

✓ G.O., No.

8712 9
8723

DATED

7 Oct 89

[Despatch Abstract.]

Return of Open Capital sanctions for
189

Ordered that the — for 1898-99,
submitted by the Chief Engineer for Bengal,
be forwarded to the Govt of India

Return of Open Capital sanctions -

Forwarding the — for 1898-99, submitted
by the Chief Engr for Bengal.

Forwarding the — for 1898-99, submitted by the Chief Engineer for Irrigation.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper:—

Return of Open Capital Sanctions for 1898-99.

Sanctioning authority.	Name of work.	Sanctioned estimate including establishment and tools and plant charges.			Date of expiry of sanction.	Amount for which work is completed.	Date on which work is completed and sanction closed.	Remarks.
		Class II.		Total.				
		Class I.	Class II.					
1	2	3	4	5	6	7	8	9
	GODAVARI DELTA SYSTEM. WORKS COMPLETED. <i>Central Section.</i> Vridha Gowtami Drain.	RS.	RS.	RS.		RS.		
P.M.G., No. 649 I., dated 9th August 1896.	1. Diversion of Vridha Gowtami drain at Mettala-lanka.	5,310	..	5,310	31st March 1899 ..	5,111	30th Nov. 1898.	
P.M.Gs., No. 14 I., dated 5th January 1897, and No. 846 I., dated 31st October 1898.	2. Diversion of Bank canal at Godilanka set .. Bank Canal.	..	1,718	1,718	31st March 1899 ..	1,698	30th June 1898.	
P.M.Gs., No. 464 I., dated 29th May 1896, and No. 168 I., dated 18th February 1899.	3. Excavating proposed Nos. 1 and 2, branches of Rameswaram channel. <i>Western Section.</i> Atili Canal.	..	5,994	5,994	31st March 1898 ..	5,994	31st March 1899 ..	In P.M.G., No. 738 I., dated 23rd September 1898, this work was shown as completed at a cost of Rs. 5,855. A further expenditure of Rs. 139 having been incurred during 1898-99 and passed in P.M.G., No. 168 I., dated 18th February 1899, this item has been included in this return.
Government of India letter No. 571 I., dated 12th October 1898, printed with P.M.G., No. 833 I., dated 27th October 1898.	4. Constructing a combined drainage outfall sluice, aqueduct and canal surplus at 42½ miles of the canal. <i>Central Section.</i> Bank Canal.	23,000	..	23,000	31st March 1900 ..	..		
P.M.G., No. 109 I., dated 8th February 1898.	5. Excavating the Sivakodu side channel for left bank of the canal. Gunnaram Canal.	2,570	..	2,570	31st March 1900 ..	..		
Government of India No. 72 I., dated 22nd April 1898, printed with P.M.G., No. 391 I., dated 12th May 1898, and P.M.G., No. 820 I., dated 25th October 1898.	6. Constructing cross drainage works .. <i>Western Section.</i> Ellore Canal.	25,668	..	25,668	31st March 1900 ..	..		

	1,05,500	31st March 1900	..	..	..
Yenamaduru Drain.					
7. Excavating a short cut on the Yenamaduru drain to Naidupalem yoru.	1,05,500	31st March 1900	..	..	..
WORKS SANCTIONED BUT NOT COMMENCED.					
Central Section.					
Gunuram Canal.					
8. Constructing an undertunnel at 4 miles 6 furlongs and 538 feet of Kadali channel.	3,940	31st March 1900	..	..	..
WORKS REQUIRING RENEWAL OF SANCTION.					
Eastern Section.					
Head Works.					
9. Fitting falling shutters on the crest of the Gôdâvari anicut.	2,17,000	31st March 1899	..	..	..
Cocanada Canal.					
10. Excavating Muramunda channel from 4 miles 7 furlongs and 552 feet of Cocanada canal.	5,460	31st March 1899	..	..	..
Western Section.					
Bank Canal.					
11. Excavating Atsanta minor branch channel from 5 miles 7 furlongs and 460 feet of Atsanta channel.	1,960	31st March 1899	..	..	..
12. Excavating Pedamalla channel from 28 miles 60 chains.	2,860	31st March 1899	..	..	..
KISTNA DELTA SYSTEM.					
WORKS COMPLETED.					
Western Section.					
13. Compensation for land required for the Bâpâta channel, East and West branch channels and distributaries.	4,000	31st March 1899	..	3,799	31st March 1899.
WORKS SANCTIONED BUT NOT COMMENCED.					
Western Section.					
14. Excavating Royakampad affluent ..	10,600	31st March 1900	..	..	..
15. Excavating Bâpâta tank, East and West drains.	6,000	31st March 1900	..	..	..

Extension of sanction will be applied for separately.

Sanctioning authority.	Name of work.	Sanctioned estimate including establishment and tools and plant charges.			Date of expiry of sanction.	Amount for which work is completed.	Date on which work is completed and sanction closed.	Remarks.
		Class I.	Class II.	Total.				
1	2	3	4	5	6	7	8	9
	KISTNA DELTA SYSTEM—cont. WORKS REQUIRING RENEWAL OF SANCTION. <i>Eastern Section.</i>	RS.	RS.	RS.				
P.M.G., No. 665 I., dated 3rd September 1898.	16. Converting Kesaravalli old disused lock into an escape at 10 miles 7 furlongs.	1,970	..	1,970	31st March 1899 ..	..	..	Extension of sanction will be applied for separately.
P.M.G., No. 613 I., dated 3rd August 1896, and No. 360 I., dated 28th April 1898.	<i>Panner Ancient System.</i> Jaffer Saib's Canal. 17. Diversion of Kudithipalam channel ..	6,639	..	6,639	31st March 1897 ..	6,639	31st March 1899 ..	This work was completed and accounts closed in 1896-97 (<i>vide</i> item No. 27 of the statement printed with G.O., No. 790 I., dated 30th August 1897), but as a revised estimate amounting to Rs. 611 for land compensation already paid for, was sanctioned in 1898-99, it has been included in this return.
Government of India No. 270 I., printed with P.M.G., No. 1027 I., dated 26th November 1895. Government of India No. 297 I., dated 13th November 1897, printed with P.M.G., No. 1039 I., dated 23rd November 1895. Government of India No. 669 C.W.I., dated 8th November 1898, printed with P.M.G., No. 905 I., dated 19th November 1898; and Government of India No. 487 C.W.I., dated 29th May 1899, printed with P.M.G., No. 507 I., dated 21st June 1899.	18. Schedule of incomplete works ..	43,825	8,240	51,865	31st March 1899 ..	50,768	31st March 1899 ..	The outlay entered in column 7 includes Rs. 92 shown in the completion report submitted by the Superintending Engineer, II Circle, as liabilities to be paid.
P.M.G., No. 927 I., dated 19th October 1897.	19. Improvements to Kanigiri reservoir ..	..	11,100	11,100	31st March 1890 ..	824	31st March 1890 ..	Work was ordered to be closed— <i>vide</i> G.O., No. 450 I., dated 13th June 1898 (copy attached).
P.M.G., No. 368 I., dated 26th April 1895, and No. 535 I., dated 26th June 1899.	WORKS IN PROGRESS. 20. Varni branch channel, No. 2 Eastern channel.	..	2,590	2,590	31st March 1900 ..	..	..	

