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MADRAS RECORD OFFICE.**Government of Madras.***Public works* **DEPARTMENT.**

G.O. No. 3553

Press
~~Mis.~~

569-570

Dated

23. 11.

18 65.

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**Proceedings of the Madras Government, Public Works Department,
23rd November 1865.**

No. 569. Read the following letter from the Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Department Public Works, dated Madras, 8th November 1865, No. 108 :—

1. I have the honor to submit the following report on the progress made in the works of the Madras Irrigation and Canal Company during the quarter ending 31st July 1865.

2. The Agent's Report for July was received on the 30th September, and my Memorandum of audit thereon was sent on the 24th ultimo.

3. The expenditure on the Soonkasala Anicut and head works was Rupees 13,796-3-9, consisting of Rupees 7,322-7-9 for masonry, Rupees 1,172-2-9 for special superintendence and sundries, Rupees 5,217 for repairs to the anicut, Rupees 70-2-3 for stores, and Rupees 14-7-0 for proportion of store charges.

4. The expenditure on the Hindry aqueduct was Rupees 8,328-10-9, the items being—

	RS.	A.	P.
Excavation, baling, and filling in	42	0	0
Rubble stone in chunam	1,992	0	2
Cut stone	527	15	8
Arch work in chunam, cubic yards 711	3,129	2	10
Centerings	980	2	7
Plastering and cornice	225	14	1
Special superintendence and sundries	1,412	2	11
Stores... ..	15	15	10
Proportion of store charges	3	4	8

5. Rupees 33,461-10-9 were expended on the 1st Section, 1 to 17½ miles, of the Main Canal, the work done being—

	RS.	A.	P.
* Excavation and embankments, cubic yards 1,38,122	23,009	9	5
Revetting interior banks with rough stone, do. 9,048	7,057	6	8
Calingulahs	63	0	0
Special superintendence and sundries	3,330	4	11
Proportion of store charges	0	3	9
Stores... ..	1	2	0

6. The 2nd and 3rd Sections from the 18th to the 43rd miles, show an outlay of Rupees 1,95,922-5-9, the items being—

	RS.	A.	P.
Excavation and embankment, cubic yards 2,96,516	87,878	9	0
Revetment, square yards 48,046... ..	36,017	11	8
Masonry revetment, do. 80... ..	216	0	0
Rubble masonry wall	5,549	3	0
Dry rubble walls	12,540	8	7
Backing with dry rubble	597	8	0
Dry filling in behind the masonry revetment	628	14	0
Foundation to masonry walls	40	1	7

was 11 rupees 8328-10-9, the items being:

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	RS.	A.	P.
Clay well rammed between dry rubble	3,111	1	4
Dry rubble and gravel, &c.	1,579	7	10
Single or stone backing	2,854	1	6
Covering sandy bed of the Main Canal below the Hindry aqueduct	16	8	0
Aqueduct at Kadrabagh	5,718	5	0
Do. at Ullur	14,662	10	0
Cutting ingress stream	909	2	7
Bridge	34	0	4
Calingulahs	2,192	8	10
Culverts	861	9	3
Discharging sluice in the tank bund at the 40th mile ...	5,681	6	7
Sultanpoor tunnel	1,893	0	11
Alterations of road	1,064	1	8
Special superintendence and sundries	11,260	15	11
Stores	509	14	8
Proportion of store charges	104	15	6

7. On the 4th and 5th Sections of the Main Canal, from the 44th to 72nd miles, there was an expenditure of Rupees 1,18,940-8-4, the details being—

	RS.	A.	P.
Excavation and embankment, cubic yards 2,03,766 ...	38,193	12	2
Revetment and pitching do. 8,192 ...	23,665	5	0
Bridges	3,229	0	2
Bridges on road from Metacondal to Yerragoodoor ...	48	12	0
Aqueduct in the 63rd mile	15,655	1	8
Calingulahs	3,115	6	1
Culverts	7,720	8	1
Return bund	6,706	1	8
Scouring channel and sluice	853	14	3
Special superintendence and sundries	13,141	15	5
Stores	1,335	12	3
Proportion of store charges	274	15	7

8. On the 6th Section, or miles 73rd to 91st of the Canal, Rupees 19,909-5-6 were expended on—

	RS.	A.	P.
Excavation and embankment, cubic yards 49,066 ...	9,800	14	1
Single and double culverts	56	11	0
Locks	3,795	1	9
Bridge	185	12	10
Scouring sluice and channel	650	9	2
Special superintendence and sundries	4,341	10	11
Stores	894	7	7
Proportion of store charges	184	2	2

