

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 demand. Forwarding Govt: ap- 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

T.C. 10/14

BACK PAPERS.

FURTHER PAPERS.

IRRIGATION.
ACCOUNT.

Government { 1896 } of Madras.
PUBLIC WORKS.

Recd.

Regd.

{ 1896.

Enclosures

Spare copies

G.O., Nos. 1051, 1052 I., 15th December 1896.

DECEMBER.

Schedule of Demands

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.

Signature.)

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	1,83,500	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	8,45,500	13,37,363
Total ..	29,54,500	25,24,500	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. 34,000 more than the current year's grant. The amounts required for next year for the Pennér and Sangam anicuts, the Barúr tank and the Srívaikuntam 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 Góda-vári 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-slucies 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.

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. 1,24,500 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.

СНЕРÂК,
11th December 1896.

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

SCHEDULE of preliminary demands on Imperial Funds for Irrigation Major Works for 1897-98.

[illegible]

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

Systems.	Original works.									
	Major.				Minor.	Total.	Repairs.	Establishment.	Tools and plant.	Total.
	Works in progress.		New works.							
	1	2	3	4	5	6	7	8	9	10
49. Capital expenditure not charged to Revenue—cont.										
Sangan anicut system	..	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
..	..	..	15,447	15,447	..	15,447	..	3,553	..	19,000
Barr tank project	..	..	..	..	..	..	..	..	..	..
..	..	1,382	..	1,382	..	1,382	..	318	..	1,700
Kalingroyen channel	..	..	1,00,000	1,00,000	..	1,00,000	..	23,000	1,500	1,24,500
..	..	..	..	..	..	..	..	..	..	..
Cauvery delta system	..	..	1,21,951	1,21,951	..	1,21,951	..	28,049	..	1,50,000
..	..	..	37,819	37,819	..	37,819	..	8,639	..	46,448
Sriyalkumbam anicut system	..	1,500	15,248	16,748	..	16,748	..	3,852	..	20,000
..	..	..	1,080	1,080	..	1,080	..	248	87	1,415
Periyar project	..	2,25,000	..	2,25,000	..	2,25,000	..	48,300	1,000	2,74,300
..	..	1,30,000	..	1,30,000	..	1,30,000	..	27,600	90,000	67,600
Reserve	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	34,923	34,923	..	8,033	..	42,956
Total	..	3,21,940	5,38,704	8,60,644	93,812	9,54,486	..	2,04,927	87,587	12,47,000
..	..	3,25,476	2,30,405	5,55,881	7,77,503	7,33,384	..	1,58,836	46,720	8,45,500

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

No. 1051 I of 15-12-96
Schedule of demands on Imperial funds
PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.
During 1897-98, Current No. 11322
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

No. 229-I. of 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:—

This must be issued in trip to the Govt. today if possible.

Recd 4.40 P.M. 12/12/96.

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 Surnool 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 Canvey 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 71,000 for the Periyar project, Rs 40,000 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 Rushikulga project,
an increased amount
has been provided
for their upkeep during
next year.

5. 49. Capital Ex-
penditure not charged
to Rev. 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
Ancut. 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 Kelingarayana
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 Canvey 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 Periyar
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 &
Srivaitkumtham Ancient
Systems are required
for expenditure on
small improvements
intended to be carried
out to those systems
under open canal
capital rules.

Order thereon No. 10579 of 15-12-96.

The schedule of
demands on Imperial

3
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.

9-24
12-12-96
Indorsement.
No. 10529 of 15-12-96.
Forwarded.

JH
5/12
96

W.H.
10/12

Note
not received
from office
18/1/97

720
12/12
C.C.
Hoyer

MSP 15-12-96-22/1/97
1/1/97

Note
The schedule is due with
the Govt of India on the 15
inst. The P.M.G. should
therefore be printed & issued
immediately.

