

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2402-03	Press
-B.P.-No.		-Mis-
Dated	20-8	4875-195-

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
20th August 1875.*

No. 355. Read the following endorsement of the Officiating Chief Engineer, Public Works Department, dated Ootacamund, 12th August 1875, No. 917.
From Colonel F. J. MOBERLY, R.E., Superintending Engineer, Chingleput, to Major J. O. HASTED, R.E., Officiating Chief Engineer for Irrigation, dated Guindy, 5th July 1875, No. 1,742.

In continuation of my letters as per margin, I have the honor to forward the following estimates as a part of the revised estimate for the Chembrumbankum Project called for in G. O., No. 1,227, dated 1st May 1875, paragraph 2.

3 Estimates and Specification Reports and 1 data.	Rs. 6,410
3 Plans.	
No. 1,571, dated 22nd July 1875.	
" 1,572, " " " "	
Improving and extending Rooshee waste weir of Chembrumbankum tank.	Rs. 6,410
Constructing a water cushion to Thattar waste weir of do.	1,300
Do. of Ponniamen waste weir of do.	3,130

2. My object in sending these estimates of the project piecemeal is to obtain your approval beforehand as to the correctness and sufficiency of the designs, &c., and thus to avoid further calls for explanation and the consequent delay hereafter. On the expression of your approval, I will have a general abstract estimate of the project compiled and forwarded to you, together with the requisite comparative statement, if practicable, for submission to Government for sanction. I beg to say that due attention has been paid to your instructions in preparing the designs. You are aware that all these works are so important that their execution cannot be delayed without risk of injury in case of a heavy monsoon, and therefore require early sanction. I have only Rupees 8,000 left at my disposal out of the current year's Budget grant for this project.

AGRICULTURAL—ORDINARY—CAPITAL.

ABSTRACT ESTIMATE, No. 114 of 1875-76.

District, Chingleput; Taluk, Sydapett; Chembrumbankum Tank Project.

WORK.—Improving and extending the Rooshee Waste Weir of Chembrumbankum Tank.

Quantity.	Description of Charges.	Rate.			Per	Amount.			Total.
		RS.	A.	P.		RS.	A.	P.	
	<i>Extending Waste Weir.</i>								
196	Cubic yards of hard gravelly and stoney soil ...	0	4	0	C.yd.	49	0	0	
182	Do. of excavating upper strata of rock	0	12	0	"	136	8	0	
3,159	Do. of embankment of gravelly soil.	0	2	0	"	394	14	0	
3,159	Do. of tamping ...	0	0	3	"	49	5	9	
2,271	Square yards of turfling ...	0	0	6	S.yd.	70	15	6	
50	Cubic yards of dressed laterite stone in chunam ...	5	8	0	C.yd.	275	0	0	
16½	Do. of construction of old dressed do.	2	6	0	"	39	3	0	
581	Do. of new rubble stone in chunam.	3	4	0	"	1,888	4	0	
79½	Squares of pointing ...	2	0	0	Sqre.	158	8	0	
40½	Cubic yards of removal of old masonry ...	0	8	0	C.yd.	20	6	0	
	Cost of excavating trial pits to ascertain direction of rock ...					34	8	9	
	Cost of embanking, and strengthening bank along gap in extension of present south wing-wall before floods of October 1874 ...					74	3	0	
	Sundries, &c... ..					169	4	0	
	Total estimate ...								3,360

Proceedings of the Madras Government, Public Works Department,
20th August 1875.

AGRICULTURAL—ORDINARY—CAPITAL.

ABSTRACT ESTIMATE, No. 113 OF 1875-76.

District, Chingleput; Taluk, Sydapett.

WORK.—Constructing a Water Cushion to the Ponniamen Waste Weir of the Chembrumbau-
kum Tank.

Quantity.	Description of Charges.	Rate.	Per	Amount.	Total.
		RS. A. P.		RS. A. P.	RS.
821	Cubic yards of excavation of hard gravelly soil ...	0 4 0	Cyd.	205 4 0	
154	Do. of removal of old rough store.	0 3 0	"	23 14 0	
51	Do. do. do. brickwork ...	0 6 0	"	19 2 0	
421	Do. of concrete ...	3 8 0	"	1,473 8 0	
103	Do. of new rubble stone in chunam.	3 4 0	"	334 12 0	
180	Do. of do. for invert ...	3 8 0	"	630 0 0	
23	Do. of new rubble stone apron ...	1 4 0	"	35 0 0	
100	Do. of old do. do. ...	0 4 0	"	25 0 0	
53	Squares of rubbing down exposed surface of concrete ...	0 8 0	Sqre.	26 8 0	
	Baling out water ...			200 0 0	
	Sundries and superintendence at about 5 per cent. ...			152 0 0	
	Total of estimate ...				3,130

SUBMITTED TO Government.