9. The outlay on the 7th Section, miles 92nd to 114th, amounts to Rupees 19,247-2-0, being for—

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	RS.	A.	P.
Excavation and embankment, cubic yards 30,146 ...	4,137	11	6
Anicut and head works	3,742	13	10
Culverts	5,273	10	2
Calingulahs	35	5	6
Bridges	1,876	6	5
Special superintendence and sundries	3,102	8	10
Stores	894	7	7
Proportion of store charges	184	2	2

10. The outlay on the 8th Section, miles 115th to 143rd, was Rs. 35,748-3-6, the items being—

	RS.	A.	P.
Excavation and embankment, cubic yards 1,95,316 ...	24,159	4	8
Calingulahs	5,366	3	10
Locks	2	12	0
Bridges	1,034	12	8
Culverts	580	5	11
Special superintendence and sundries	4,569	2	0
Stores	29	9	1
Proportion of store charges	6	1	4

11. The expenditure on the Somaiswaram anicut and head works was Rupees 2,626-14-1, consisting of Rupees 728-2-9 on the body of the anicut, Rupees 84-4-0 for railway and waggons, and Rupees 1,814-7-4 for special superintendence and sundries.

12. The expenditure on works of distribution was Rupees 300-2-3, of which Rupees 56-9-4 were expended on the branch channel and sluices in the 1st Section, Rupees 216-15-11 on the branch channels and sluices in the 4th Section or Naga-toor Division, and the remainder Rupees 26-9-0 on the distribution works in the 6th Section or Bowanassy Division.

13. The expenditure on buildings was Rupees 1,167-2-2, consisting of the following items:—

	RS.	A.	P.
Central Hospital with out-houses and compound wall at Kurnool	199	4	9
Office, Store-house, and Workshop at Soonkasala ...	316	6	0
Roads, bridges, &c., at Bowanassy	491	13	8
Office, Store-room, and Artificers' shed at Bowanassy ...	65	6	4
Office and store buildings at Valapanoor	55	4	7
Do. do. at Jupad	24	14	10
Do. do. at Chintagoontah	14	0	0

The following abstract shows the expenditure on all works from the commencement to the close of the quarter compared with the sanctioned estimates:—

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Works.	Amount of the estimate.	Expenditure up to 30th April 1865.	Cost in the quarter ending 31st July 1865.	Total expenditure.	Add amount transferred to this from other works.	Deduct refunds do. do.	Total net expenditure.	Amount.	
								Available.	In excess of estimate.
<i>Main Supply.</i>									
Anicut and head works at Kurnool ...	Rs. 3,03,080	Rs. 58,464	Rs. 13,796	Rs. 58,464	Rs. 8,470	Rs. 66,934	Rs. 66,934	Rs. 2,36,146	Rs. 23,432
Do. at Soonkasala ...	3,50,848	3,60,484	13,796	3,74,280	.....	3,74,280	3,74,280	.....	.....
Do. at Somaswaram ...	1,62,470	56,821	2,627	59,448	.....	59,439	59,439	1,03,031	12,143
Aqueduct across the river Hindry ...	2,46,030	2,49,844	8,329	2,58,173	.....	2,58,173	2,58,173	.....	.....
Canal for one mile from the head sluice of the Kurnool anicut ...	65,000	49,211	.....	49,211	.....	49,211	49,211	15,789	.....
South Main Canal, 1st Section, 17½ miles ...	8,56,777	7,87,002	33,462	8,20,464	22,479	8,42,943	8,42,943	13,834	.....
Do. 2nd and 3rd Sections from 18th to 43rd miles.	19,16,717	16,68,303	1,95,922	18,64,225	7,272	18,71,173	18,71,173	45,514	.....
Do. 4th and 5th do. from 44th to 72nd do. ...	9,52,963	9,49,199	1,18,941	10,68,140	.....	10,67,632	10,67,632	.....	1,14,719
Do. 6th do. from 73rd to 91st do. ...	3,84,434	2,70,111	19,909	2,90,020	102	2,90,161	2,90,161	94,333	.....
Do. 7th do. from 92nd to 114th do. ...	2,35,850	1,49,669	19,217	1,68,916	102	1,68,928	1,68,928	66,922	.....
Do. 8th do. from 115th to 143½th do. ...	5,58,610	1,66,212	35,748	2,01,960	.....	2,01,960	2,01,960	3,56,650	.....
Branch channels and sluices between the first 17½ miles of 1st Section ...	60,32,779	47,65,320	4,47,981	52,13,301	38,425	52,50,821	52,50,821	9,32,249	1,50,294
Irrigation channels and sluices for irrigating about 50,000 acres between the rivers Bowanassy and Kisina ...	5,520	4,433	56	4,489	.....	4,489	4,489	1,031	.....
Distribution works at 6th Section in the Bowanassy Division ...	10,218	1,376	217	1,593	.....	901	692	9,526	.....
Canal for one mile from the head sluice of the Kurnool anicut ...	10,000	.....	27	27	901	.....	928	9,072	.....
Central Hospital with out-houses and compound wall at Kurnool ...	25,738	5,809	300	6,109	901	901	6,109	19,629	.....
Repairs to do. ...	2,540	4,188	200	4,388	.....	.....	4,388	.....	1,848
<i>Buildings.</i>									
Central Hospital with out-houses and compound wall at Kurnool ...	25,738	5,809	300	6,109	901	901	6,109	19,629	
Repairs to do. ...	2,540	4,188	200	4,388			4,388		1,848

