

11366
Public Works (1896) Department.

G.O., No. 1051-2.I.

DATED 15. December

[Despatch Abstract.]

Schedule of demands: Approving the - on Imperial funds for expenditure on irrigation major works for 1897-98 as drawn up by the Chief Engineer for Irrigation and directing that it be forwarded to the Govt of India.

Schedule of demands: Forwarding Govt: a p. proving the - on Imperial funds for expenditure on irrigation major works for 1897-98 as drawn up by the Chief Engineer for Irrigation.

10/14

16/12

[11366]

16/12

[illegible]

G.O.	No.	Department	Date	G.O.	No.	Department	Date

Government { 1896 } of Madras.
PUBLIC WORKS.

Spare copies

DECEMBER.

Forwarding Proceedings approving the — on Imperial funds for expenditure on Irrigation major works for 1897-98, as drawn up by the Chief Engineer for Irrigation.

ORDER—No. 1051 I., dated 15th December 1896.

The schedule of demands on Imperial funds for expenditure on Irrigation major works for 1897-98, as drawn up by the Chief Engineer for Irrigation, is approved and will be forwarded to the Government of India.

[Here enter No. 1052 I., dated 15th December 1896.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ all Superintending Engineers of Circles.
„ the Superintending Engineer on Special Duty,
Cauvery Completion Estimates.
„ the Examiner, Public Works Accounts.

ENDORSEMENT—No. 1052 I., dated 15th December 1896.

Forwarded.

(By order.)

Joint Secretary to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following paper:—

No. 229 I.

Note by the Chief Engineer for Irrigation.

The accompanying schedule of demands on Imperial funds for expenditure on Irrigation major works during 1897-98 is submitted for the approval of Government and transmission to the Government of India.

2. The grants proposed for 1897-98 compare as shown below with the existing grants and the outlay of the past year:—

	Proposed grants for 1897-98.	Existing grants for 1896-97.	Outlay during 1895-96.
	RS.	RS.	RS.
35. Protective Works—Irrigation	1,81,500	1,89,000	2,26,477
42. Major Works (Working expenses)	15,24,000	14,90,000	13,16,103
49. Capital expenditure not charged to Revenue	12,47,000	8,43,600	13,27,363
Total	29,52,500	25,22,600	28,79,943

3. 35. *Protective Works—Irrigation.*—The grant proposed for next year for the Rushikulya project is sufficient, though it is Rs. 5,500 less than the current year's grant.

4. 42. *Major Works (Working expenses).*—The total grant proposed under this head is Rs. 51,000 more than the current year's grant. The amounts required for next year for the Pennér and Sangam anicuts, the Barúr tank and the Srivaikuntam anicut systems are either nearly equal to, or very slightly in excess of, the existing grants and need no comment. Of the increase of Rs. 15,650 provided for the Góddá-vari delta, Rs. 2,500 are required under extensions and improvements and Rs. 12,373 under maintenance and repairs. The increases are required for building head-sluiques and dams in connection with distributaries, for excavating small branch channels and for carrying out some extra repairs to drains. The decrease in the amount proposed for the Kistna delta is due to the fact that during the current year a large sum has to be spent in repairing the damages caused by unprecedented floods in the month of August. An increase of Rs. 6,000 under extensions and improvements and of Rs. 8,000 under maintenance and repairs to the Kurnool-Cuddapah canal are proposed. The increase under the former is needed for the excavation of channels required for the extension of irrigation, while that under the latter head is absolutely necessary for closing leaks in masonry walls which line long lengths of the upper reaches of

the canal. For the Cauvery delta system the amount proposed exceeds by Rs. 17,800, the current years' grant, which has been found to be quite inadequate to meet all requirements under repairs and to admit of the execution of works which have long been required. Of the provision of Rs. 71,000 for the Periyár project, Rs. 40,000 are required for the payment of the annual rent to the Travancore Durbar under the Periyár lease, the balance being intended for expenditure on the maintenance of the works. In consideration of the larger number of completed works in the Rushikulya project, an increased amount has been provided for their upkeep during next year.

