

(1) Number of pages _____

(2) Date of repair _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No. <i>8186</i>	Press
B.P. No.	Misr
Dated <i>19-8-</i>	195 <i>1874</i>

Not to be folded or roughly handled

Read the following papers —

No 456 From Lieutenant D McNEIL CAMPBELL, R E, Executive Engineer in charge Godavery District, to Lieutenant-Colonel J MULLINS, R E, Chief Engineer for Irrigation, dated Dowlaishweram, 17th July 1876, No 1 089

WITH reference to paragraph 3 of G O, No 1,111, of 5th May 1876, I have the honor to forward herewith a statement showing the sanction for distributaries from the lump sums included in the completion project for the several canals in the Eastern Delta under the head "Extraordinary" and (as far as it can be ascertained) the additional acreage irrigated or to be irrigated by these distributaries, and request that you will be good enough to obtain orders of Government for the confirmation of the sanctions already given for the works detailed in the statement. You will notice from the remarks in the statement that the additional land proposed to be irrigated under each distributary cannot be ascertained, and the reason for this is as follows — Some years ago the irrigation was carried on chiefly by means of palmyra spouts in the main canal banks with small channels leading from them, there were also old masonry sluices and channels constructed at Government expense, this method of irrigation by a number of separate heads being considered objectionable, estimates were prepared out of the lump sum allowed for distribution, for head sluices and channels to run parallel to the main canal and render all the palmyra spouts unnecessary, these channels were of course to irrigate all the land formerly watered by the spouts, &c, and in some cases it appears that it was assumed that additional land would be taken up, though how much this was cannot be ascertained, except in very few cases, as in the plans only the total acreage is mentioned, and it is now impossible to ascertain what the area of cultivation was before the new channels were dug. Such being the case, it is evident that the cost of distribution per acre cannot be given, for, dividing the cost of one of the new sluices and distributaries by the total acreage under it would give a false result, as the cost of the old works should be added to the former. Sometimes the work sanctioned was not intended to cause any increase of cultivation, such as a culvert on a road where there was formerly a breach, a regulator on an old channel to render the distribution of water easier, &c, &c, such works it appears to me should have been charged to Revenue; however this was not done. From the statement the total cost per acre of the whole distribution arrangements under each canal can be seen, and it will be noticed that in every case, except that of the Cocanada and Samulcottah canals, the cost is considerably below Rupees 4 an acre, so that as long as the lump sum sanctioned by Government is not exceeded, there must be a profit, i.e., if the proposed extra land is cultivated wet. In submitting estimates in future a separation will always be made between the land now irrigated and that proposed to be irrigated, but, as this has not been done hitherto except in a very few cases, I am sorry I cannot submit the statement in a more complete form. In the case of the Cocanada and Samulcottah canals the cost of distribution is very high, viz, Rupees 13 21 per acre, the reason of this appears to be that the distribution arrangements were more for the purpose of improving existing cultivation than for extending it.

Proceedings of the Madras Government, Public Works Department,
19th August 1876. No 2,186

With reference to your memorandum, No. 49 GD, of the 29th May 1876, I have the honor to state that the information in the form required by the Government Order above alluded to in support of the estimates for the works noted in the margin forwarded I with my letter, No. 446, of the 10th May 1876, is embodied in the statement now forwarded. I therefore request that orders of Government for excesses over the sanctioned estimates may be obtained.