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14. This Statement shows that the expenditure of the quarter was Rupees 4,49,448, and the net total outlay up to the end of the quarter Rupees 53,04,723.

15. The sum of Rupees 38,424-8-5, * G. O. No. 2,434, dated 22nd August 1865. referred to in paragraph 16 of my letter* No. 69 of the 12th August 1865, and which had been irregularly deducted from the expenditure under main supply in the last report, has been added thereto in the above Statement under the column headed "Add amount transferred, &c.," for reasons given in paragraph 8 of my letter No. 74, dated 22nd August 1865, Government Order No. 2,611 of the 7th September following.

16. The subjoined Statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 69,529, more than that noticed in my last report, the outlay not covered by sanctioned estimates being Rs. 1,69,104 :—

Works.	Excess expenditure up to 30th April 1865.	Excess expenditure during the quarter 31st July 1865.	Total.	Deduct refund.	Excess net expenditure up to 31st July 1865.
<i>Main Supply.</i>					
Anicut and head works at Soonkasala ...	Rs. 50,834	Rs. 13,796	Rs. 23,432	.....	Rs. 23,432
Deduct the amount of the supplemental sanction during the quarter ...	41,198	.....	.....	.....	.....
Aqueduct across the river Hindry at Kurnool ...	31,091	8,329	12,143	.....	12,143
Deduct amount of the supplemental sanction during the quarter ...	27,277	.....	.....	.....	.....
South Main Canal 4th and 5th Sections ...	.....	1,15,177	1,15,177	458	1,14,719
Total ...	13,450	1,37,302	1,50,752	458	1,50,294
<i>Buildings.</i>					
Central Hospital at Kurnool ...	1,648	200	1,848	.....	1,848
Office and Store at Soonkasala ...	3,763	317	4,080	7	4,073
Do. do. and Artificers' shed at Bowanassy ...	172	65	237	.....	237
Road and bridges at Bowanassy ...	3,868	491	4,359	.....	4,359
Office and Store building at Valapanoor ...	3,226	55	3,281	.....	3,281
Do. do. at Jupad in Nagatore ...	3,088	25	3,113	.....	3,113
Do. do. at Pugrydial in do. ...	177	.....	177	.....	177
Do. do. at Chintagoontah in Kurnool ...	1,708	14	1,722	.....	1,722
Total ...	17,650	1,167	18,810	7	18,810
Grand Total ...	31,100	1,38,469	1,69,569	465	1,69,104

Of this excess, however, the portion Rupees 1,14,719 on the 4th and 5th Sections has been nearly covered by the sanctioned advance of one lac. The excess on the