5. 49. *Capital expenditure not charged to Revenue.*—The grant proposed under this head is Rs. 4,01,500 more than the current year's grant, which includes a reserve of Rs. 42,956, which, it is hoped, will be utilized on the construction of lift shutters for the Grand anicut. Out of the sum of Rs. 1,63,000 proposed for the Gódvári delta next year, about Rs. 27,000 are required for expenditure on sanctioned works, and the balance for improvements to main canals, distributaries and drains for which estimates have either already been prepared or are under preparation. The amount proposed for the Kistna delta is considered sufficient. Rs. 1,21,500 have been provided for commencing the improvements to the Kalingaroyen channel, for which an application has just been submitted for extension of sanction for five years from the 31st January 1896. The amount proposed for the Cauvery delta system is required for the execution of sanctioned works and works for which estimates are under preparation by the Superintending Engineer on Special Duty, Cauvery Delta Completion Estimates. The amount proposed for the Periyár project provides for the completion of all works for which estimates have been sanctioned or are under preparation. The amounts applied for for the Pennér and Srivaikuntam anicut systems are required for expenditure on small improvements intended to be carried out to those systems under Open Canal Capital rules.

ШЕРЪК,
11th December 1896.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

SCHEMATIC OF preliminary demands on Imperial Funds for Irrigation Major Works for 1897-98.

Systems.	Original works.										Tools and plant.	Total.		
	Major.				Minor.		Total.	Repairs.	Establishment.					
	Works in progress.		New works.		Total.									
	2	3	4	5		6				7			8	9
	ma.	rs.	ma.	rs.		ma.				rs.			ma.	rs.
35. Construction of Protective Irrigation Works.														
Rushikulya project	..	..	1,30,000	8,500	1,10,000	20,000	1,40,000	..	..	31,353	150	1,81,500		
.. .. .	..	..	63,500	..	73,000	90,648	1,83,648	..	..	33,039	2,216	1,88,000		
43. Major Works (Working Expenses).														
Goddavari delta system	..	..	..	..	..	21,000	21,000	2,44,800	2,44,800	2,34,189	39,011	5,39,000		
.. .. .	..	..	..	..	..	19,000	19,000	2,32,437	2,32,437	2,32,953	38,500	6,23,350		
Kistna	..	..	..	..	..	19,000	19,000	2,40,100	2,40,100	2,38,500	60,997	6,49,000		
.. .. .	..	..	..	..	..	14,000	14,000	6,30,933	6,30,933	4,86,197	88,300	7,38,000		
Ponnér ancient system	..	..	..	..	..	1,103	1,103	10,140	10,140	10,968	6	20,000		
.. .. .	..	..	..	..	..	..	..	64	64	8,241	10,708	19,040		
Bangam	..	..	..	..	..	3,630	3,630	18,116	18,116	16,262	8	37,000		
.. .. .	..	..	..	..	..	4,090	4,090	18,116	18,116	20,871	67	48,960		
Karnool-Cuddapah canal	..	..	..	..	..	12,000	12,000	68,000	68,000	29,270	1,910	1,15,200		
.. .. .	..	..	..	..	..	8,000	8,000	67,000	67,000	21,264	1,936	98,000		
Darar tank project	..	..	..	..	..	1,004	1,004	1,447	1,447	1,936	..	2,400		
.. .. .	..	..	..	..	..	17,000	17,000	30,634	30,634	40,326	1,108	36,000		
Canavery delta system	..	..	..	..	..	13,800	13,800	39,668	39,668	44,461	1,103	18,300		
.. .. .	..	..	..	..	..	1,955	1,955	14,792	14,792	10,311	78	27,000		
Srivaikuntam ancient system	..	..	..	..	..	831	831	19,792	19,792	10,803	78	35,150		
.. .. .	..	..	..	..	..	..	..	65,000	65,000	8,750	260	71,000		
Periyár project	..	..	..	..	..	..	..	30,000	30,000	7,050	1,200	36,300		
.. .. .	..	..	..	..	..	..	..	24,106	24,106	8,694	700	30,600		
Rushikulya project	..	..	..	..	..	73,482	73,482	7,58,761	7,58,761	8,97,702	54,055	15,24,000		
Total	..	..	..	..	..	97,491	97,491	7,63,177	7,63,177	8,96,369	84,043	16,90,000		
40. Capital expenditure not charged to Revenue.														
Goddavari delta system	..	..	20,000	1,03,000	1,23,680	10,000	1,33,680	..	..	97,846	1,334	1,63,000		
.. .. .	..	..	..	..	48,600	20,894	69,494	..	..	14,361	166	86,000		
Kistna	..	..	74,780	1,04,506	2,73,265	74,305	2,51,860	..	..	72,467	2,751	6,07,900		
.. .. .	..	..	1,64,094	1,83,320	3,17,416	1,31,668	4,39,100	..	..	86,163	49,028	6,77,800		
Ponnér ancient system	..	..	..	..	..	6,447	6,447	..	..	1,253	..	6,700		
.. .. .	..	..	..	..	..	..	..	..	..	838	..	8,091		