P.M.Gs., No. 429 I., dated 20th May 1895, and No. 535 I., dated 26th June 1899. Government of India No. 77 I., dated 13th April 1896, printed with P.M.G., No. 407 I., dated 9th May 1896.	21. Improvements to the drainage scheme for Dampur tank bed. 22. Diverting the surplus water of the Kanigiri reservoir into the Pyderu river.	..	6,153	6,153	31st March 1900 ..	..		This work was shown as completed in the return for 1897-98— <i>vide</i> G.O., No. 738 I., dated 23rd September 1898. A revised estimate for compensation for land having been sanctioned in G.O., No. 535 I., dated 26th June 1899, the work has been shown in this return.
P.M.G., No. 280 I., dated 18th March 1899.	WORKS SANCTIONED BUT NOT COMMENCED. 23. Footbridges across Eastern channel at 7 miles 2 furlongs for Gundavaram donka and at 10 miles 2 furlongs for Kodavalar donka.	3,240	..	3,240	31st March 1900 ..	..		
P.M.Gs., No. 937 I., dated 10th November 1896, and No. 736 I., dated 22nd Sept. 1898. P.M.Gs., No. 667 I., dated 11th August 1896, and No. 736 I., dated 22nd September 1898. P.M.Gs., No. 6 I., dated 3rd June 1896, and No. 736 I., dated 22nd September 1898. P.M.Gs., No. 909 I., dated 1st November 1895, No. 793 I., dated 31st August 1897, No. 285 I., dated 2nd April 1898, and No. 170 I., dated 18th February 1899.	CAUVERY DELTA SYSTEM. WORKS COMPLETED. 24. Providing screw-gearing shutters to head sluices of north and south Rajan channels. 25. Improvements to Santhanavari channel, an offtake of the Vettar. 26. Enlarging the Keeranur dam in the Nundalar.	..	2,08,000	2,08,000	31st March 1900 ..	..		
P.M.Gs., No. 599 I., dated 31st July 1895, No. 644 I., dated 12th July 1897, and No. 736 I., dated 22nd Sept. 1898. P.M.Gs., No. 844 I., dated 20th September 1897, and No. 736 I., dated 22nd Sept. 1898. P.M.G., No. 312 I., dated 23rd March 1897. P.M.Gs., No. 485 I., dated 15th June 1895, No. 973 I., dated 31st Aug. 1897, and No. 736 I., dated 22nd Sept. 1898. Government of India No. 259 I., dated 23rd October 1896, printed with P.M.G., No. 921 I., dated 2nd November 1895.	27. Constructing a drainage sluice for Nikkunan drainage channel and footbridge at the infall of the Viikramanar drainage into the Vennar. 28. Improvements to Maraneri Iynar tank .. 29. Scientific instruments and office furniture for the use of the special establishment connected with the Cauvery delta system. 30. Improving the Murukarai dam across the Punguni channel. 31. Providing an experimental pair of shutters to replace the body wall in arch No. 8 from right south branch, Upper Coleroon ancient. 32. Constructing a regulator of nine vents across the Vettar just below the offtake of the Odemboghayar.	3,080	..	3,080	31st March 1899 ..	2,680	30th June 1898.	This work was shown as completed for Rs. 3,708 in the return for 1897-98— <i>vide</i> G.O., No. 738 I., dated 23rd September 1898. An excess outlay of Rs. 142 incurred on the work having been sanctioned in 1898-99 (G.O., No. 170 I., dated 18th February 1899), it has been included in this return.
Government of India No. 126 I., dated 1st May 1897, printed with P.M.G., No. 500 I., dated 28th May 1897.	WORKS IN PROGRESS. 33. Improvements to the Upper Coleroon ancient.	6,57,000	..	6,57,000	31st March 1900 ..	..	..	Estimate closed, the experimental shutters having proved a failure. Though this work was shown as completed in G.O., No. 738 I., dated 23rd September 1898, for Rs. 30,519, a sum of Rs. 73 was credited to it in the accounts for 1898-99; hence it has been shown in this return.

Sanctioning authority.	Name of work.	Sanctioned estimate including establishment and tools and plant charges.			Date of expiry of sanction.	Amount for which work is completed.	Date on which work is completed and sanction closed.	Remarks.
		Class I.	Class II.	Total.				
		3	4	5		7	8	
1	2	3			6	7	8	9
	CAUVERY DELTA SYSTEM—cont.							
	WORKS IN PROGRESS—cont.							
P.M.G., No. 43 I., dated 18th January 1898.	34. Constructing sheds for lascars and stores for the Vettar regulator at Enkam.	Rs. 1,750	Rs. ..	Rs. 1,750	31st March 1900 ..	..	..	Extension of sanction will be applied for separately.
P.M.G., No. 856 I., dated 1st November 1898.	35. Reconstructing the Toludur drainage syphon across the Sholavadiar channel.	1,780	..	1,780	31st March 1900 ..	..	..	
P.M.Gs., Nos. 853 I., dated 7th November 1894, No. 873 I., dated 24th October 1896, and No. 736 I., dated 22nd September 1898.	36. Reconstructing old dam across the Iyavianur.	4,731	..	4,731	31st March 1900 ..	..	..	
Government of India No. 113 I., dated 12th April 1897, printed with P.M.G., No. 443 I., dated 11th May 1897, and No. 593 I., dated 30th June 1897.	37. Fitting lift shutters to the Grand Anicut ..	1,29,200	..	1,29,200	31st March 1899 ..	..	..	
P.M.Gs., No. 1086 I., dated 23rd December 1896, and No. 443 I., dated 8th June 1898.	38. Improving Kali voikal, an offtake of the Vickramarar.	3,100	..	3,100	31st March 1899 ..	..	..	
P.M.G., No. 730 I., dated 9th August 1897.	39. Constructing a rest-house with out-houses at Peralam.	3,050	..	3,050	31st March 1899 ..	..	..	
P.M.G., No. 454 I., dated 14th May 1897.	40. Constructing a masonry regulating dam across Foraivoikal.	2,900	..	2,900	31st March 1899 ..	..	..	
P.M.G., No. 990 I., dated 10th November 1897.	41. Constructing a regulating dam across the Solasudamianar.	1,510	..	1,510	31st March 1899 ..	..	..	
P.M.G., No. 919 I., dated 3rd November 1896.	42. Improving Mela, perumalai dam across Marakkarayar and providing a new head to Melaperumalai channel.	6,120	..	6,120	31st March 1899 ..	..	..	
P.M.G., No. 294 I., dated 6th April 1898.	43. Scientific instruments for the use of special establishment of the Cauvery delta system.	3,420	..	3,420	31st March 1899 ..	..	..	
	WORKS SANCTIONED BUT NOT COMMENCED.							
P.M.Gs., No. 77 I., dated 20th January 1897 and No. 736 I., dated 22nd September 1898.	44. Constructing quarters for Superintendent and lascars at Sellore anicut across the Vettar.	1,780	..	1,780	31st March 1900 ..	..	..	