was Rupees 8328-10-9 the item being

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Office, Store-house, and Workshop at Soonkasala...	4,000	7,703	317	8,080	7	8,073	4,073
Roads, bridges, &c., at Bowanassy...	7,298	3,808	491	4,339	.....	4,339	4,359
Office, Store-room, and Artificers' shed at Bowanassy...	.....	7,470	65	7,535	.....	7,535	237
Improvement of the road approaching to the above build- ings and repairing two culverts at do.	578	25	.....	25	.....	25	.....
Repairing the above building at Bowanassy	168	.....	.....	.....	.....	.....	.....
Converting the unfinished building intended for a Gun Powder Manufactory into an Hospital at Bowanassy	427	12	.....	12	.....	12	.....
Office and Store building at Valapanoor in the Bowanassy Division	1,970	5,196	53	5,251	.....	5,251	3,281
Do. do. at Jupaud in the Nagatore Division	2,444	5,532	25	5,557	.....	5,557	3,113
Do. do. at Pugydia in the do.	3,030	3,207	.....	3,207	.....	3,207	177
Do. do. at Chintagoontah in Kunder	3,532	5,260	14	5,274	.....	5,274	1,723
Do. and temporary shed at Ayaloor in do.	612	67	.....	67	.....	67	.....
Quarters for Sub-Assistant Engineer and Assistant Sur- veyor at do.	1,236	697	.....	697	.....	697	.....
Hospital and Apothecary's residence at Somaiishwaram	2,900	1,567	.....	1,567	.....	1,567	.....
Office building at Somaiishwaram	1,470	1,470	.....	1,470	.....	1,470	.....
Repairs to the anicut Office at Zorapoor	327	308	.....	308	.....	308	.....
Total...	32,650	46,630	1,167	47,797	7	47,790	18,810
	60,91,167	48,17,759	4,49,448	53,67,207		53,01,723	1,69,101
							9,55,518

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Central Hospital Kurnool, Rupees 1,848, has similarly been nearly adjusted by the supplemental sanction of Rupees 1,648-5-4 and that on roads, and bridges, Bowanassy, has been fully covered.

17. The following estimates were received from the Agent, and submitted to Government during the quarter:—

	RS.	A.	P.
1. Plan and estimate for certain temporary works required for the protection of the part of the Soonkasala anicut which was breached in last year	3,200	0	0
2. Supplemental estimate for the completion of the Hindry aqueduct	27,277	0	0
3. Plans and estimates for four Overseers' quarters, Store and Workshop, and Clerks and pay Office at Somaiishwaram	4,841	1	7
4. Supplemental revised estimate for the 20th mile of the Main Canal	43,938	0	0
5. Revised estimate for the Central Hospital at Kurnool	4,188	5	4
6. Estimate for an Overseer's hut at do.	1,244	13	3

Of these the first three received the sanction of Government during the quarter, together with another which was previously submitted, viz:—

Estimate for the repairs of the Soonkasala anicut, &c. Rupees 38,142

18. The per-centage of cost of Establishments of all kinds, on the expenditure of the quarter, is 21.48, of which 5.76 are for General Management, 8.83 for Permanent, and 2.94 for Temporary Establishments employed on construction, and 3.95 for Establishments engaged in investigations in Bellary and Cuddapah.

No. 570. ORDER THEREON, 23rd November 1865, No. 3,553.

CIVIL WORKS, No. 82.

Ordered to be communicated to the Right Honorable the Secretary of State for India.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

To the Consulting Engineer for the Madras Irrigation and Canal Company.
" Manager for do. do.

Ed. S. T. Augustin.

Consulting Engineer's Office,
Irrigation Canal Company,
November 1865.

N^o 108.

From,

Captain, J. Mulline, R.E.
Consulting Engineer for I.C.C.

To,

The Secretary to Government
Department of Pub. Works.

Sir,

1. I have the honor to submit the following report on the progress made in the works of the Madras Irrigation and Canal Company, during the Quarter, ending 31st July 1865.
2. The Agent's report for July was received on the 30th September, and my Memo. of Audit thereon was sent on the 3rd ultimo.
3. The expenditure on the Sankhavalu Aicut and Head works was Rupees 13796-3-9, consisting of Rupees 7322-7-9 for Masonry, Rupees 1172-2-9 for special superintendence and sundries, Rupees 5217 for repairs to the Aicut, Rupees 70-2-3 for Stores, and Rupees 14-7-4 for proportion of Store charges.
4. The expenditure on the Hindry Aicut was Rupees 8328-10-9, the items being

Irrigation.