22/1/97
To
The Chief Eng. for I.
All Supp. Eng. on special duty.
C.C. estimates
To J.W.R.
ACB
5/12/96

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

W. Hughes.
Chief Engineer for Irrigation

108
92
5-12-96

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

Systems	Original works										Total
	Major			Minor	Total	Repairs	Estab-lish-ment	Tools and plant			
	works in progress	New works	Total								
35. Construction of Protective Irrigation Works											
Rushikulya project	2	3	4	5	6	7	8	9	10		
Demand for 1897-98	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	
Grant for 1896-97	130,000	9,500	1,30,000	20,000	1,50,000		33,350	150	1,83,500		
	63,500		73,000	80,646	1,53,646		33,039	2,315	1,89,000		
42. Major works (Working expenses)											
Godavari delta system											
Demand for 1897-98				21,000	21,000	24,480	23,418	39,011	53,900		
Grant for 1896-97				18,500	18,500	23,242	23,392	38,500	52,335		
Kistna delta system				19,000	19,000	34,010	23,850	50,397	64,800		
Grant for 1896-97				14,000	14,000	42,053	24,616	55,300	73,600		
Penner ancient system				-1,103	-1,103	10,140	10,968	-5	20,000		
Demand for 1897-98				-64	-64	8,361	10,708	45	19,050		
Grant for 1896-97				3,630	3,630	18,116	15,262	-8	37,000		
Sangam ancient system				4,020	4,020		20,871	-57	42,950		
Demand for 1897-98				12,000	12,000	65,000	26,270	19,300	1,05,200		
Grant for 1896-97				6,000	6,000	57,000	21,364	16,360	86,000		
Kurnool-Cuddapah Canal						14,47	10,53		2,500		
Demand for 1897-98				10,04	10,04	1,500	12,96		38,000		
Grant for 1896-97				17,000	17,000	-30,634	48,326	1,308	36,000		
Cawery delta system				13,500	13,500	-38,658	44,461	-1,103	18,200		
Demand for 1897-98				1,955	1,955	14,792	10,331	-78	27,000		
Grant for 1896-97				531	531	18,792	10,905	-78	30,150		
Trivaituntam ancient system						65,000	5,750	250	71,000		
Demand for 1897-98											
Grant for 1896-97						30,000	7,050	1,250	38,300		
Periyar project											
Demand for 1897-98						24,106	5,694	700	30,500		
Grant for 1896-97											
Rushikulya project											
Demand for 1897-98				73,482	73,482	7,587	5,977	94,055	1,50,000		
Grant for 1896-97				57,491	57,491	7,421	5,953	94,913	1,49,000		
49. Capital expenditure not charged to Revenue											
Godavari delta system											
Demand for 1897-98											
Grant for 1896-97											
Kistna delta system											
Demand for 1897-98											
Grant for 1896-97											
Penner ancient system											
Demand for 1897-98											
Grant for 1896-97											
Sangam ancient 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											
Cawery delta system											
Demand for 1897-98											
Grant for 1896-97											
Trivaituntam ancient 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