	Original Estimate Rs	Excess requiring sanction Rs
Excavating Thosspudi north side channel	2,410	210
Constructing an aqueduct over south side channel from Thosspudi lock	744	82
Do. from Madapad lock	590	12

Statement showing the sanctions for Distributaries from the lump sums for the several Canals in the Eastern Delta Division, Godavery, under the head "Extraordinary," and the additional acreage irrigated or to be irrigated by them

Canals	PROVISION FOR DISTRIBUTARIES			Total	Additional Acreage to be irrigated	Rate per Acre	ESTIMATES ALREADY SANCTIONED			Remarks
	Masonry	Earth-work	Amount				Acreage	Rate per Acre		
1	2	3	4	5	6	7	8	9	10	
Cocanada Canal	21,000	8,000	29,000	2,194	13 21	25,545	37,710		The figures entered in column 8 are the total of the acreages (now irrigated and proposed to be irrigated) under the channels, the increase of cultivation due to the execution of the distributaries cannot be ascertained, as most of the works were made for the sake of a better regulation of water-supply by providing proper channels with head sluices and regulators instead of allowing the irrigation to be carried on by means of numerous palmira spouts and small channels. In fact, the works appear to have been designed more with the idea of improving existing cultivation than of extending it. In some cases the total acreage cannot be	
Excavating the Thosspudi north side channel						2,410	9,000			
Constructing head sluice to side channel from Thosspudi channel on north side						995				
Do an aqueduct over do						805				
Excavating Thosspudi south side channel						2,370				
Constructing head sluice to side channel from Thosspudi channel on south side						942	5,200			
Do an aqueduct over do						748				
Do head sluice to Palthodoo Bodi channel						590	2,500			
Do an aqueduct over do						450				
Completing the Madapad south II L channel						2,770				
Constructing an aqueduct over do						590	800			
Do culvert on Woondoor road south of do.						1,690				
Widening Karapa Bodi channel						250				
Extension of do						1,160				
Constructing a tunnel under Sampara Bodi channel						270	12,160			

Statement showing the sanctions for Distributaries from the lump sums, &c—(Continued)

Canals.	Provision for Distributaries.		Total	Additional Acres to be irrigated	Rate per Acre	ESTIMATES ALREADY SANCTIONED		Remarks
	Masonry	Earth- work				Amount.	Acres to be irrigated	
Constructing a regulating dam to Sam- par and Karpas head channels ...	..	..	..	..	..	1,450	..	ascertained, and it is believed that such works were design- ed simply for the purpose of remedying defects in existing channels. If in the above observations it will be seen that it would be useless to fill up column 9 by dividing figures in column 8 by those in column 7, as the result would prove nothing. The above remarks apply to the distributary arrangements of all the canals in the dist.
Do a head sluice west of Chirappilly lock ...	..	..	..	..	..	1,900	..	
Do a regulating dam across Kyla- re channel ...	..	..	..	..	..	650	..	
Excavating the Phad channel above Ma- dialla ...	..	..	..	..	..	750	..	
Constructing a sluice at the head of regulating channel from 7th to 9th mile ...	..	..	..	..	..	700	..	
Excavating a head sluice to do discharge of water in the south bank of Coringa canal ...	..	..	..	..	..	240	..	
Excavating an irrigation channel in the right bank of Coringa canal from 7th to 11th ...	..	..	..	..	..	535	..	
Constructing head sluice to do for treating dam for Vandra channel ...	..	..	..	..	..	850	..	
Do do to Vandamoor channel ...	..	..	..	..	..	650	..	
						400	..	
						700	..	
						550	..	
						3,400	..	
						25,515	..	
						37,710	..	