Schedule of preliminary demands on Imperial Funds for Irrigation Major Works for 1897-98—cont.

4

No. 1051 I., 15TH DECEMBER 1906.

... for 1897-98—cont.

Systems.		Original works.									
		Major.	Total.	Minor.	Total.	Repairs.	Establishment.	Tools and plant.	Total.		
		Works in progress.	New works.								
		2	3	4	5	6	7	8	9	10	
49. Capital expenditures not charged to Revenue—cont.											
Bangam anicut system ..		..	..	..	..	..	..	..	..	..	
Barar tank project ..		..	16,447	16,447	..	..	..	..	..	..	
Kaling-royan channel ..		..	..	..	..	..	..	..	..	..	
Cauvery delta system ..		..	1,383	1,383	..	..	..	..	..	..	
Sriyakkulam anicut system ..		..	1,00,000	1,00,000	..	..	..	..	..	..	
Pottiyar project ..		..	..	..	..	..	..	..	..	..	
Reserve ..		..	..	..	..	..	..	..	..	..	
Total ..		..	..	..	..	..	..	..	..	..	
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(Signed) W. HUGHES,
Chief Engineer for Irrigation.

No. 1051 I., 15th DECEMBER 1896.
PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.
Current No. 11322
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

No 229-I. d. 11. 12. 96 READ the following
Note by the Chief Eng for Irrigation.

The accompanying schedule of demands on Imperial funds for expenditure on Irrigation Major works during 1897-98 is submitted for the approval of Govt. & transmission to the Govt. of India.

2. The grants proposed for 1897-98 compare as shown below with the existing grants & the outlay of the past year:—

Recd 4.40 P.M. 12/11/96

delta is due to the fact that during the current year a large sum has to be spent in repairing the damage caused by unprecedented floods in the month of Augt. An increase of Rs 6000 under extensions & improvements & of Rs 8000 under maintenance & repairs to the Kurnool Cuddapah Canal are proposed. The increase under the former is needed for the excavation of channels required for the extension of irrigation, while that under the latter head is absolutely necessary for closing leaks in masonry walls which line long lengths of the

upper reaches of the canal. For the Convery delta system the amount proposed exceeds by Rs 17,800 the current year's grant, which has been found to be quite inadequate to meet all requirements under repairs & to admit of the execution of works which have long been required. Of the provision of Rs 7,000 for the Periyar project, Rs 4,000 are required for the payment of the annual rent to the Travancore Durbar under the Periyar lease, the balance being intended for expenditure on the maintenance of the works. In consideration

of the larger number
of completed works in
the Rushikulya project,
an increased amount
has been provided
for their upkeep during
next year.