— COLEROON LEFT BANK —

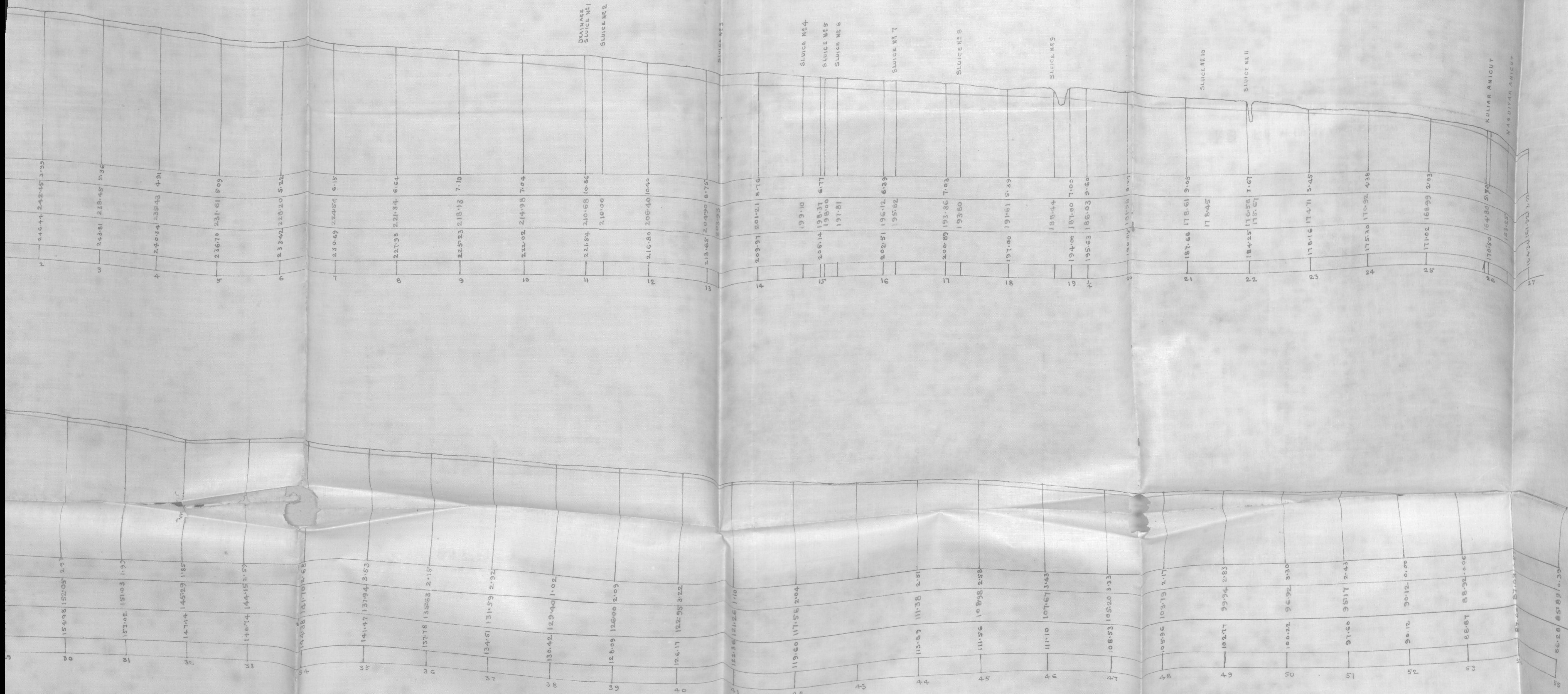
LEVELS OF BANK WITH F.L. OF 1896

FROM

— UPPER TO LOWER ANICUT —

SCALE-HORIZONTAL 1 MILE = 1 INCH

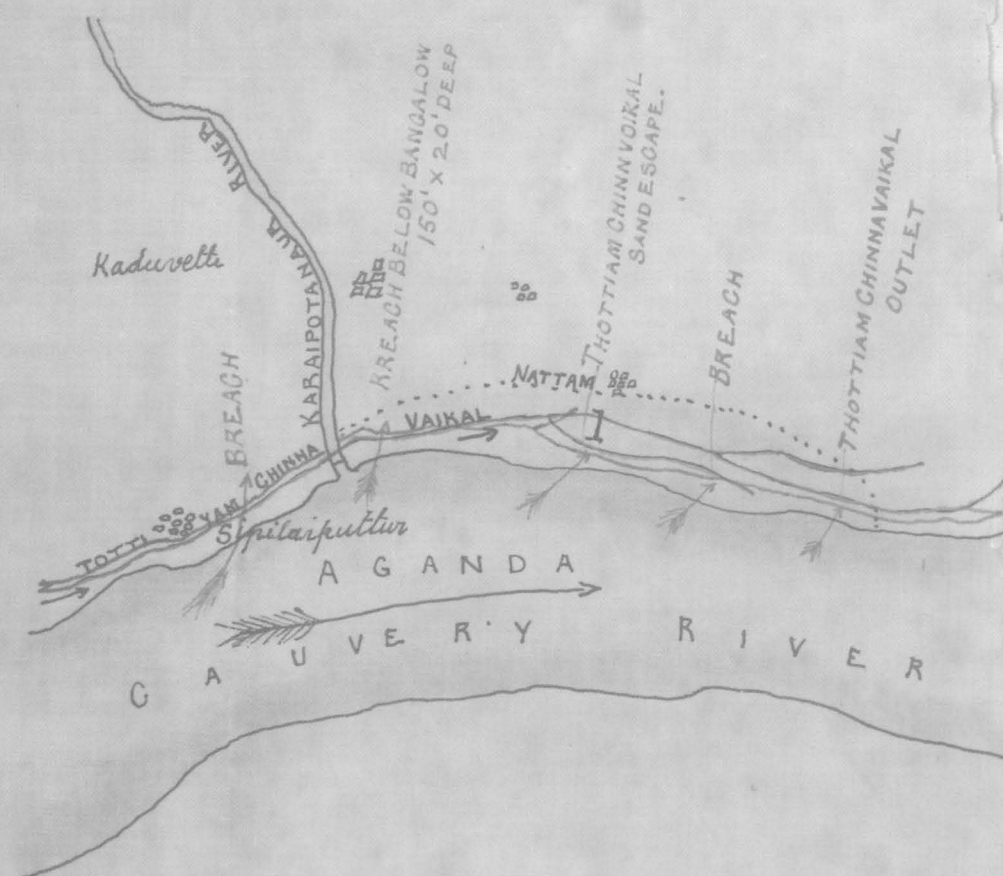
— VERTICAL $\frac{1}{600}$ OR 50 FT TO ONE INCH