Excavation, baling and filling in	Rs. - ai - P
Rubble stone in chunam	12 - -
Cut stone	1992 - - - 2
Arch work in chunam, Cyp. 7/11	527 - 15 - 2
Centrings	3129 - 2 - 10
Plastering and cornice	920 - 2 - 7
Special superintendence and sundries	225 - 14 - 1
Stores	1412 - 2 - 11
Proportion of Store charges	15 - 15 - 10
	3 - 4 - 2

5. Rupees 33,461-10-9 were expended on the 1st Section, 1 to 17 1/4 miles of the Main Canal, the work done being:

Excavation and embankments Cyp. 138/122	23009-9-5
Revetting interior banks with rough stone. C. 9048-7057	6-8
Calingulaks	63 - - -
Special superintendence and sundries	3330-4-11
Proportion of Store charges	- 3-7
Stores	1-2 - -

6. The 2nd and 3rd Sections from the 18th to the 43rd miles show an outlay of Rupees 195,922-5-9, the items being:

Excavation and embankment Cyp. 296,516	87078-7-
Revetment square yards 40,046	36017-11-2
Masonry revetment to 80	216 - - -
Rubble masonry wall	5549-3 - -
Dry rubble walls	12540-8-7
Backing with dry rubble	597-8 - -
Dry filling in behind the masonry revetment	658-14 - -
Foundation to masonry walls	40-1-7
Clay well rammed between dry rubble	8111-1-4
Dry rubble and gravel	1579-7-10
Single or stone backing	2854-1-6
Covering sandy bed of the Main Canal below the Hindry Aqueduct	3-16-2 - -
Aqueduct at Hadrahagh	5710-5 - -
Do at Ulling	14662-10 - -
Cutting ingress stream	909-2-7
Bridge	

Bridge	Rs. - ai - P
Calingulaks	34 - - - 4
Calverts	2192 - 8 - 10
Discharging sluice in the tank bund at the 40th mile	261-9-3
Sultanpore Tunnel	5681-6-7
Alterations of road	1093 - - - 11
Special superintendence and sundries	1064-1-2
Stores	11260-15-11
Proportion of Store charges	509-14-2
	104-15-6

7. On the 4th and 5th Sections of the Main Canal, from the 44th to 72nd miles, there was an expenditure of Rupees 118,940-2-4, the details being:

Excavation and embankment Cyp. 203,766	32193-12-2
Revetment and pitching	2192-20665-5 - -
Bridges	3229-2-2
Bridges on road from Metacunda to Uragodra	48-12 - -
Aqueduct in the 63rd mile	15655-1-2
Calingulaks	3115-6-1
Calverts	7720-8-1
Return bund	6706-1-2
Scouring channel and sluice	853-14-3
Special superintendence and sundries	13141-15-5
Stores	1335-12-3
Proportion of Store charges	274-15-7

8. On the 6th Section or miles 73rd to 91st of the Canal, Rupees 19,909-5-6 were expended on:

Excavation and embankment Cyp. 49,066	9000-14-1
Single and double culverts	56-11 - -
Locks	3795-1-9
Bridge	185-12-10
Scouring sluice and channel	650-9-2
Special superintendence and sundries	4341-10-11
Stores	294-7-7
Proportion of Store charges	104-2-2

9. The outlay on the 7th Section, miles 92nd to 114th, amounts to Rupees 19,247-2-, being for:

Excavation

Excavation and Embankment <i>Expts</i> 30,146	4,137-11-6
Ancient and Head works	3,742-13-10
Culverts	5273-10-2
Calingulaks	35-5-6
Bridges	1,076-6-5
Special superintendence and sundries	3,102-0-10
Stores	094-7-7
Proportion of Store charges	104-2-2

10. The outlay on the 8th Section, miles 115th to 143rd, was Rupees 35,748-3-6, the items being:

Excavation and Embankment <i>Expts</i> 19,536	24,159-4-0
Calingulaks	5,366-3-10
Locks	2-12-
Bridges	1,034-12-0
Culverts	500-5-11
Special superintendence and sundries	4,569-2-
Stores	29-9-1
Proportion of Store charges	6-1-4

11. The expenditure on the Somaicmaran Ancient and Head works was Rupees 2,626-14-1, consisting of Rupees 728-2-9 on the body of the Ancient, Rupees 84-4- for railway and waggons, and Rupees 1,814-7-4 for special superintendence and sundries.

12. The expenditure on works of distribution was Rupees 300-2-3, of which Rupees 56-9-4 were expended on the branch channel and sluices in the 1st Section, Rupees 216-15-11 on the branch channels and sluices in the 4th Section or Nagatvor Division, and the remainder Rupees 26-9- on the distribution works in the 6th Section or Bowmanarry Division.

