	0.10	Estimate under preparation.

Tinnevelly.

Kodagan Channel	do	0.12	0.05 Item No. 55 of Budget of 1875-76 revised Estimate sanctioned in G.O. No. 1150 16th Sept 75
Palieu do	do	0.16	0.05 Item No. 56 of Budget of 1875-76 revised Estimate sanctioned in G.O. No. 2502 21st Oct 75
Tinnevelly do	do	0.11	0.07 Item No. 57 of Budget of 1875-76
Nattiyany do	do	0.03	0.02 do 58 do do
Inilakallur Tank		0.11	0.08 Sanctioned in G.O. No. 3174 of 11th Nov 75
Minor New Irrigation under 2500 Rupees each			2.00
Total New Irrigation Ordinary			9.56
Repairs Agricultural			15.00
Proportion of Establishment			6.29
Tools and Plant			1.00
Total Ordinary			31.85
Total Agricultural			37.53

G.O. 21 September 75 in P.W. No. 503

P.W. 6109/75

Note by the Chairman for Surveyor General

Ab. & Mbl. Mg. Nos 218-219
" 26 — " — 543C-543E
" 19 June 75 — " 438-439
" 30 May 73 — " 423-424
" 31 July 74 — " 739-740
" 25 Feby 74 — " 503-504
" 21 June 75 — " 400-403
" 2 Oct. 74 — " 37-38
" 4 Feby 74 — " 76-77
" 30 April 75 — " 713-714
" 16 July 75 — " 418-419
" 16 Augt 75 — " ~~245~~-246-247
" 17 July 74 — " 3-4
" 21 May 75 — " 565-567

P. W. 1175 Dept.
No. 6109

From

The Chief Engr.
for Irrigation

Dated 16 September 1875.
Read 23 " "

S. No. 1059

Note on the rough estimate of Tunga Bhadra for Agricultural works in 1876-77

S.O. 2735. 21-9-75.

No 5037 W

Public Works Dept.

No 2735

Proceedings of the Madras Government

Under date the 21st Septr 1875

Read the following

From

The Offg. Dist. Engr Vizagapatam (Ab. No. 587 of 14th July 1875
" Dist. Engr Salem (" " 102 " 30th " "
" " Presidency (" " 2028 " 6th Augt "
" " Cuddapah (" " " 7th " "
" Offg Supdg Engr Nellore (" " " 7th " "
" Dist. Engr Madura (" " " 7th " "
" Supdg Engr Coimbatore (" " " 7th " "
" Dist. Engr Salem (" " 40 " 9th " "
" Offg " " Malabar (" " " 9th " "
" Dist. Engr Bellary (" " 937 " 9th " "
" Dist. Engr Vizagapatam (" " " 10th " "
" Offg " " Tanjore (" " " 10th " "
" Dist. Engr N. Arcot (" " 1916 " 11th " "
" Offg " " Tinnevelly (" " " 13th " "
" Dist. Engr Kistna (" " 59 " 14th " "
" Supdg Engr Chingleput (" " 952 " 18th " "
" Dist. Engr Ganjam (" " 5 " 18th " "
" Offg Supdg Engr Godavery (" " 632 " 19th " "
" Dist. Engr Trichinopoly (" Ab. 265 " 20th " "
" Govt of India — (" " " 8th " "
" Telegram dd — (" " " 8th " "
" Noted by the Chief Engr for Irrign (" " " " "

8446.

Pro: of the Madras Government
dated the 4th Sept 1875
Read the following:-

From
Sec. to Govt of Engr. for Irrigation (N. E. Dis. 9 16 Sept 1875)

Ordered that the
rough estimate of the
probable requirements
of Agricultural works
in 1876-77 be forwarded
to the Govt of India and
that the following letter
be sent -

2- Ordered also that
the following telegram
be despatched to the
Government of India -
Rough estimate - Agri-
-cultural - Seventy nine
seventy

Seventy seven - Extraordi-
-nary five lakhs seventy
thousand - Ordinary
thirty one lakhs eighty five thousand
~~Lakhs~~

Ly. 1619

Cert.

To
The Chief Engr
for Irrign. 6
Office — 17
Govt of India — 26
SC Disp. 5-10-75

21 Sept. 1875

No 2736

From
The Secretary to the Government
of India, P.W.D.

Sir,

Adverting to the letter
from the Deputy Secre-
-tary to the Government
of India No 265 P.W.
dated 6th September 1875,
I am directed to forward
herewith the Progress es-
-timate of Requirements
on account of Irrigation
works for 1876-77.

It will be observed
that the amount asked
for

for under Extraorde-
-nary is within the
limit fixed for the
expenditure of the year
in the forecast of anticipa-

Copy of the Proceedings of
this Government on the
Estimate is enclosed.

Ry. 16/9

Copy

Sec of Letter 25-SC
of the previous Rec dept
5-10-75

No. 503/5

6109

1875 Madras

PUBLIC WORKS.

Sanction Letter dated 10th Sept 1875

Mr. Lindsay

Mr. Allen

Mr. Ellis

Mr. Lindsay

Mr. Allen

Mr. Ellis

Mr. Lindsay

Mr. Allen

Mr. Ellis