N.B. F.L. AT UPPER ANICUT BELOW

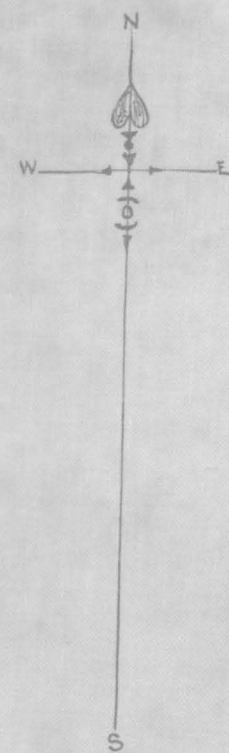
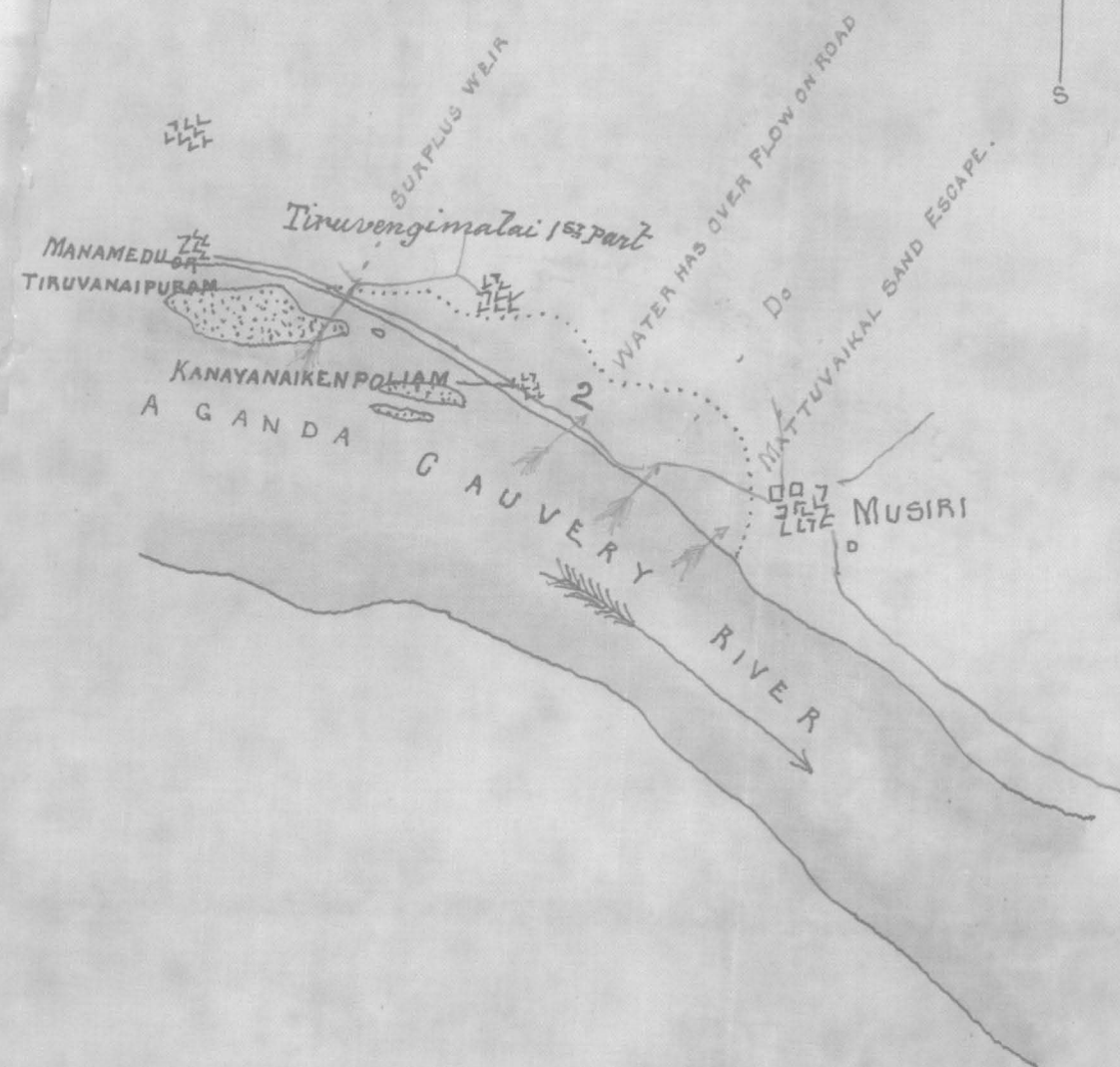
6" CIRCLE