13. The expenditure on Buildings was Rupees 1167-2-2,

14. This Statement shows that the expenditure of the quarter was Rupees 4,49,440 and the net total outlay up to the end of the quarter Rupees 3,30,4723.

15. The sum of Rupees 30,424-0-5, referred to in para. 16 of my letter N^o 69 of the 12th An. * 4.0.1.2234. of 22nd Aug 1865. and which had been irregularly deducted from the expenditure under Main Supply in the last Report, has been added thereto in the above statement under the column headed "Too amount transferred *para 8 of* for reasons given in my letter N^o 74 dated 22nd August 1865, Government Order N^o 2611 of the 7th September following.

16. The subjoined Statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 69,529 more than that noticed in my last report, the outlay not covered by sanctioned estimates being Rupees 1,69,104.

Works.	Excess of expenditure up to 30 th April 1865.	Excess of expenditure during the quarter ending 30 th July 1865.	Total.	Excess of expenditure up to 30 th April 1865.
Main Supply.				
Ancient and head works at Sankarala - 50,836				
Deduct the amount of the supplemental sanction during the quarter - 41,198	9,636	13,796	23,432	23,432
Aqueduct across the river Kundry at Kurnool - 31,091				
Deduct amount of the supplemental sanction during the quarter - 27,277	3,814	8,329	12,143	12,143
South Main Canal 4 th and 5 th Sections		115,177	115,177	458
Total	13,450	137,302	150,752	458
Buildings.				
Central Hospital at Kurnool	1,648	200	1,848	1,848
Office and Store at Sankarala	3,763	317	4,080	7
do do at Varkhiesher at Bowmanarry	172	65	237	237
Road and Bridges at Bowmanarry	3,868	491	4,359	4,359
Office and Store building at Valapianoor	3,226	55	3,281	3,281
do do at Chirad in Nagatvor	3,088	25	3,113	3,113
do do at Peggudil in do	177	-	177	177
do do at Chintagootah in Kunder	1,708	14	1,722	1,722
Total	17,650	1,167	18,817	7
Grand total	31,100	138,469	169,569	465

1167-2-2, consisting of the following items:
 Central Hospital with out houses and compound wall at Kurnool 199-4-7
 Office store house and workshop at Sontasala 316-6-
 Roads, Bridges &c at Bawanasey 491-13-2
 Office store room & artificer's shed at Bawanasey 65-6-4
 Office & store buildings at Valapamoor 55-4-7
 do do at Suppi 24-14-10
 do do at Chintagootah 14- - -

The following Abstract shows the expenditure on all works from the commencement to the close of the Quarter compared with the sanctioned estimates.

Works

Main Supply

1. Irrigation and Head works at Kurnool.
 2. do at Sontasala
 3. do at Sonaisweram
 4. Aqueduct across the river Hindri.
 5. Canal for 1 mile from the Head sluice of the Kurnool Irrigation
 6. South Main Canal 1st Section 17 1/4 miles
 7. do 2nd Section from 18 to 43 1/2 miles.
 8. do 3rd Section from 44 to 72 1/2 miles.
 9. do 4th Section from 73 to 91 miles.
 10. do 5th Section from 92 to 114 miles.
 11. do 6th Section from 115 to 143 3/8 miles

Distribution

1. Branch channels and sluices between the first 17 1/4 miles of 1st Section
 2. Irrigation channels and sluices for irrigating about 30000 acres between the River
 3. Distribution works at 6th Section in the Bawanasey Division

Buildings

1. Central Hospital without houses and compound wall at Kurnool
 2. Repairs to do
 3. Office store house and workshop at Sontasala
 4. Roads, Bridges &c at Bawanasey
 5. Office store room and artificer's shed at Bawanasey
 6. Improvement of the road approaching to the above buildings and repairing 2
 7. Repairing the above building at Bawanasey
 8. Converting the unfinished building intended for a Gun powder Manufactory
 9. into an Hospital at Bawanasey
 10. Office and store building at Valapamoor in the Bawanasey Division
 11. do do at Suppi in the Nagaloor Division
 12. do do at Puzgudi in the do
 13. do do at Chintagootah in Kurnool
 14. Office and Temporary shed at Ryaloor in do
 15. Quarters for Sub Assistant Engineer and Assistant Surveyor etc do
 16. Hospital and Apothecary's Residence at Sonaisweram
 17. Office Building at Sonaisweram
 18. Repairs to the District Office at Karafoor