P.M.G., No. 1102 I., dated 9th December 1897.	45. Improvements to Kangayan channel ..	5,820	..	5,820	31st March 1900 ..	..	..	
Government of India No. 445 C.W. I., dated 30th August 1898, printed with P.M.G., No. 715 I., dated 17th September 1898.	46. Constructing regulators across the Puthaur-Velappaur, regulators across the Puthaur-Solasudamanyar, and regulator and scouring sluice at the head of the Keerthi-manaur.	51,800	..	51,800	31st March 1901 ..	..	..	
	SRIVAUKUNTAM ANICUT SYSTEM.							
	WORKS COMPLETED.							
P.M.G., No. 650 I., dated 12th August 1895, and No. 736 I., dated 22nd September 1898.	47. Improving Palayakoyal tank ..	3,200	..	3,200	31st March 1899 ..	3,200	31st May 1898.	
	WORKS IN PROGRESS.							
P.M.G., No. 852 I., dated 22nd October 1896, and No. 736 I., dated 22nd September 1898.	48. Forming a new bank in the bed of the Korampalayam tank.	1,370	..	1,370	31st March 1900 ..	..	..	
P.M.G., No. 415 I., dated 21st May 1898.	49. Providing screw-gearing shutters to the scouring sluices in the Srivaikuntam anicut.	11,100	..	11,100	31st March 1900 ..	..	..	
	PERIYAR PROJECT.							
	WORKS IN PROGRESS.							
P.M.G., No. 586 I., dated 29th July 1898.	50. Excavating the tail end channel of Pappagudi offtake and constructing masonry works in the 9th Branch channel.	..	10,630	10,630	31st March 1900 ..	..	..	
Do.	51. Distributary and field channels from left sluice of drop No. 14 in the 9th Branch channel.	..	4,700	4,700	31st March 1900 ..	..	..	
Do.	52. Excavating XI and XI-A distributary from 10th mile of 12th Branch channel.	..	10,650	10,650	31st March 1900 ..	..	..	
P.M.G., No. 836 I., dated 28th October 1898.	53. Constructing a bridge at 5 miles 1 furlong of the Periyar main channel, 1st reach.	2,860	..	2,860	31st March 1900 ..	..	..	
P.M.G., No. 876 I., dated 10th November 1898.	54. Excavating distributary and field channel from Thadaneri tank under the 1st Branch channel.	..	2,160	2,160	31st March 1900 ..	..	..	
P.M.G., No. 179 I., dated 20th February 1899.	55. Banking the Thandalai offtake through the Thandalai tank, lowering weirs and constructing irrigation works.	..	6,100	6,100	31st March 1900 ..	..	..	
P.M.G., No. 188 I., dated 22nd February 1899.	56. Distributary channel from 6 miles 4 furlongs and 80 feet in Chumambu offtake to Keeranur tank, 10th Branch channel.	..	8,650	8,650	31st March 1900 ..	..	..	
P.M.G., No. 207 I., dated 28th February 1899.	57. Excavating tail end of 4th Branch channel..	..	2,920	2,920	31st March 1900 ..	..	..	
P.M.G., No. 284 I., dated 18th March 1899.	58. Excavating the extension of Tiruppalai offtake of 4th Branch channel.	..	5,420	5,420	31st March 1900 ..	..	..	
P.M.G., No. 299 I., dated 24th March 1899.	59. Excavating a sub-distributary from the 9th distributary of the 12th Branch channel.	..	4,220	4,220	31st March 1900 ..	..	..	
P.M.Gs., No. 1002 I., dated 12th November 1897, and No. 533 I., dated 26th June 1899.	60. Regrading 8th Branch channel and constructing cross drainage works in the same.	..	7,130	7,130	31st March 1900 ..	..	..	

Return of Open Capital Sanctions for 1898-99—cont.