TRICHINOPOLY DIVISION



NOTE

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

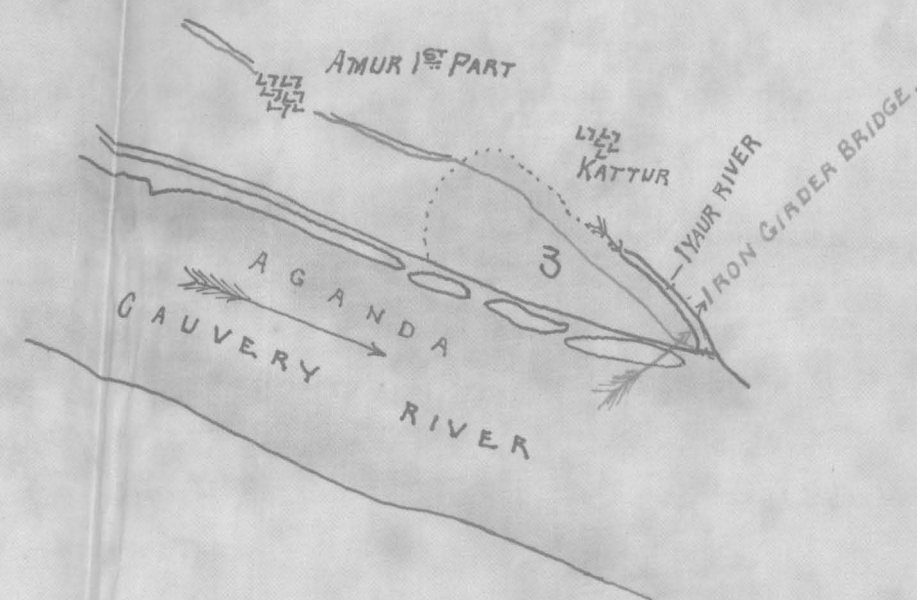


AGANDA CAUVERY LEFT BANK

SHOWING FLOOD DAMAGES

IN JULY 1896.

SCALE 1" = 1 MILE.