Amount of the Estimate	Expenditure upto 30th April 1880	Cost in the Quarter ending 31st July 1880	Total Expenditure	Add amount transferred to this from other works	Deduct Refunds	Total Expenditure	Amount Available	Excess of Estimate
303,080	58,464	"	58,464	8,470	"	66,934	236,146	"
350,848	3,604,821	13,796	3,74,280	"	"	3,74,280	"	23,432
1,62,470	5,6821	2,627	59,448	"	9	59,439	1,03,031	"
2,46,030	2,49,844	8,329	2,58,173	"	"	2,58,173	"	12,143
65,000	49,211	"	49,211	"	"	49,211	15,789	"
85,677	7,87,002	33,462	8,20,464	22,479	"	8,42,943	13,834	"
1,91,671	16,68,303	1,95,922	18,64,225	7,272	324	18,71,173	45,644	"
95,296	94,919	11,874	10,68,140	"	458	10,67,682	"	11,471
384,434	2,70,111	19,909	2,90,020	102	21	2,90,101	94,333	"
2,35,850	14,9,669	19,247	1,68,916	102	90	1,68,928	6,692	"
55,861	1,66,212	35,748	2,01,960	"	"	2,01,960	35,650	"
60,32,779	4,76,832	4,47,981	5,21,301	38,425	902	5,25,082	4,93,249	15,029
5520	4433	56	4489	"	"	4489	1031	"
10,218	1376	217	1593	"	901	692	9526	"
10,000	"	27	27	901	"	928	9072	"
25,738	5809	300	6,109	901	901	6,109	19,629	"
2540	4188	200	4388	"	"	4388	"	1848
68	"	"	"	"	"	"	68	"
4000	7763	317	8080	"	7	8073	"	4073
"	3868	491	4359	"	"	4359	"	4359
7298	7470	65	7535	"	"	7535	"	237
578	25	"	25	"	"	25	553	"
168	"	"	"	"	"	"	168	"
427	12	"	12	"	"	12	415	"
1970	5196	55	5257	"	"	5257	"	3281
2444	5532	25	5557	"	"	5557	"	3113
3030	3207	"	3207	"	"	3207	"	177
3552	5260	14	5274	"	"	5274	"	1722
642	67	"	67	"	"	67	575	"
1236	697	"	697	"	"	697	539	"
2900	1567	"	1567	"	"	1567	1333	"
1470	1470	"	1470	"	"	1470	"	"
327	308	"	308	"	"	308	19	"
32,650	46,630	1167	47,797	"	7	47,790	3670	18810
60,91,167	48,17,759	4,49,448	52,67,207	39,326	1810	53,04,723	95,518	16,9104

Total

1880

Of this excess however the portion Rupees ¹⁷¹² 1147/19 on the 4th and 5th Sections has been nearly covered by the sanctioned advance of 1 lac. The excess on the Central Hospital Kurnool, Rupees 1840, has similarly been nearly adjusted by the supplemental sanction of Rupees 1640-5-4 and that on Roads and Bridges, Bomanaery, has been fully covered.

17. The following estimates were received from the Agent and submitted to Government during the quarter:-

1. Plans and estimate for certain temporary works required for the protection of the part of the Sontakala Aicut which was breached in last year ----- 3200-0-0
2. Supplemental estimate for the completion of the Hindry Aqueduct ----- 27277-0-0
3. Plans and estimates for 4 overseers quarters, store and workshop, and Clerks and pay office at Bomaiswarum ----- 4841-1-7
4. Supplemental revised estimate for the 20th mile of the Main Canal ----- 43932-0-0
5. Revised estimate for the Central Hospital at Kurnool ----- 4180-5-4
6. Estimate for an overseer's hut at do ----- 1244-13-3

Of these the first three received the sanction of Government during the quarter, together with another which was previously submitted, viz:
Estimates for the repairs of the Sontakala Aicut. Rs. ² 38162

e. 1572024 1865-02.176

Sir,
 Your most obedient servant,
 John Hamilton Capt. N.E.

Engr for Dr. H. C. Company.

[illegible]

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Dec 1865
 The Secretary to the
 Board of Directors
 of the
 New York
 and
 Erie
 Railroad
 Company
 New York
 City
 N.Y.

Dated 8th November 1865
 No. 11

I submit for the information
 of your honorable
 Board on the proposed
 made in the contract for
 purchase of a site &
 Canal Co during the
 winter ending 31 July 1855
 Wm. W. B.