Sanctioning authority.	Name of work.	Sanctioned estimate including establishment and tools and plant charges.			Date of expiry of sanction.	Amount for which work is completed.	Date on which work is completed and sanction closed.	Remarks.
		Class I.	Class II.	Total.				
1	2	3	4	5	6	7	8	9
	PERIYAR PROJECT—cont.	RS.	RS.	RS.				
	WORKS REQUIRING RENEWAL OF SANCTION.							
P.M.G., No. 361 I., dated 13th April 1897, and No. 788 I., dated 26th August 1897.	61. 12th Branch channel No. 3 distributary from the left sluice of drop No. 5.	..	3,600	3,600	31st March 1899 ..	..	..	Extension of sanction will be applied for separately.
P.M.G., No. 361 I., dated 13th April 1897.	62. 12th Branch channel No. 4 distributary from the right sluice of drop No. 6, at 2 miles 140 feet.	..	6,200	6,200	31st March 1899 ..	..	..	
Do.	63. 12th Branch channel No. 7 distributary from proposed head sluice at 5 miles and 4,100 feet.	..	3,910	3,910	31st March 1899 ..	..	..	
P.M.G., No. 397 I., dated 27th April 1897.	64. Excavating distributary and field channels from the right sluice of drop No. 14 in the 9th Branch channel.	..	1,760	1,760	31st March 1899 ..	..	..	
P.M.G., No. 796 I., dated 1st September 1897.	65. Excavating No. 8 distributary taking off at 7 miles 3,440 feet on the left bank of the 12th Branch channel.	..	9,300	9,300	31st March 1899 ..	..	..	
P.M.G., No. 842 I., dated 20th September 1897.	66. Constructing cross drainage works in the 3rd Branch channel of the Periyar main channel.	3,000	..	3,000	31st March 1899 ..	..	..	
P.M.G., No. 887 I., dated 7th October 1897.	67. Excavating 10th distributary channel at 8 miles 5,160 feet of the 12th Branch channel.	..	5,700	5,700	31st March 1899 ..	..	..	
P.M.G., No. 900 I., dated 9th October 1897.	68. Excavating 9th distributary channel and its masonry works taking off at the 8th mile on the right bank of the 12th branch channel.	..	24,300	24,300	31st March 1899 ..	..	..	
P.M.G., No. 910 I., dated 14th October 1897.	69. Excavating distributary channel from the left sluice of drop No. 8, Kunnathore off-take, in the 9th Branch channel.	..	2,270	2,270	31st March 1899 ..	..	..	
P.M.G., No. 942 I., dated 21st October 1897.	70. Constructing an irrigation sluice at 3 miles 8 furlongs and excavating distributary and field channels from the same in the 9th Branch channel.	..	1,930	1,930	31st March 1899 ..	..	..	
P.M.G., No. 994 I., dated 10th November 1897.	71. Excavating field channels from the proposed pipe and masonry sluices in the Kunnathore off-take of the 9th Branch channel.	..	1,450	1,450	31st March 1899 ..	..	..	
P.M.G., No. 1013 I., dated 13th November 1897.	72. Excavating distributary taking off the sluices on the right bank of the Periyar main channel at 22nd mile in the 6th Reach.	..	3,600	3,600	31st March 1899 ..	..	..	

P.M.G., No. 1104 I., dated 9th December 1897.	73. Constructing a sluice and distributary channel at 30 miles 6 furlongs 100 feet in the 11th reach.	..	7,000	7,000	31st March 1899 ..	..	..	Extension of sanction will be applied for separately.
Government of India No. 304 I., dated 30th November 1897, printed with P.M.G., No. 1141 I., dated 22nd December 1897.	74. Excavating 6th distributary of the 12th Branch channel and its five subsidiary channels.	..	33,300	33,300	31st March 1899 ..	..	..	
P.M.G., No. 298 I., dated 6th April 1898.	75. Excavating distributary and field channels from the right sluice of drop No. 14 in the 9th Branch channel.	..	2,020	2,020	31st March 1899 ..	..	..	
P.M.G., No. 385 I., dated 10th May 1898.	76. Regrading 5th Branch channel and constructing cross drainage works in the same.	..	7,750	7,750	31st March 1899 ..	..	..	
P.M.G., No. 389 I., dated 11th May 1898.	77. Excavating tail end of Chittampatti off-take and field channel in the 9th Branch channel.	..	1,300	1,300	31st March 1899 ..	..	..	
P.M.G., No. 501 I., dated 31st June 1898, and No. 207 I., dated 24th February 1899.	78. Excavating a distributary channel from the tail end of the 4th Branch channel to Kovilpagudi tank.	..	2,975	2,975	31st March 1899 ..	..	..	
P.M.G., No. 561 I., dated 22nd July 1898.	79. Improvements to Thirukkani tank	..	1,550	1,550	31st March 1899 ..	..	..	
P.M.G., No. 563 I., dated 22nd July 1898.	80. Excavating a distributary channel from the left bank of the 10th Branch channel to Aruttopatty tank.	..	2,730	2,730	31st March 1899 ..	..	..	
P.M.G., No. 636 I., dated 22nd August 1898.	81. Distributary channel from the proposed sluice in the left side of the Chunnambur off-take of the 10th Branch channel.	..	1,760	1,760	31st March 1899 ..	..	..	
P.M.G., No. 713 I., dated 17th September 1898.	82. Excavating field channel from the proposed sluice in Velangudi tank, 3rd Branch channel.	..	1,200	1,200	31st March 1899 ..	..	..	
P.M.G., No. 787 I., dated 13th October 1898.	83. Excavating No. 5 distributary of the 12th Branch channel.	..	3,650	3,650	31st March 1899 ..	..	..	
P.M.G., No. 878 I., dated 10th November 1898.	84. Constructing cross drainage works in the Chunnambur off-take taking off the 10th Branch channel.	..	2,150	2,150	31st March 1899 ..	..	..	
P.M.G., No. 69 I., dated 11th January 1899.	85. Constructing a surplus weir at left flank of Athalai tank.	2,700	..	2,700	31st March 1899 ..	..	..	
P.M.G., No. 199 I., dated 24th February 1899.	86. Excavating minor distributaries from the 9th Branch channel.	..	1,870	1,870	31st March 1899 ..	..	..	
Do.	87. Excavating distributaries at 1 mile 6 furlongs 500 feet, Kunnathore off-take, 9th Branch channel.	..	1,630	1,630	31st March 1899 ..	..	..	

N.B.—Items 19, 22 and 23 were sanctioned under Provincial 43. Minor Works and Navigation, with reference to letter No. 77 I., dated 13th April 1896, from the Government of India, printed with P.M.G., No. 407 I., dated 9th May 1896.

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

No. 177 I.

Note by the Chief Engineer for Irrigation.

Submitted to Government.

2. The return has been compiled in this office from the statements forwarded by the Superintending Engineers concerned, and verified by the Examiner of Public Works Accounts. It should have reached the Government of India by the 15th August 1899, and the delay in its submission was due to the late receipt in this office of the statements from Superintending Engineers. The statement last received was that of the II circle which reached this office only on the 8th instant instead of on the 15th July, the due date. Moreover, it was forwarded direct to this office instead of through the Examiner of Public Works Accounts, as directed in G.O., No. 624 I., dated 15th July 1893.