5. 49. Capital Ex-
penditure not charged
to Govt. The grant
proposed under this
head is Rs 4,01,500
more than the current
year's grant, which
includes a reserve
of Rs 42,956 which,
it is hoped, will be
utilised on the con-
struction of lift
matters for the Grand
Ancient. Out of the
sum of Rs 1,63,000 pro-
posed for the Godavari
delta next year, about

Rs 27,000 are required
for expenditure on
sanctioned works & the
balance for improve-
ments to main canals,
distributaries & drains
for which estimates
have either already
been prepared or are
under preparation.
The amount proposed
for the Krishna delta
is considered sufficient.
Rs 1,24,500 have been
provided for com-
mencing the improve-
ments to the Kelingoyan
channel for which
an application has
just been submitted
for extension of sanction
for five years from
the 31st Jan 196. The
amount proposed for
the Anavay delta system
is required for the

execution of sanctioned
works & works for which
estimates are under
preparation by the Supp.
Eng. on special duty,
Canvey delta completion
estimates. The amount
proposed for the Pungu
project provides for
the completion of all
works for which estimates
have been sanctioned
or are under preparation.

The amounts applied
for for the Pennar &
Srivaitkumham Ancient
Systems are required
for expenditure on
small improvements
intended to be carried
out to those systems
under open canal
capital rules.

Order thereon. P. 10578 of 15-12-96.

The schedule of
demands on Imperial

funds for expenditure
on Irrigation Major
works for 1897-98, as
drawn up by the
Chief Eng. for Irrigation,
is approved & will be
forwarded to the
Govt of India.

Indorsement.
P. 10578 of 15-12-96.
Forwarded.

JH
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729 12/12
135-
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MSD 15-12-96
1/11/97

To
The Chief Eng. for I.
All Supp. Eng. on special duty.
C.C. estimates
To J.W.R.

MSD
5/12/96

demands on Imperial

Schedule of preliminary demands on Imperial funds for Irrigation Major works for 1897-98

Systems	Original works							Repairs	Estab- lish- ment	Tools and plant	Total
	Major			Minor	Total						
	works in progress	New works	Total								
35. Construction of Protective Irrigation Works	2	3	4	5	6	7	8	9	10		
Quothikulya project	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	
Demand for 1897-98	130000		130000	20000	150000		33350	150	183500		
Grant for 1896-97	63500	9500	73000	80646	153646		33039	2315	157500		
42. Major works (Working systems)											
Camery delta system		121951	121951		121951		28049		150000		
Grant for 1896-97		37819	37819		37819		8629		46445		
Thraikuntam and system	1500	15248	16748		16748		3852	57	20600		
Grant for 1896-97		1080	1080		1080						
Periyar project	225000		225000		225000		48300	1000	271300		
Grant for 1896-97	130000		130000		130000		27600	90000	67600		
Reserve											
Demand for 1897-98											
Grant for 1896-97					34923		8033		4295		
Total	321940	538704	860644	93842	954486		204927	87587	1247000		
Demand for 1897-98	325476	230405	555881	177503	733384		153536	45720	845500		
Grant for 1896-97											

W. H. H. H.
S. 12-96

W. H. H. H.
Chief Engineer for Irrigation

Schedule of preliminary demands on Imperial funds for Irrigation Major works for 1897-98