(S^d) T. SUBRAMANIAM AIYER

ASSIST. ENGINEER

25-9-96

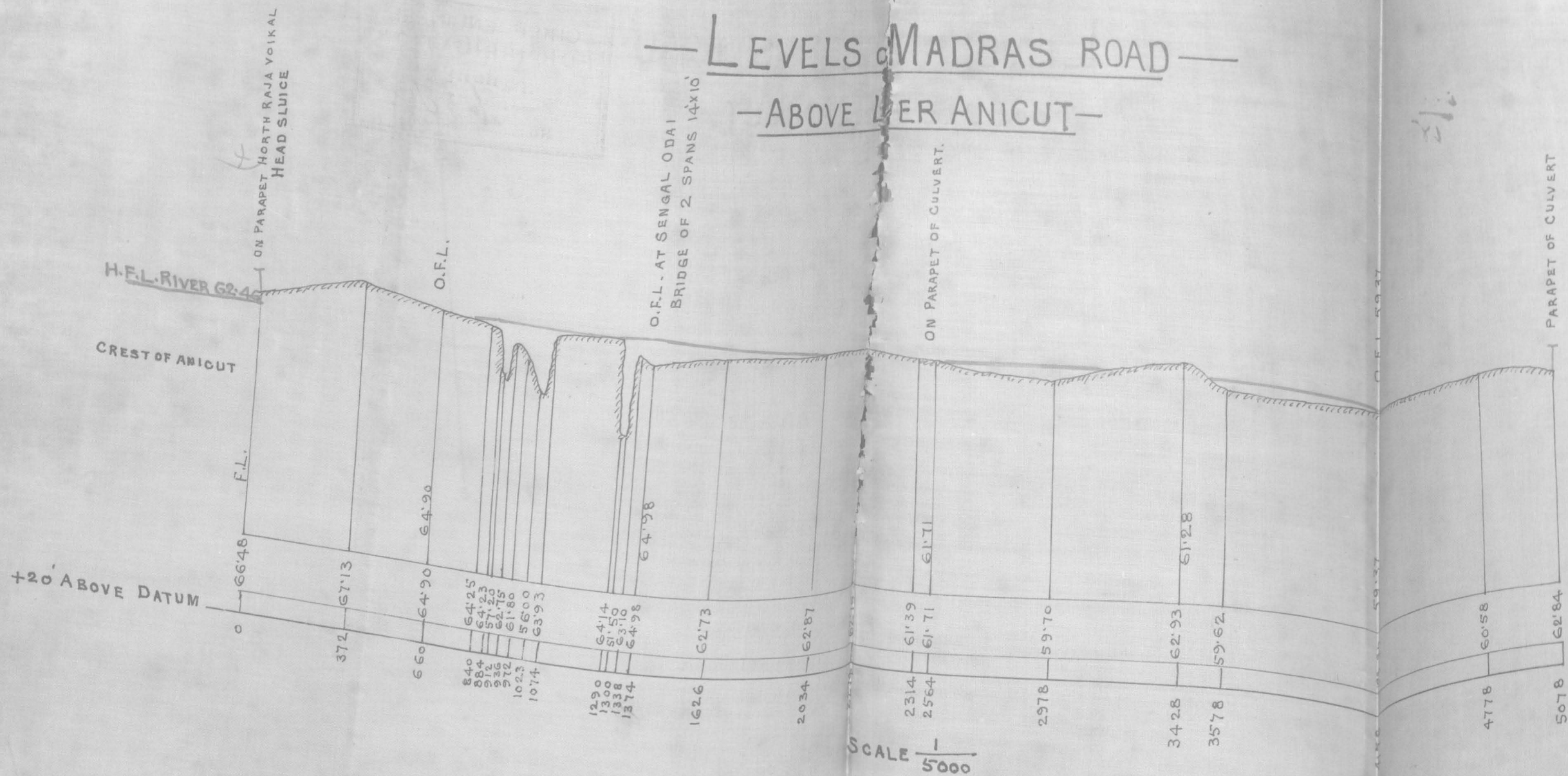
O. V. M. dilly L^d COL. R. E.
SUP^d ENGINEER VI CIRCLE.
11.11.96.

(S^d) P. ROSCOE ALLEN.

EX-ENGINEER.