Proceedings of the Madras Government, Public Works Department, 19th August 1876. No. 2,186.									
Coringa Canal	18,000	8,000	26,000	10,810	2 45	The same remark applies equally to this channel as to the Cocanada channel		..	..
						1,350 530	1,100		
Excavating channel from Yerupally sluice to Vella south side sluice	..	..	..	..	..	990	5,300	..	..
Constructing head sluice to do	..	..	..	..	..	1,220	2,000	..	..
Excavating Cuzcolor irrigation chan- nel	..	..	..	..	..	1,020	..	..	..
Constructing head sluice to do	..	..	..	..	..	1,000	..	..	..
Excavating Itapody irrigation channel	..	..	..	..	..	440	..	..	..
Constructing head sluice to do	..	..	..	..	..	430	1,000	..	..
Deepening and widening Seela drainage channel	..	..	..	..	..	1,308	8,900	..	..
Constructing head sluice to Kongode channel	..	..	..	..	..	828	5,600	..	..
Do do to Vella north side H L channel	..	..	..	..	..	900	7,600	..	..
Do do to Vella south do do	..	..	..	..	..	680	..	..	..
Do do above Alamoer lock on the right bank of Coringa canal	..	..	..	..	..	590	..	..	..
Constructing a regulator No 1 on Yana- madala irrigation channel	..	..	..	..	..	630	..	..	..
Do do No 2 do do	..	..	..	..	..	800	..	..	..
Do do No 1 on Vandamoer do	..	..	..	..	..	380	400	..	..
Do do No 2 do do	..	..	..	..	..	600	850	..	..
Do, tunnel below Thammulla chan- nel	..	..	..	..	..	690	..	..	..
Do a teakwood trough to carry irriga- tion channel over the backwater near Munjar lock	..	..	..	..	..	14,386	32,750	..	..
Do do over Wodoor Bodu channel over Chodaram drain	..	..	..	..	..	..	..	..	..
Mundapett Canal	9,000	2,000	11,000	7,071	1 55	..	..	..	..
Revised, vide G.O., No 1,281, dated 22nd May 1876	4,467	7,403	11,870	..	..	1,351	87	..	..
Excavating a channel for Matasveram village	..	..	..	..	..	..	..	..	..
Constructing head sluice to do	..	..	..	..	..	..	..	..	..

Proceedings of the Madras Government, Public Works Department,
19th August 1876. No 2,186.

Statement showing the sanctions for Distributaries from the lump sums, &c—(Continued)

Statement showing the sanctions for Distributaries from the									
Cases	Provision for Distributaries		Total	Additional Acreage to be irrigated	Rate per Acre	Estimates already sanctioned			Remarks
	Masonry	Earth-work				Amount	Acreage	Rate per Acre	
1	2	3	4	5	6	7	8	9	10
Excavating new irrigation channel on the right side of Mundapett canal from the main distributary to Chendur ...	...	...	...	...	...	1,400	...	...	...
Excavating a channel in the right bank of Mundapett canal ...	...	...	...	...	...	157	5,700	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	450	...	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	2,600	...	...	...
Excavating a channel in the right bank of Mundapett canal ...	...	...	...	...	...	620	2,700	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	580	...	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	1,670	1,000	...	...
Excavating a channel in the right bank of Mundapett canal ...	...	...	...	...	...	600	...	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	159	...	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	300	...	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	320	1,000	...	...
Excavating a channel in the left bank of Mundapett canal ...	...	...	...	...	...	910	1,500	...	...

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19th August 1876. No 2,186.

Do to Chelloor and Mochumully channels Do right bank	...	...	...	...	...	...	600	...	...
Bank Canal	5,600	7,500	13,100	33,518	0 39	11,870	12,500	...	...
Ingeram Canal	9,000	2,000	11,000	4,100	2 67	...	...	...	...
Excavating channel from sluice on the right bank of Ingeram canal from 22nd to 24th mile	...	...	...	...	...	900	1,500	...	...
Constructing head sluice to do	...	...	...	...	...	620	...	...	...
Excavating channel on the right bank of Ingeram canal from 24th to 27th mile	...	...	...	...	...	1,920	2,700	...	...
Constructing head sluice to do	...	...	...	...	...	730	...	...	...
Excavating an irrigation channel on the left bank of Ingeram canal at the 22nd mile to irrigate down to the 27th mile	...	...	...	...	...	1,850	1,500	...	...
Constructing head sluice to do	...	...	...	...	...	600	...	...	...
Samulcottah Canal	8,500	15,200	23,700	1,205	19 66	6,680	5,700	...	...
Excavating a channel from sluice at 12 1/4 mile	...	...	...	...	...	3,800	4,520	...	...
Constructing sluice No 3 to do	...	...	...	...	...	1,040	...	...	...
Excavating a channel from sluice at 19 1/4 mile	...	...	...	...	...	2,050	5,400	...	...
Constructing sluice No 4 to do	...	...	...	...	...	1,090	...	...	...
Excavating channel from sluice at 22 1/4 mile	...	...	...	...	...	2,760	6,200	...	...
Constructing sluice No 5 to do	...	...	...	...	...	1,200	...	...	...
Regulating weir for Pundoolapaka channel	...	...	...	...	...	610	1,050	...	...
Constructing sluice No 1 at 5 1/4 mile	...	...	...	...	...	650	1,680	...	...
Do. No 2 at 9 1/4 "	...	...	...	...	...	650	1,305	...	...
Do. No 6 at 26 1/4 "	...	...	...	...	...	1,160	5,000	...	...
						15,010	25,215		