3. The Superintending Engineer, I Circle, applies for extension of sanction up to the 31st March 1901 for the marginally-

1. Constructing a combined drainage outfall sluice, aqueduct and canal surplus at 42½ mile of Bank canal, estimate Rs. 23,000.
2. Excavating Sivakodu side channel from left bank of Gannaram canal, estimate Rupees 2,570.
3. Constructing an undertunnel 4 miles 6 furlongs 538 feet of Kadali channel, estimate Rs. 3,940.

noted works for which the sanction already accorded expires only on the 31st March 1900. He should apply for the extension, if absolutely necessary, on the expiry of the present sanction.

4. The estimate of Rs. 2,810 for excavating Gogulapalli branch channel, minor channel, 1 mile 550 feet, Sangam

anicut system, sanctioned in G.O., No. 536 I., dated 25th June 1896, under "Provincial"—"43 Minor Works and Navigation" having been cancelled by G.O., No. 733 I., dated 22nd September 1898, has not been included in this return.

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

25th September 1899.

ORDER—No. 871 I., dated 17th October 1899.

Ordered that the return be forwarded to the Government of India, together with copies of G.O., No. 450 I., dated 13th June 1898, referred to in the remarks against item 19 of the return, and G.O., No. 733 I., dated 22nd September 1898, noted in paragraph 4 of the foregoing endorsement of the Chief Engineer for Irrigation.

2. The attention of the Superintending Engineers concerned is drawn to the remarks in paragraph 2 of the Chief Engineer's endorsement. They will see that their statements are submitted punctually in future.

[Here enter No. 872 I., dated 17th October 1899.]

(True Extract.)

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

To the Chief Engineer for Irrigation
,, Superintending Engineers, I, II, V and VI Circles.
,, the Examiner of Public Works Accounts.

ENDORSEMENT—No. 872 I., dated 17th October 1899.

Forwarded.

(By order.)

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

Exd. T. K. Narayana Aiyangar,

Public Works (1899) Department.

CURRENT No. 8049

From

*The Chief Engineer
for Irrigation.*

Order

No. 177 I.

Dated 25-9-99

Received

Registered

Enclosures

Spare copies.

SUBJECT.

*Return of open Capital
Sanctions for 1898-99
Submitted*

FURTHER PAPERS.

PROCEEDINGS OF THE MADRAS ^{GOVT} GOVERNMENT.

UNDER date the

READ the following

Return of Open Capital Sanctions for 1898.99.

Nov 77 24 25 1/2 35

Submitted to Government

2. The return has been compiled in this office from the statements forwarded by the Supg: Engineers concerned, and verified by the Examiner of P.W. Accounts. It should have reached the Govt^y of India by the 15th August 1899, and the delay in its submission was due to the late receipt in this office - ~~where they are due on the~~ 15th July - of the statements from Superintending Engineers.

Issue

27-9-55. 104
9

The statement last received was that of the 2nd circle which reached this office ^{only} on the 15th July, the due date. Moreover 8th instant, it was forwarded direct to this office instead of through the Examiner of P. W. Accounts, as directed in G. O. N^o 624. I. dated 15th July 1893.

Explanation of the necessity for renewal of sanction for works connected with the Periyar project not furnished in the statement forwarded, was received from the Supg. Engineer, 6th Circle, ~~only on the 16th instant.~~

3. The Superintending Engineer, 1st Circle, applies for extension of sanction up to ^{the} 31st March 1901 for the marginally noted works for which the sanction already accorded expires ^{only} on the 31st March 1900. He should

1. Constructing a combined drainage outfall sluice, aqueduct and canal sur- plus at $4\frac{2}{4}$ mile of Bank canal - Estimate Rs 23,000.
2. Excavating Sivakodu side channel from left bank of Gammaram canal. Est. Rs 257.
3. Constructing an under-tunnel 4 miles, 6 fms, 538 ft of Kadali channel. Est. Rs 3940.

apply for the extension, if absolutely necessary, on the expiry of the present sanction.

4. The estimate of Rs 2810 for excavating Gogulapalli branch channel, minor channel, 1 mile, 550 feet, Sangam

ancient system, sanctioned in G. O. N^o 536. I. dated 25th June 1896, under "Provincial

"43 Minor Works and Navigation" having been cancelled by G. O. N^o 733. I. dated 22nd September 1898 has not been

included in this return.

No: 871 Ld 17. 10. 98.
Order Thereon.

Ordered that the return be forwarded to the Govt. of India together with copies of G. O. N^o 450. I. dated 13th June 1898 referred to in the remarks against item 19 of the return, and G. O.

No. 733. I. dated 22nd September 1898 noted in para 4 of the foregoing endorsement of the Chief Engineer for Irrigation.

2. The attention of the Superintending Engineers concerned is drawn to the remarks in para 2 of the Chief Engineer's endorsement. They will see that their statements are submitted punctually in future.

A.S.H.
26.9.99

Endorsement No: 872 *22/17. 10-9*
Forwarded.

23/18
58.

W.H.
25.9.99

To,
The Chief Eng^r for Irrigⁿ *23/10/99*
" Sup^y Engrs I, II, V and VI Circles
a Examiner of Accounts

In P.M.G. No. 7383 of 23rd Sept 1898 this work was shown as complete at a cost of Rs 5855. A further expenditure of Rs 139 having been incurred during 1898-99 and passed in P.M.G. No. 1683 of 18th Feb 1899, this item has been included in this return

31st March 1899
5994
31st March 1898
5994
5994

Atli canal
Excavating proposed Nos 1 and 2 branches of Ramswaram channel -

Works in progress
Central section

P.M.G. No. 4643 of 29th May 1896 and 3. 1683 of 18th Feb 1899.

24/10/99

22.9.99

22/9/99

W.H.
25.9.99

Endorsement No. 87
Forwarded.

No. 733.I. dated 22nd September 1898 noted in para 4 of the foregoing endorsement of the Chief Engineer for Irrigation. The attention of the Superintending Engineers concerned is drawn to the remarks in para 2 of the Chief Engineer's endorsement. They will see that their statements are submitted punctually in future.