TRICHINOPOLY DIVISION
19-10-96

MANAM
TIRUVAN



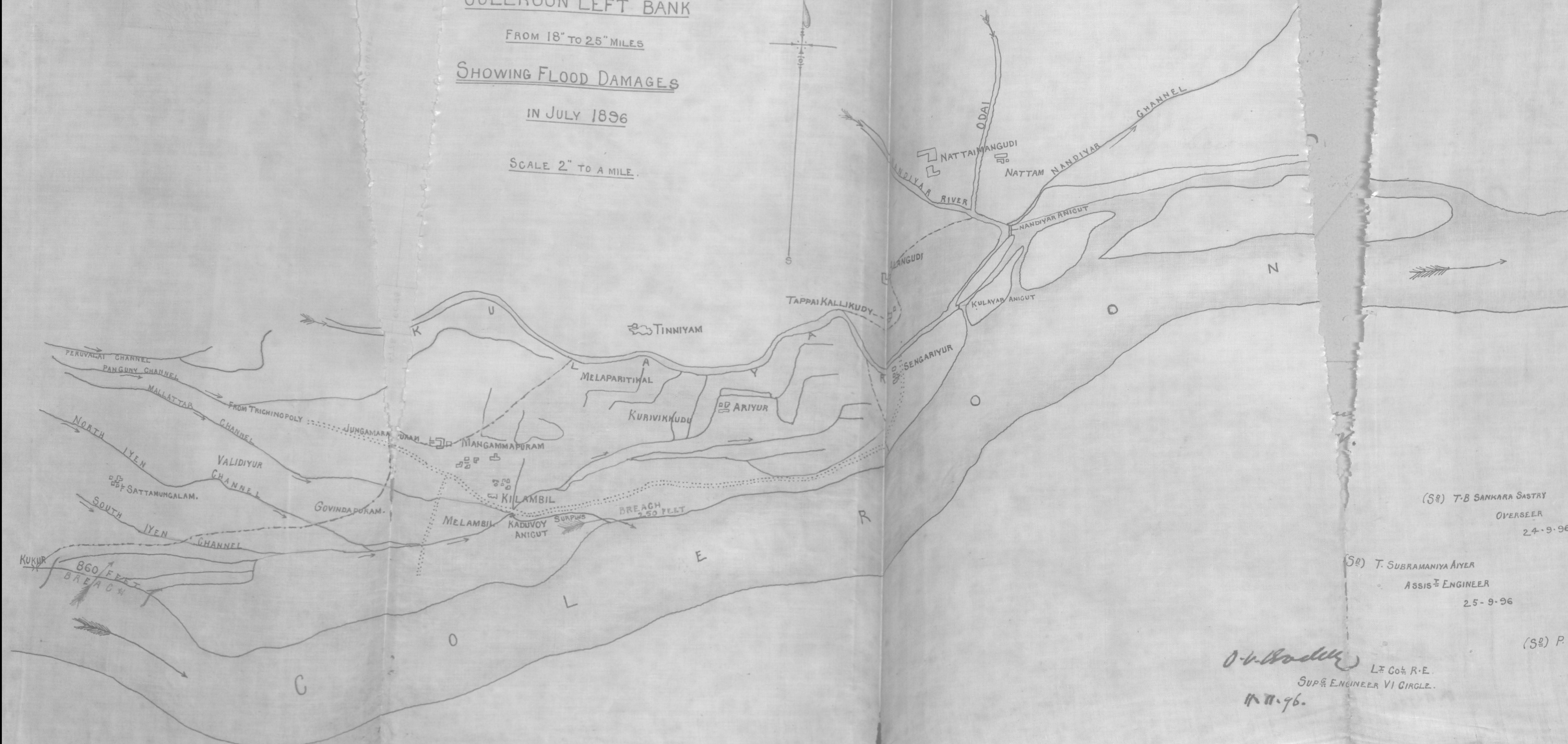
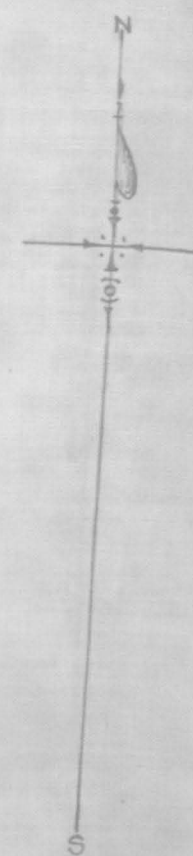
COLEROON LEFT BANK

FROM 18" TO 25" MILES

SHOWING FLOOD DAMAGES

IN JULY 1896

SCALE 2" TO A MILE.



(Sd) T. B. SANKARA SASTRY
OVERSEER
24.9.96

(Sd) T. SUBRAMANIAM AIYER
ASSIST. ENGINEER
25.9.96

(Sd) P. ROSCOE ALLEN.
EX-ENGINEER.
TRICHINOPOLY DIVISION.
19.10.96

O. V. Madhav
Lt Col R.E.
SUPER. ENGINEER VI CIRCLE.
11.11.96.