Proceedings of the Madras Government, Public Works Department,
19th August 1876. No. 2,186.

ABSTRACT OF FOREGOING

Cases	PROVISION FOR DISTRI- BUTION.			Total	Additional Acreage to be irrigated.	Rate per Acre	ESTIMATES ALREADY SANCTIONED.			Remarks
	Masonry.	Earth- work.					Amount	Acreage.	Rate per Acre.	
		2	3	4	5	6				7
Cocanada Canal	21,000	8,000	29,000	2,191	13 21		25,545	37,710	...	
Coringa do	18,000	8,000	26,000	10,810	2 45		14,386	32,750	..	
Mandapett do	9,000	2,000	11,000	7,071	1 55		11,870	12,500	.	
Bank Canal	5,000	7,500	13,100	33,518	0 39		.	.	...	
Injerata do	9,000	2,000	11,000	4,110	2 67		6,050	5,700	...	
Famulottah do	8,500	13,200	23,700	1,203	19 66		15,010	25,215	.	
	71,100	42,700	113,800	58,903	1 93		73,491	113,875	..	

(Signed) D. McNEIL CAMPBELL, Lieut, R.E.,
Executive Engineer, Godavery District

LOWLAISHWEIEM,
2nd July 1876

Proceedings of the Madras Government, Public Works Department,
19th August 1876 No. 2,186.

✓ No 456-A From Lieutenant D McNEIL CAMPBELL, R E, Executive Engineer
in charge Godavery District, to Lieutenant-Colonel J MULLINS, R E, Chief
Engineer for Irrigation, dated Dowlaishweiem, 17th July 1876, No. 1,095.

With reference to your memorandum, No 50 GD, of the 29th May 1876, I
have the honor to submit herewith a statement showing the information in the form
required by G O, No 1,111, dated 5th May 1876, regarding the additional acreage to
be irrigated under the proposed channel on the right bank of the Cocanala canal from
the 27th mile to near Coveor, and to request you will be good enough to obtain sanction
of Government for the estimates forwarded with my letter, No 425, of the 15th May
1876 Explanation as to why detailed information regarding the increase of cultiva-
tion cannot be given will be found in my letter, No. 1,089, dated 17th July 1876.

Proceedings of the Madras Government, Public Works Department,
19th August 1876. No. 2,186.

Statement showing the additional Area to be irrigated under the proposed Irrigation Channel on the right bank of Cocanada Canal from the 27th mile to near Coovoor

Canals	Provision for Distribution		Total	Additional Acreage to be irrigated.	Rate per Acre	Estimates already sanctioned			Remarks
	Masonry.	Earth-work.				Amount	Acreage	Rate per Acre	
1	2	3	4	5	6	7	8	9	10
Cocanada Canal	21,000	8,000	29,000	2,191	13.21				As figures in column 8 include present irrigated land, it would be useless to fill up column 9, viz remark in statement forwarded with letter, No. 1,083, of 17th July 1876
Total amount of estimates sanctioned up to date, as per statement forwarded with letter, No. 1,083, dated 17th July 1876	...	...	...	...	...	23,515	37,710	...	
Amount of estimates submitted for sanction with letter, No. 425, of the 16th May 1876	...	...	...	...	...	1,661	2,500	...	* Including present irrigated area
Total	...	...	...	...	...	25,176	40,210	...	