Systems	Original works						Repairs	Estab- lishment	Tools and plant	Total
	Major			Minor	Total					
	works in progress	New works	Total							
35. Construction of Protective Irrigation Works	2	3	4	5	6	7	8	9	10	
Rushikulya project	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Demand for 1897-98	130000		130000	20000	150000		33350	150	183500	
Grant for 1896-97	63500	9500	73000	80646	153046		50000	2000	173046	
42. Major works (Working Expenses)										
Godavari delta system										
Demand for 1897-98				21000	21000	244800	234189	39011	539000	
Grant for 1896-97				18500	18500	232427	233923	38500	523350	
Krishna delta system				19000	19000	340100	238503	30397	648000	
Grant for 1896-97				14000	14000	420533	246167	55300	736000	
Penner ament system				-1103	-1103	10140	10968	-5	20000	
Demand for 1897-98				3630	3630	8361	10708	45	19050	
Grant for 1896-97				4020	4020	18116	15262	-8	37000	
Sargam ament system										
Demand for 1897-98				12000	12000	65000	26270	1930	105200	
Grant for 1896-97				0000	0000	57000	21364	1636	86000	
Kurnool-Addapet Canal										
Demand for 1897-98				10000	10000	1447	1053		2500	
Grant for 1896-97				10000	10000	10000	10000		20000	
Barur tank project										
Demand for 1897-98				17000	17000	-30634	18326	1308	36000	
Grant for 1896-97				13500	13500	-38658	44451	-1100	10000	
Gawery delta system				1955	1955	14792	10331	-78	27000	
Demand for 1897-98				531	531	10792	10792	-75	30150	
Grant for 1896-97						65000	5750	250	71000	
Shivaikuntam ament system										
Demand for 1897-98										
Grant for 1896-97										
Periyar project										
Demand for 1897-98										
Grant for 1896-97										
Rushikulya project										
Demand for 1897-98										
Grant for 1896-97										
Total Demand for 1897-98				73482	73482	758761	597702	94055	1524000	
Grant for 1896-97				57491	57491	742177	595000	94055	1410000	
49. Capital expenditure not charged to Revenue										
Godavari delta system										
Demand for 1897-98										
Grant for 1896-97										
Krishna delta system										
Demand for 1897-98										
Grant for 1896-97										
Penner ament system										
Demand for 1897-98										
Grant for 1896-97										
Sargam ament system										
Demand for 1897-98										
Grant for 1896-97										
Barur tank project										
Demand for 1897-98										
Grant for 1896-97										
Kalingarayen channel										
Demand for 1897-98										
Grant for 1896-97										
Gawery delta system										
Demand for 1897-98										
Grant for 1896-97										
Shivaikuntam ament system										
Demand for 1897-98										
Grant for 1896-97										
Periyar project										
Demand for 1897-98										
Grant for 1896-97										
Reserve										
Demand for 1897-98										
Grant for 1896-97										
Total Demand for 1897-98										
Grant for 1896-97										