Of the work reported as requiring to be done this year in connection with the Chembrumbaukum Tank Project:—

Item No. 1.—The necessity for the extension of the Koratur anicut was demonstrated by the floods of last October, and the work is in progress ... RS. 10,280

• 560 feet.

Item No. 2.—The extension* of the

Rooshee surplus weir of the tank cannot

prudently be postponed, *vide* the particulars of the requirements of this tank for the disposal of surplus given in paragraph 2 of memorandum in Proceedings of Madras Government, No. 2,011, of the 15th July 1875. The plan and estimate have been examined and the latter amounts to ... 3,360

Item No. 3.—Improvement of Ponniamen surplus weir. This will be a Capital charge as exceeding the limit for extensions and improvements under Revenue. The plan and estimate have been examined ... 3,130

Item No. 4.—Chowdrykal calingulah improvements ... 3,910
This work is referred to in paragraph 2 of the notes of inspection printed in Proceedings of Madras Government, 15th July 1875, No. 2,011. The Superintending Engineer has not yet given the information on which the required arrangements can be finally determined.

Item No. 5.—Improvements to the Kesaveram anicut and head of old Bungairoo. 8,330

The details of the arrangements required to obviate damage in the future are under discussion. Only part of the outlay will be chargeable to the Chembrumbaukum tank, and probably the expenditure on account of this project will not exceed 5,000 Rupees in the current year.

Proceedings of the Madras Government, Public Works Department,
20th August 1875.

Item No. 6.—Bridge on the Trunk Road, 20th mile ... RS. 2,499

The revised estimate for this was sanctioned in G. O., No. 1,706, 17th June 1875, and the work is in progress.

Altogether therefore the grant required for 1875-76 for this project will be —

Item No.	...	...	...	...	...	RS.
1	...	...	...	...	...	10,280
2	...	...	...	...	...	3,360
3	...	...	...	...	...	3,130
4, say	...	...	...	...	...	3,000
5	...	...	...	...	...	5,000
6	...	...	...	...	...	2,500

Total ... 27,270

against Rupees 28,000 provided in the Budget; but as the following transfers have been made to other works in connection with the orders of the Government of India on the Budget Estimates

In G.O., No. 1,227, dated 1st May 1875 (para. 2) ... RS. 20,000

the balance available is only Rupees 8,000 and an additional grant of Rupees 19,270 will be required.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Offg. Chief Engineer, P.W.D.

Nos. 356 & 357. ORDER THEREON, 20th August 1875, No. 2,402.

IRRIGATION, No. 23.

Account.

* G. O., No. 2,247, dated 4th August 1875.

† G. O., 15th July 1875, No. 2,011.

THE Government observe that the extension of the Koratur anicut on an estimate of Rupees 10,280* has been sanctioned; that the increase to the length of the Rooshee surplus weir of the Chembrumbaukum tank has been approved, and the work ordered to be carried out;† the estimate for this work is now reported to be Rupees 3,360 and is sanctioned.

The bridge on the Trunk Road 20th mile will also be completed on the revised estimate sanctioned in G. O., No. 1,706, of the 17th June 1875, as soon as possible. The work forming item No. 3 of the foregoing endorsement will probably not be taken up until after the monsoon, but funds will be needed for it within the year. The other works mentioned also do not admit of postponement though final orders cannot as yet be passed upon them.

2. Rupees 19,270 on account of this project will be included in the statement of demands under Agricultural Ordinary about to be submitted to the Government of India. In the meantime the works which have been sanctioned will be gone on with, and the others should be submitted for sanction as soon as possible.

3. It will be explained to the Government of India that after careful consideration it has not been found practicable to suspend work altogether on this project

and head of old Bungairoo.

Proceedings of the Madras Government, Public Works Department,
20th August 1875.

pending the submission of a revised estimate, but the latter must be completed at the earliest possible date.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

No. 358.

(DOCKET No. 2,403, dated 20th August 1875.)