(Signed) D. MCNEIL CAMPBELL, Lieut., R.E.
Executive Engineer, Godavery District

DOWLAISHAWYAM,
4th July 1876

Proceedings of the Madras Government, Public Works Department,
19th August 1876. No. 2,186

No. 140-W.

No. 456-B.

Note by the Chief Engineer for Irrigation

With the former letter the District Engineer transmits a statement prepared as directed in G.O., No. 1,111, of the 5th May last, showing all the sanctions already given to estimates for minor distribution works against the lump sum provisions on that account in the sanctioned* estimates of the several canals of the Eastern Section

* By Government of India.

of the Godavery Delta, and it will be seen that, owing to these provisions being partly for improving the distribution arrangements of the old irrigation and partly for the supply of new lands, it is not practicable to compare the area of the latter with the amount provided, or to show, as had been intended, the progress of expenditure in relation to the extended acreage under the several canals. The abstract at the end of the statement shows how the case stands. The additional area under the Cocanada canal was expected to be only acres 2,194, but the provision for distribution works is Rupees 29,000, and the estimates amounting to Rupees 25,515 there against sanctioned are connected with the irrigation of 37,710 acres, or on the average 0.68 of a Rupee per acre will be expended on improvements. Again, the additional acreage to be irrigated by the Simulcottah canal was acres 1,205, and the lump sum provision is Rupees 23,700, estimates amounting to Rupees 15,010 have been sanctioned for the irrigation partly of new and partly of old land of the extent of 25,215 acres, or on the average nearly 0.60 of a Rupee per acre. These are the extreme cases in the one direction, viz, that of old canals which have been themselves improved and the distribution under which has been, either because the old arrangements were no longer applicable or were objectionable, rearranged. For the other four canals the lump sum provision was small compared with the additional acreage, but for all except the Bank canal for which no distribution estimates have yet been passed, the actual acreage connected with the new or improved works is in excess of the total additional acreage expected to be irrigated.

2. The District Engineer asks for the confirmation of the sanctions given before the orders contained in G.O., No. 1,111, of the 5th May last, were issued. The total of these distribution estimates is Rupees 73,491.

3. In the letter No. 1,095, the District Engineer asks for the sanction of an estimate of Rupees 1,600 for a distributary on the right bank of the Cocanada canal in the 27th mile. The estimate was originally submitted for sanction in May last, and was kept back for the information required by the G.O. of the 5th May

No. 425, 15th May

already above referred to. The lump sum provision and the amounts already sanctioned are as follow —

	Lump sum Estimates.	Estimates already sanctioned.	Present Estimate	Total of Estimate	Balance.
Masonry works	Rs 21,000	Rs 14,265	Rs 810	Rs 15,075	Rs .
Earthwork	8,000	11,280	850	12,130	..
	29,000	25,515	1,660	27,205	1,795

*Proceedings of the Milan Government, Public Works Department,
19th August 1876. No. 2,126.*

The acreage to be supplied by the distributary now estimated for is 2,500, which includes, and is chiefly, old irrigation. The estimate provides for a head sluice and a channel 2 miles long, and the classification is—

COCANADA CANAL.							RS.
3	Distributaries—Channel R B	27th mile					810
C	Works—Head sluice						850
L	Earthwork						1,000

The estimate is recommended for sanction

OOTACAMUND,
3rd August 1876.

(Signed)

JOHN MELLINS, Lt -Col, R.E.,

Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No 457.

ORDER THEREON, 19th August 1876, No 2,186.

IRRIGATION, No 49.