1008
22
5.12.96

W. Hughes
Chief Engineer for Irrigation

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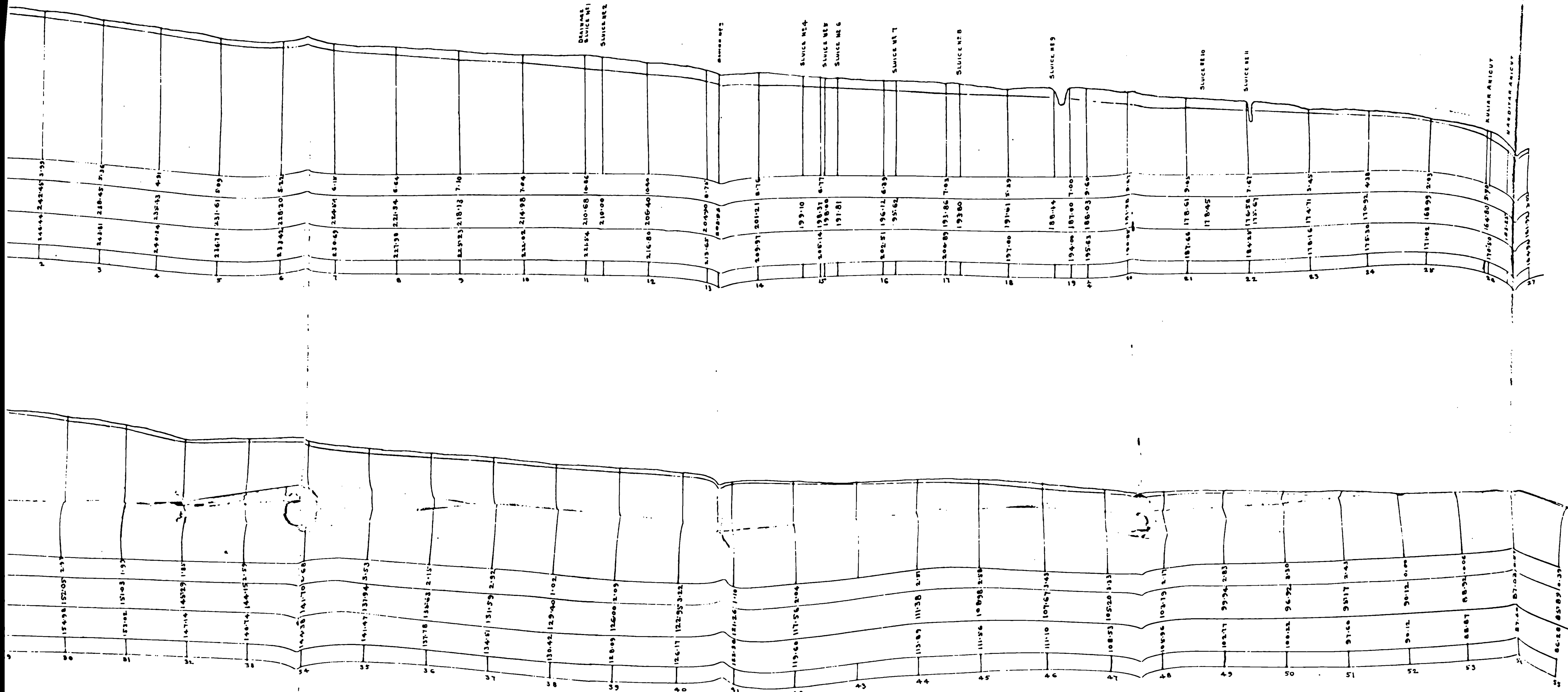
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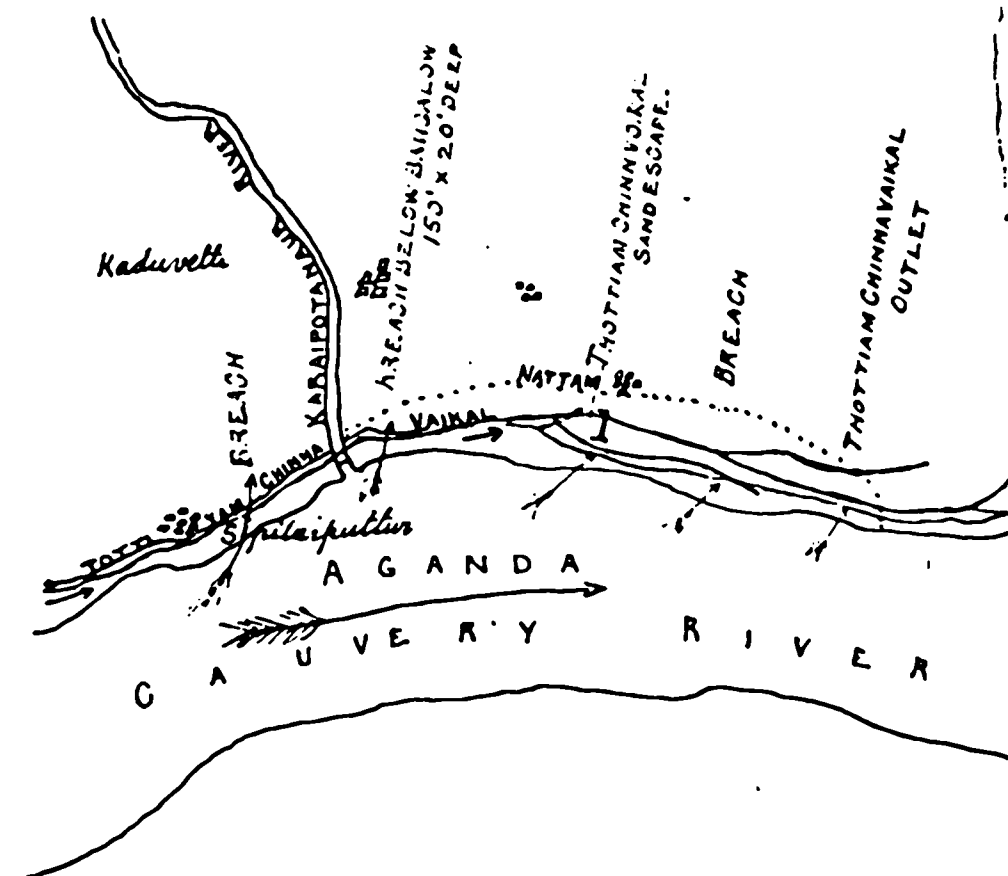
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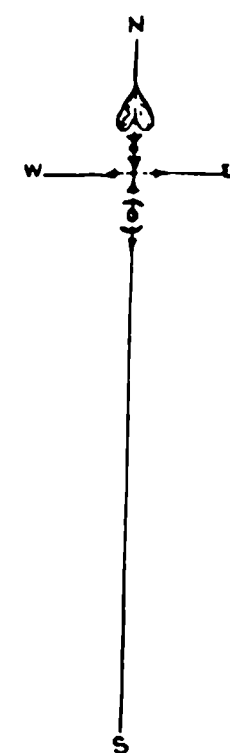
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6th CIRCLE
TRICHINOPOLY DIVISION