Return of Open Capital sanctions for 1898-99

Sanctioning authority	Name of work	Sanctioned estimate including establishment and local charges			Date of expiry of sanction	Amount for which work is completed	Date on which work is completed and sanction closed	Remarks
		Class I	Class II	Total				
1	2	3	4	5	6	7	8	9
		Rs	Rs	Rs				
<u>Godavari Delta System</u>								
<u>Works completed</u>								
<u>Central Section</u>								
P.M.G. No. 649 of 29 th Aug 1896	1. Vridha Godavari Drain							
	1. Diversion of Vridha Godavari drain at Mettalaunka	5310		5310	31 st March 1899	5111	30 th Nov 1898	
	2. Division of Bank canal at Godlaunka set							
P.M.G. No. 142 of 5 th Jan 1897 and 846 of 31 st Oct 1898				1718	31 st March 1899	1698	30 th June 1898	
<u>Western Section</u>								
<u>Atli canal</u>								
P.M.G. No. 464 of 29 th May 1896 and 1683 of 18 th Feb 1899	3. Excavating proposed Nos 1 and 2 branches of Ramaswaram channel			5994	31 st March 1899	5994	31 st March 1899	
				5994				
<u>Works in progress</u>								
<u>Central section</u>								

In P.M.G. No. 738 of 23rd Sept 1898 this work was shown as completed at a cost of Rs 5855. A further expenditure of Rs 139 having been incurred during 1898-99 and passed in P.M.G. No. 1683 of 18th Feb 1899, this item has been included in this return.

H. 25/9/89

Govt of India letter N° 571 S
of 12th Oct 1908 printed with P.M.G.
N° 833 S of 27th Oct 1908.

P.M.G. N° 109 S of 8th Feb 1908

Govt of India N° 72 S of 22nd

April 1898 printed with P.M.G.

N° 391 S of 12th May 1908

P.M.G. N° 820 S of 25th Oct 1908

Govt of India N° 75 S of 27th

April 1908 printed with P.M.G.

N° 643 S of 24th Aug 1908.

Bank Canal

4. Constructing a com-
-lined drainage, sub-
-fall sluice, aqueduct
and canal surplus at

42 3/4 miles of the canal 23,000

Gunnararam Canal

5. Excavating the Siva
-Kodu side channel
for left bank of the
canal -

2,570

Western Section

Ellore canal

6. Constructing cross

drainage works - 25,668

7. Excavating a

short cut on the

Gunnararam

drain to Naidupeta

- low year - 105,500

23,000 31st March 1900

2,570 31st March 1900

25,668 31st March 1900

105,500 31st March 1900

3

Works sanctioned
but not commenced
Central Section

Gunnarada Canal

8. Constructing an

undertunnel at

4 1/2 miles 6 fur + 538 ft

of Kadali channel

3940

3940 31st March
1900

Works requiring

renewal of sanction

Eastern Section

Head Works

9. Fitting falling

shutters on the

crest of the Goda

-vari Aicut - 217,000

217,000 31st March
1899

Cocanada Canal

10. Excavating Ma

-ramanda chan

-nel from 4 miles

7 fur + 562 ft of

Cocanada Canal

5460

5460 31st March
1899

22-1

Extension of sanction
1899

Western Section

Bank canal

11. Excavating Atanta

minor branch

channel from 5 m

7 fur + 460 ft of

Atanta channel

1960 1960 31st March
1899

12. Excavating Peda

-mallappa Channel

from 28 miles 60

Chains

2860 2860 31st March
1899

Kistna Delta System

Works completed

Western Section

13. Compensation for

land required for

the Bapatla chan

-nel, east and west

branch channels

and distributaries

4000 4000 31st March
1899

3799 31st March
1899

will be applied for
separately.

Works sanctioned
but not commenced

Western Section

Ordg N° 1973 d 24th Feb 1911

14 Excavating Ranga

10600 31st March 1900

15 Excavating Bapala

6000 31st March 1900

Tank East and west drains - 6000

Works requiring renewal of sanction

Eastern Section

Ordg N° 665 d 3rd Sept 1900

16 Converting Mesara

1970 31st March 1899

partial old disused lock into an escape

at 10 m 7 fms - 1970

Penner amant system

Ordg N° 613 d 3rd Aug 1905

17 Jaffer sails Canal

+ 360 d 28th April 1908

Division of Kudai

Thipalam Channel 6639

6639 31st March 1899

31st March 1900

Extension of sanction will be applied for separately

This work was completed and accounts closed in 1896-97 vide item N° 27 of the state-must printed with G.O. N° 7903 of 30th Aug 1907, but on a revised estimate amounting to Rs. 611 for land compensation, already paid for, was sanctioned

-ed in 1898-99, it has been included in this return.

Tangaur Ament system

Works completed

Ordg of India N° 270 d 4th printed with P.M.G. N° 1027 d 26th Nov 1905

Ordg of India N° 297 d 13th Nov 1907 printed with P.M.G. N° 1039 d 23 Nov 1908

Ordg of India N° 669 C.W.S. d 18th Nov 1908 printed with P.M.G. N° 905 d 19th Nov 1908 + 1

Ordg of India N° 487 dated 29th May 1909 printed with P.M.G. N° 507 d 21st June 1909

P.M.G. N° 927 d 19th Oct 1907

18 Schedule of in

- complete works - 43625

8240 51865 31st March 1899

31st March 1900

The outlay entered in

column 7 includes Rs 92 shown in the completion report submitted by the Supg: Engrs

The work as liabilities to be paid.

Work was ordered to be closed - vide G.O. N° 450 d 13th June 1908 (copy attached)

11100 11100 31st March 1899

824 31st March 1899

Work was ordered to be closed - vide G.O. N° 450 d 13th June 1908 (copy attached)

Works in progress

Ordg N° 368 d 29th April 1905

20 Vanni branch

+ 535 d 26th June 1909

Channel N° 2

Eastern channel

2590 2590 31st March 1900

Kamigai canal

Ordg N° 429 d 20th May 1905

21 Kamigai canal

+ 535 d 26th June 1909

for Dampur tank

6153 6153 31st March 1900

This work was shown as complete in the return for 1897-98. Vide P.M.G. N° 738 d 23 Sept 1908. A revised estimate for compensation for

for land having been sanctioned
in G.O. No. 535 of 26th June 1979,
the work has been shown in that
return.