COPY of the above forwarded to the Government of India, with reference to their orders, No. 99 A. I., dated 17th March 1875.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

Irrigation-

No. 917.

Enclosures

Submitted to Government.
of the work reported as requiring
to be done this year in connection
with the Chembarumbankam Tank project.

Item 1. the necessity for the extension
of the Korrur anicut was
demonstrated by the flood of
last October, and the work
is in progress. 10,280

x 560 feet

2. the extension of the Roshee sur-
plus weir of the tank cannot pro-
ceedably be postponed. vide the par-
ticulars of the requirements of this tank
for the disposal of surplus given in para-
2 of Memo in Pro. Madras Govt. No. 2011 of
the 15th July 1875. The plan and estimate
have been examined and the latter
amounts to Rs. 3,360.

3. Improvement of Purniamur sur-
plus weir. This will be a capital
charge, as exceeding the limit for exten-
sions and improvements under Revenue.
The plan and estimate have been examined. 3,130

4. Chowdysabai calingalabai improvements. 3,910
This work is referred to in para 2 of the notes of
inspection printed in Pro. Madras Govt. No. 15th July
1875, No. 2011. The Superintend. has not yet given
the information on which the required arrange-
ments can be finally determined.

5. Improvement of the Kesavaram anicut
and head of the Bungeirao. 8,330

The details of the arrangements required to obviate damage in the future are under discussion. Only part of the outlay will be chargeable to the Chemburumbantam tank, and probably the expenditure on account of this project will not exceed 5000 Rupees in the current year.

6. Bridge on the Trunk Road 20 miles
Rupees 2499.

The revised estimate for this was sanctioned in G. O. No. 1406-17 June 1875 and the work is in progress.

7. Altogether therefore the grant re-
for 1875-76 for this project will be

Item 1	Rupees 10,280.
" 2	" 3,360.
" 3	" 3,130.
" 4 say	" 3,000.
" 5	" 5,000.
" 6	" 2,500.
	<u>27,270</u>

against Rupees 28,000 provided in the Budget, but as the following transfers have been made to other works in connection with the orders

of the Government of India on the Budget estimates.

In G. O. No. 1227 dated 1st May 1875 Rs 20,000

the balance available is only Rs 8,000 and an additional grant of Rs 19,270 will be required.

1. 12/1/76
2. 12/1/76
3. 12/1/76
4. 12/1/76
5. 12/1/76
6. 12/1/76
7. 12/1/76
8. 12/1/76
9. 12/1/76
10. 12/1/76
11. 12/1/76
12. 12/1/76
13. 12/1/76
14. 12/1/76
15. 12/1/76
16. 12/1/76
17. 12/1/76
18. 12/1/76
19. 12/1/76
20. 12/1/76
21. 12/1/76
22. 12/1/76
23. 12/1/76
24. 12/1/76
25. 12/1/76
26. 12/1/76
27. 12/1/76
28. 12/1/76
29. 12/1/76
30. 12/1/76
31. 12/1/76
32. 12/1/76
33. 12/1/76
34. 12/1/76
35. 12/1/76
36. 12/1/76
37. 12/1/76
38. 12/1/76
39. 12/1/76
40. 12/1/76
41. 12/1/76
42. 12/1/76
43. 12/1/76
44. 12/1/76
45. 12/1/76
46. 12/1/76
47. 12/1/76
48. 12/1/76
49. 12/1/76
50. 12/1/76
51. 12/1/76
52. 12/1/76
53. 12/1/76
54. 12/1/76
55. 12/1/76
56. 12/1/76
57. 12/1/76
58. 12/1/76
59. 12/1/76
60. 12/1/76
61. 12/1/76
62. 12/1/76
63. 12/1/76
64. 12/1/76
65. 12/1/76
66. 12/1/76
67. 12/1/76
68. 12/1/76
69. 12/1/76
70. 12/1/76
71. 12/1/76
72. 12/1/76
73. 12/1/76
74. 12/1/76
75. 12/1/76
76. 12/1/76
77. 12/1/76
78. 12/1/76
79. 12/1/76
80. 12/1/76
81. 12/1/76
82. 12/1/76
83. 12/1/76
84. 12/1/76
85. 12/1/76
86. 12/1/76
87. 12/1/76
88. 12/1/76
89. 12/1/76
90. 12/1/76
91. 12/1/76
92. 12/1/76
93. 12/1/76
94. 12/1/76
95. 12/1/76
96. 12/1/76
97. 12/1/76
98. 12/1/76
99. 12/1/76
100. 12/1/76