NOTE

- 1 = 640 ACRES
- 2 = 580 "
- 3 = 960 "

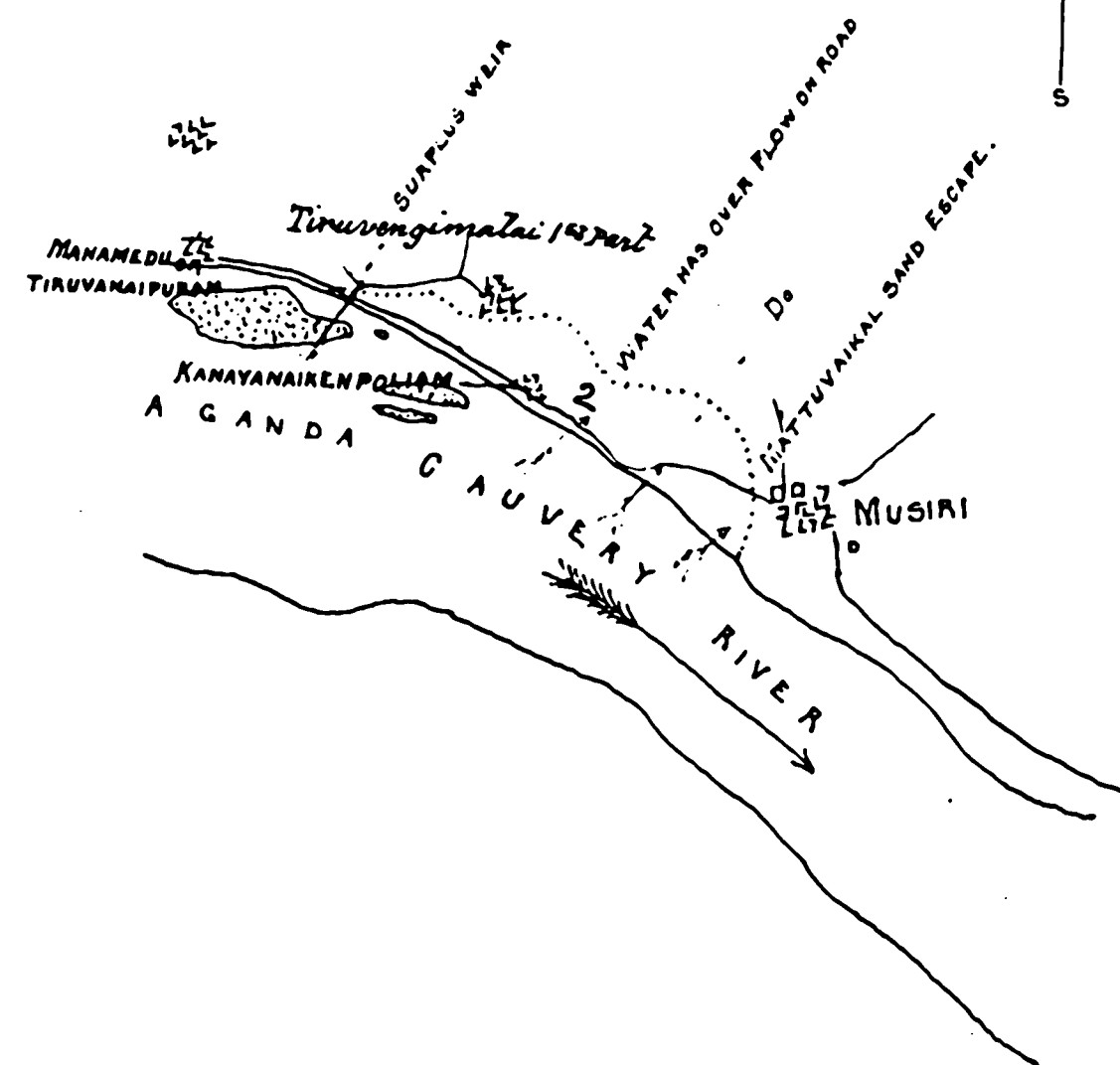
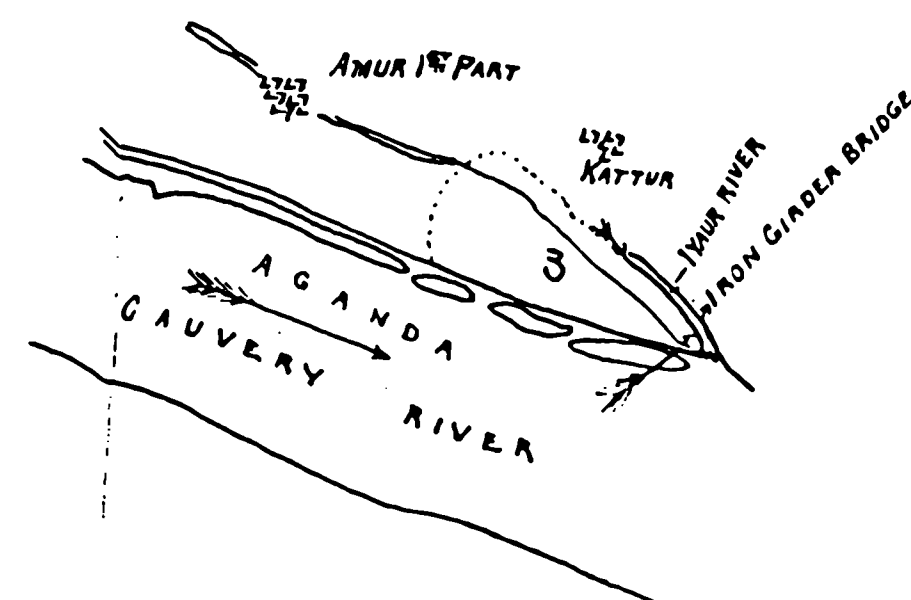


AGANDA CAUVERY LEFT BANK

SHOWING FLOOD DAMAGES

IN JULY 1896.

SCALE 1" = 1 MILE.



(S^r) T. SUBRAMANIAM AIYER
ASSIST. ENGINEER

25-9-96

B. V. M. M. M. LT COL R.E.
SUPER ENGINEER VI CIRCLE.
11/11/96.

(S^r) P. ROSCOE ALLEN.
EX-ENGINEER.
TRICHINOPOLY DIVISION
19-10-96

分



- /SIGNED/ T.B. SANKARA SASTRY
OVERSEER
3-9-96**

/SIGNED/ T SUBRAMANIAM IYER
ASST ENGR
25-9-96.

/SIGNED/ P. ROSCOE ALLEN
EXECUTIVE ENGINEER
TRICHINOPOLY DIVISION

O. V. Kozlitsky LT. COL. & R.E.
ENGINEER / CIRCLE
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