7

Ord of Subra No. 773 of 13th April 22. Diverting the
surplus water of
the Kanyari River
- join with the Pyduru
river -

208000 208000 31st March
1900

Works sanctioned but
not commenced

Ord No. 2802 of 18th March 1899
23 Foot bridge across
Eastern channel
at 7 m. 2 fur for
Gundavarani Danka
and at 10 m. 2 fur.
for Kodavulur Danka

3240 31st March
1900

Cawery Delta System
Works completed

Ord No. 9373 of 10th Nov 1906 24 Providing screw
gearing shutters
to head sluices
of north and

South Rajan Chann
- nile -

3080 31st March
1899

Ord No. 6673 of 11th Aug 1906 25 Improvements to
Santhanarani Chann

- not an off take of
the Vettam -

6860 31st March
1899

Ord No. 63 of 3rd Jan 1906 26 Enlarging
- new dam in the
Mundalar -

4560 31st March
1899

Ord No. 9093 of 1st Nov 1905 27 Constructing a
drainage sluice for
Nickunnam drain
age channel and
foot bridge at the
infall of the Vettam
- minor drainage into
the Vennar -

4190 31st Jan 1909

Ord No. 5993 of 31st July 1905 28 Improvements to
Maraneri Syann
Tank -

3850 31st March
1899

Ord No. 8443 of 20th Sept 1909 29 Scientific instruments
and office furniture
for the use of the
Special establishment
connected with the
Cawery delta system

5400 31st March
1899

23rd 31st July 1908

This work was shown as
completed for Rs. 3708 in the
return for 1897-98 - vide G.O.
No. 738 of 23rd Sep: 1898.
An excess outlay of Rs. 442
incurred on the work
having been sanctioned in
1895-99 (G.O. No. 140 of 18-2-99)
it has been sanctioned in the
Statement of Return.

15 8

Ordg N° 312 S 4 23 rd March 1973	Improving the Muvarkarai dam across the Pungu - ni channel	4060	31 st March 1899	4253	Dec 1998
Ordg N° 485 S 4 15 th June 195	31 Providing an ope - nimental pair of shutters to replace the body wall in Arch N° 8 from right with branch, Upper Coleroon ancient	3540	31 st March 1899	2480	31 st May 1996
Ordg of India N° 259 S 4 23 rd Oct 1995 printed with Ordg N° 921 S 4 2 nd Nov 1995	32 Constructing a regg - later of mine vents across the Vettar just below the off take of the Odan - boghujar	30519	31 st March 1898	30519	31 st March 1999
Ordg of India N° 126 S 4 1 st May 1897 printed with Ordg 500 S 4 28 th May 197	33 Improvements to the Upper Coleroon Ancient	657000	31 st March 1900		

Estimate closed, the experi - mental shutters having proved a failure.

Though this work was shown as completed in Co N° 738 S 4 23rd Sept 1998, a sum of Rs 73 was credited to it in the accounts for 1898-99. Hence it has been shown in this return.

P.M.G. N° 43 S 4 18 th Jan 198	34 Constructing sheds for lascar and stores for the Vettar regulator at Enkan	1750	31 st March 1900		
P.M.G. N° 856 S 4 1 st Nov 1998	35 Reconstructing the solid drains - syphon across the Phalaradiser Channel	1780	31 st March 1900		
Ordg N° 853 S 4 7 th Nov 1994	36 Reconstructing old dam across the Syammar	4731	31 st March 1900		
Ordg N° 873 S 4 24 th Oct 1996					
Ordg N° 736 S 4 22 nd Sept 1998					
Ordg of India N° 113 S 4 12 th April 1977 printed with Ordg 443 S 4 11 th May 1977	37 Fitting left shutter to the Grand - ancient	129200	31 st March 1899		
Ordg N° 1086 S 4 23 rd Sept 1996	38 Improving Kali vorkal an off take of the Viskraman	3100	31 st March 1899		
Ordg N° 730 S 4 9 th Aug 1977	39 Constructing a rest house with orthoses at Peralam	3050	31 st March 1899		

Extension of sanction

will be applied
for separately

P.M.S. N° 45748 of 14 th May 1997	40 Constructing a masonry regulating dam across Perai vokkal	2900	2900	31 st March 1899
P.M.S. N° 9903 of 10 th Nov 1997	41 Constructing a regulating dam across the Solasu damanar	1570	1510	31 st March 1899
P.M.S. N° 9198 of 3 rd Nov 1996	42 Improving Melaperumalai dam across Marakata payar and providing a new bend to Melaperumalai channel	6120	6120	31 st March 1899
P.M.S. N° 2949 of 6 th April 1998	43 Scientific instructions for the use of Special catchment of the Cauvery delta system	3420	3420	31 st March 1899
P.M.S. N° 779 of 20 th Jan 1997	44 Constructing quarters for Superintendent			

P.M.S. N° 11028 of 9 th Dec 1997	45 Improvements to Kanyagan channel	5820	5820	31 st March 1900
P.M.S. N° 445 C.W.S. of 30 th Aug 1998	46 Regulators across the Puthur-Velap ponn, Regulators across the Puthur-Solasundamayan, and Regulator and scouring sluice at the head of the Kuthimannu	51800	51800	31 st March 1901
P.M.S. N° 6508 of 12 th Aug 1995	47 Improving Palayya - Koyal Tank	3200	3200	31 st March 1899
P.M.S. N° 8529 of 22 nd Oct 1996	48 Forming a new bank in the bed of the Koram pallam tanks	1370	1370	31 st March 1900

12

P. M. N. 4158 of 21st May 1908 49 Providing screw
searing shutters to
the scouring sluice
in the Shivarathnam
aqueduct - 11,100
Periyar project
Works in progress
Dig N. 5869 of 29th July 1908 50 Excavating the tail
end channel of
Pappagudi offtake
and constructing
masonry works in
the 9th Branch channel 10,630 31st March 1900
Do 51 Distributary and
field channels from
left sluice of drop
N. 14 in the 9th
Branch channel 4,700 31st March 1900
Do 52 Excavating 51 and
x1 A distributary
from 10th mile of
12th Branch channel 10,650 31st March 1900

P. M. N. 8969 of 28th Oct 1908 53 Constructing a
bridge at 5 miles
1st fur of the Periyar
main channel 2,860 31st March 1900
Do 54 Excavating distri-
butary and field
channel from Thada
- new tank under
the 1st Branch channel 2,160 31st March 1900
P. M. N. 1799 of 20th Feb 1909 55 Building the Shan
- dalai offtake through
the Thandalai tank,
lowering weirs and
constructing irrigation
works - 6,100 31st March 1900
P. M. N. 1889 of 22nd Feb 1909 56 Distributary channel
from 6 m 4 fur + 80 ft
in Chinnambur off-
take to Kuranur
tank, 10th Branch chan-
nel 8,650 31st March 1900
P. M. N. 2079 of 28th Feb 1909 57 Excavating tail
end of 4th Branch
channel - 2,920 31st March 1900

Only N° 284, 24 18th March 1999 58. Excavating the ex-

- tension of Pierappa
- lai off take of 4th

Branch channel -

Only N° 299, 24 24th March 1999 59. Excavating a sub-

distributary from the

9th distributary of the

12th Branch channel

60. Repairing 8th Branch chan-
- nel & constructing cross
drainage works in the same.

Works requiring

renewal of sanction

61. XII Branch channel

N° 3 distributary

from the left sluice

of drop N° 5 -

62. XII Branch channel

N° 4 distributary from

the right sluice of

drop N° 6 at 2 mile

140 feet. -

63. XII Branch channel

N° 7 distributary

from proposed head

sluice at 5 miles

and 4 100 ft.