Account

THE sanction of the estimates, amounting to Rupees 73,491, for distributaries, Eastern Delta, Godavery, is confirmed as follows. —

189 I of 1876-77	{	1 Cocanada Canal	...	..	..	...	...	Rs. 25,345
		2. Coringa do	..	...	.	...	...	14,288
		3 Mundapett do.	...	..	...	...	...	11,870
		4 Ingeram do	...	..	..	..	...	6,680
		5 Samulcottah do	...	.	..	.	...	15,010

The registered numbers of the sanctions are shown above

2. The estimate of Rupees 1,600 for a distributary in the right bank of the Cocalada canal, 27th mile, is sanctioned as follows —

GODAVERY EASTERN DELTA.

COCANADA CANAL			
Fund—Capital Extraordinary			
Main-head—(3) Disbursaries			Rs.
Sub-heads—C Works	..	..	819
Do —L Earthworks	..	..	859
			<hr/>
	Amount of estimate	..	1,669

3. This estimate has been registered as No 100-I of 1876-77.

(True Extract)

Colonel,

Offg Under Secy to Govt, P W.D.

To the District Engineer, Godavery.
 " Collector of do
 " Chief Engineer for Irrigation
 " Examiner of Public Works Accounts
 " Revenue Department.

Exd E C Shunkor
Spare Copies

N^o 140-24

From District Engineer, Godavari, No. 1089-17 July 1976

— " — do, — " 1095-17-do-

Notes by the Chief Engineer for Irrigation

Encls 4

With the former letter the District Engineer transmits a statement prepared as directed in G.O. No. 1111 of the 5th May last showing all the sanctions already given to estimates for minor distribution works against the lump sum provisions on that account in the sanctioned estimates of the several canals of the Eastern Section of the Godavary Delta, and it will be seen that, owing to these provisions being partly for improving the distribution arrangements of the old irrigation and partly for the supply of new lands, it is not practicable to compare the area of the latter with the amount provided or to show, as had been intended, the progress of expenditure in relation to the extended acreage under the several

* by Government
of India.

canals. The abstract at the end of the statement shows how the case stands. The additional area under the Cocanada Canal was expected to be only acres 2,194, but the provision for distribution works is Rupees 29,000 and the estimates amounting to Rupees 25,345 there against sanctioned are connected with the irrigation of 37,710 acres or on the average 0.68 of a Rupee per acre will be expended on improvements. Again the additional acreage to be irrigated by the Samul-cattah Canal was acres 1,205 and the lump sum provision is Rupees 23,700, estimates amounting to Rupees 15,010 have been sanctioned for the irrigation partly of new and partly of old land of the extent of 25,215 acres, or on the average nearly 0.60 of a Rupee per acre. These are the extreme cases in the one direction viz that of old canals which have been themselves improved and the

10
distribution under which has been, either because the old arrangements were no longer applicable or were objectionable, rearranged. For the other 4 canals the lump sum provision was small compared with the additional acreage, but for all except the Bank Canal for which no distribution estimates have yet been passed the actual acreage connected with the new or improved works is in excess of the total additional acreage expected to be irrigated.

2. The District Engineer asks for the confirmation of the sanctions given before the orders contained in G.O. No. 1111 of the 3rd May last were issued. The total of these distribution estimates is Rupees 7,34,91

3. In the letter No. 1095 The District Engineer asks for the sanction of an estimate of Rupees 1,660 for a distributary on the right bank of the Cocanada Canal in the 27th mile. The estimate

was originally submitted for sanction Rs 425-15⁰⁰ May in May last and was kept back for the information required by the G.O. of the 5th May already above referred to. The lump sum provision and the amounts already sanctioned are as follows.

	Lump sum Estimate	Estimates already sanctioned	Present Estimate	Total Estimate	Balance
Masonry Works.	21,000	11,265	810	15,075	
Earthwork.	8,000	11,280	850	12,130	
	29,000	25,545	1,660	27,205	1,795

The acreage to be supplied by the distributary now estimated for is 2,500 which includes, and is chiefly, old irrigation. The estimate provides for a head sluice and a channel 2 miles long and the classification is

Locanada Canal.

3. Distributaries - Channel R.B. 27th mile
C. Works - Head sluice - Rupees 810
L. Earthwork ————— 850
1,660

The estimate is recommended

for sanction

Twined sanction

MLE

Wendurkins Lint. Colonel MLE
Chief Engineer for Engⁿ

Atasamund 3
3rd August 1876 3

To
The Secretary to Govt P.W.D.

for 28 Sept 70. No 2326
5 May 75 - 1111

P.W.D.
1875

From
The Chief Engineer for Irrigation
To
The Secretary to Govt.
P. W. D.

Dated 3 August 1876

Enclos 4

N^o 142-175

No 456a

Godavery Delta Note, submitted
for confirmation, sanctioned estimates
amounting to Rs 71,491 for distribution
of Delta & recommended for sanction
estimate for Rs 1660 for a distribution
in the right bank of the Godavari
Canal.

P. W. Dept.

Note by the Chief Engineer for Irrigation
No 140 N, dt 3rd August 1876

Circulated for orders.
The disposal will depend
upon the decision of Govern-
ment in the Examiner's
letter No 121 W. 17 July. Alter-
native disposals are
enjoined.

Draft 1

Should be disposed
to adopt Draft 2 -
pending the interpretation
of the Govt of India
which I have proposed
to seek. P.W.
see other
Memo.

The confirmation
of the Government of
India will be requested
to the sanction of the
estimates amounting to
Rupees 73,491 given under
a misapprehension by
the District Engineer, Godavery
and Chief Engineer for
Irrigation to detailed

Cy 7-8-76 Ptd 19-8-76
Dist. Engr.

estimates for distribution
works in the Eastern
Delta Godavery, against
himp sum provision
under that head in the
estimates sanctioned
by the Government of
India for the several
canals of that Delta.

2. The estimate of
Rupees 1660 for a distributary
in the right bank of
the Cocanada Canal
27 mile will be submitted
for the sanction of
the Government of India.

Drift 2.

The sanction of the
estimates amounting
to Rupees 73,491 for dis-
tributaries, Eastern Delta,
Godavery, is confirmed
as follows.

Cocanada Canal Rupees 25,545 - do - I of 1876-77
Coringa - do - " - 14,386 - " - do -

1. Cocanada Canal	125,545
2. Coringa	14,386
3. Munda-peth	11,870
4. Ingeram	6,680
5. Samulcottah	15,010

1023

Munda-peth Canal Rs. 11,870 No. I of 1876-77.

Ingeram - " - 6,680 - " - do -

Samulcottah - " - 15,010 - " - do -

The registered numbers of the sanctions are shown above.

The estimate of
Rupees 1660 for a distributary
in the right bank of the
Cocanada Canal 27th
mile is sanctioned as
follows.

Godavery Eastern Delta
Cocanada Canal

Fund. Capital Extraordinary
Main head (3) Distributaries
Subheads C. Works - Rupees 810
- do - L. Earthworks - 850
Amount of estimate Rs 1660

This estimate has been registered as No 109 I of
1876-77

W. H. Mullins B. A. Colncll.
Joint Secretary to Govt. P.W.D.

By Secretary
Collection - do
C. E. for J. with 4 Encls
Encl 1 to 4
Rev Sept

Recd 13/9/76

12456/57

12456/57

12456/57

6017

Gobt. of Madras.

PUBLIC WORKS.

To

Mrs. D. S. S. S. S.

D. 1

L. 1

R. 2

Encl

G. O. 11th Sept 78 No

217

Recd. 15-6-78

Eastern Delta (Relaxing)

Sanctioning Stakes
mounting to Rs. 7500/-
for distribution in the
Canals and Puzha
Canals in the

10-9-78