Do

Only N° 361, 24 13th April 1997

+ 788, 24 26th August 1997

Only N° 361, 24 13th April 1997

Only N° 1002, 24 12th Nov 1997 +
533, 24 26th June 1999

5420 5420 31st March 1900

4220 4220 31st March 1900

7130 7130 31st March 1900

3600 3600 31st March 1899

6200 6200 31st March 1899

3910 3910 31st March 1899

Extension of sanction

Only N° 397, 24 27th April 1997 64. Excavating distri-

butory and field

channels from the

right sluice of drop

N° 14 in the 9th

Branch channel -

Only N° 796, 24 1st Sept 1997 65. Excavating N° 8

distributary taking

off at 7 m 360 feet

on the left bank of

the XII Branch chan-

nel

66. Constructing cross

drainage works in

the III Branch chan-

- nel of the Periyar

main channel - 3000

67. Excavating 10th

distributary chan-

- nel at 8 m 5160 ft

of the XII Branch

channel -

68. Excavating 9th dis-

- tributary channel

and its masonry

works taking off

at the 8th mile

Only N° 900, 24 9th Oct 1997

Only N° 887, 24 7th Oct 1997

Only N° 842, 24 20th Sept 1997

Only N° 796, 24 1st Sept 1997

will be applied for
separately.

16

6

1760 1760 31st March 1899

9300 9300 31st March 1899

3000 3000 31st March 1899

5700 5700 31st March 1899

on the right bank
 of the XII Branch
 channel
 69 Excavating distribu-
 tary channel from
 the left sluice of
 drop N° 8 Kunna
 - those offtake in the
 9th Branch channel
 70 Constructing an ir-
 rigation sluice at
 3 miles 3 fms and ex-
 cavating distributary
 and field channels
 from the same in the
 9th Branch channel
 71 Excavating field
 channel from the
 proposed pipe and
 masonry sluices in
 the Kunna there
 offtake of the 9th
 Branch channel
 72 Excavating distri-
 butary taking off

24,300 24,300 31st March
 1899
 2,270 2,270 31st March
 1899
 1,930 1,930 31st March
 1899
 1,450 1,450 31st March
 1899

Extension of sanction

Govt of India N° 304 Sd 30th
 No 97 printed in O.P.S.
 No 114 Sd 22nd Oct 97
 Pms N° 298 Sd 6th April 98
 Pms N° 385 Sd 10th May 98
 Pms N° 1104 Sd 9th Jan 97
 Pms N° 1013 Sd 13th Nov 97
 Pms N° 994 Sd 10th Nov 97
 Pms N° 942 Sd 21st Oct 97
 Pms N° 910 Sd 14th Oct 97

the sluice on the
 right bank of the
 Peryar main Cham-
 -rel at 22nd mile
 in the 6th Reach -
 73 Constructing a sluice
 and distributary chan-
 -rel at 30 miles 6 fms
 100 ft. in the 11th
 Reach -
 74 Excavating 6th
 Distributary of the
 12th Branch channel
 and its five subor-
 -diary channels -
 75 Excavating distri-
 butary and field
 channels from the
 right sluice of drop
 N° 14 in the 9th
 Branch channel -
 76 Regrading 5th Branch
 channel and construct-
 ing cross drains -
 works in the same -

3,600 3,600 31st March
 1899
 7,000 7,000 31st March
 1899
 33,300 33,300 31st March
 1899
 2,020 2,020 31st March
 1899
 7750 7750 31st March
 1899

will be applied for
separately

Number of works

28

May N° 389 24th 11th May 1908 77 Excavating tail end
 of Chittampatty off
 lake and field
 channel in the 9th
 Branch channel -
 1300 1300 31st March
 1899
 May N° 501 24th 31st June 1908 78 Excavating a distribu-
 tary channel from
 the tail end of the
 1st Branch channel
 to Kailpapagudi
 tank -
 2975 2975 31st March
 1899
 May N° 561 24th 22nd July 1908 79 Improvements to
 Thirukkani tank
 1530 1530 31st March
 1899
 May N° 563 24th 22nd July 1908 80 Excavating a distribu-
 tary channel
 from the left bank
 of the 10th Branch
 channel to Aruthe
 -putty tank -
 2730 2730 31st March
 1899
 May N° 636 24th 22nd August 1908 81 Distributary chan-
 nel from 5m 7 feet
 in the left side
 of the Chumambur
 offtake of the
 10th Branch channel
 14 # 5 # 9 # 5 # 7 #

Extension of sanction

will be applied for
separately

May N° 713 24th 17th Sept 1908 82 Excavating field
 channel from the
 proposed sluice in
 Velampudi tank -
 3rd Branch channel
 1200 1200 31st March
 1899
 May N° 787 24th 13th Oct 1908 83 Excavating N° 5
 distributary of the
 12th Branch channel
 3650 3650 31st March
 1899
 May N° 878 24th 10th Nov 1908 84 Constructing cross
 drainage works in
 the Chumambur
 offtake taking off
 the 10th Branch chan-
 nel -
 2150 2150 31st March
 1899
 May N° 69 24th 11th Jan 1909 85 Constructing a
 surplus weir at
 left flank of
 Athalai tank -
 2700 31st March
 1899

will be

31st March
1899

86 Excavating minor
distributaries from
the 9th Branch

Channel 27

87 Excavating die

- butaries at 1 mile

6 per 500 feet, 500

-nature off take

9th Branch channel

1870 1870 31st March
1899

1.630 1.630 31st March 1899

N. B. Plans 19, 22 and 23 were sanctioned
reference to letter N^o 77, d^y 13th April 96, from the Govt. of India printed with P.W. N^o 4079
dated 9th May 1896.

1065 23/9/97

20.9.99

23/

W-7 Hughes

Chief Engineer for Irrigation

Extension of sanction
will be applied for
separately.

2

15/1

22