1. 12/1/76
2. 12/1/76
3. 12/1/76
4. 12/1/76
5. 12/1/76
6. 12/1/76
7. 12/1/76
8. 12/1/76
9. 12/1/76
10. 12/1/76
11. 12/1/76
12. 12/1/76
13. 12/1/76
14. 12/1/76
15. 12/1/76
16. 12/1/76
17. 12/1/76
18. 12/1/76
19. 12/1/76
20. 12/1/76
21. 12/1/76
22. 12/1/76
23. 12/1/76
24. 12/1/76
25. 12/1/76
26. 12/1/76
27. 12/1/76
28. 12/1/76
29. 12/1/76
30. 12/1/76
31. 12/1/76
32. 12/1/76
33. 12/1/76
34. 12/1/76
35. 12/1/76
36. 12/1/76
37. 12/1/76
38. 12/1/76
39. 12/1/76
40. 12/1/76
41. 12/1/76
42. 12/1/76
43. 12/1/76
44. 12/1/76
45. 12/1/76
46. 12/1/76
47. 12/1/76
48. 12/1/76
49. 12/1/76
50. 12/1/76
51. 12/1/76
52. 12/1/76
53. 12/1/76
54. 12/1/76
55. 12/1/76
56. 12/1/76
57. 12/1/76
58. 12/1/76
59. 12/1/76
60. 12/1/76
61. 12/1/76
62. 12/1/76
63. 12/1/76
64. 12/1/76
65. 12/1/76
66. 12/1/76
67. 12/1/76
68. 12/1/76
69. 12/1/76
70. 12/1/76
71. 12/1/76
72. 12/1/76
73. 12/1/76
74. 12/1/76
75. 12/1/76
76. 12/1/76
77. 12/1/76
78. 12/1/76
79. 12/1/76
80. 12/1/76
81. 12/1/76
82. 12/1/76
83. 12/1/76
84. 12/1/76
85. 12/1/76
86. 12/1/76
87. 12/1/76
88. 12/1/76
89. 12/1/76
90. 12/1/76
91. 12/1/76
92. 12/1/76
93. 12/1/76
94. 12/1/76
95. 12/1/76
96. 12/1/76
97. 12/1/76
98. 12/1/76
99. 12/1/76
100. 12/1/76

G.O. 1 Aug 1875 No. 21.22
17 June 374-375

P. W. 1875 Dept.
No. 5439

From

The Offg. Chief
Engineers

Dated 12 Aug. 1875.
Recd. 24th in 1875.

G. O. No. 917.

~~From~~

Submitting letters
from the Supg. Engr. Chm.
Dept forwarding certain
estimates as a part of
the revised estimate
for the Chembra-
kam project.

Recd from 52343-25

N. 2402 S.P.B. ^{Dr. 9}
Proceedings of the Madras Govt. ^{Dr. 9}
Under date the 20th Aug 75
Read the following

From
The offg. Chief Engr. (H. E. No. 917 of 12th Aug 75)

G. O. No. 2247 of 4th Aug. 1875.

G. O. 16th July 1875, No. 2011

The Government
observe that the exten-
sion of the Koratur
canal on an estimate
of Rupees 10,280 has been
sanctioned; that the
increase in the length of
the Rooshee surplus
weir of the Chembra-
kam tank has
been approved, and the
work ordered to be car-
ried out; the estimate
for this work is now re-
ported to be Rupees 3360
and

and is sanctioned.

The bridge on the Trunk Road 20th mile will also be completed, on the revised estimate sanctioned in G.O. No. 1406 of the 17th June 1875, as soon as possible. The work forming item No. 3 of the foregoing endorsement will probably not be taken up until after the monsoon, but funds will be needed for it within the year. The other works mentioned also do not admit of postponement though final orders cannot as yet be passed upon them.

10 1/2
11 1/2
2. Rupees 19,270 on a/c
-count of this project will be included in the statement of demands under Agricultural Ordinance about to be submitted to the Government of India. In the meantime the works which have been sanctioned will be gone over with, and the others should be submitted for sanction as soon as possible.

3. It will be explained to the Government of India that after careful consideration it has not been found practicable to suspend work

altogether on this project
pending the submission
of a revised estimate, but
the latter must be com-
pleted at the earliest
possible date.

My. 17/8

(K.R. No. 2403 of 20 Aug/75)

Suppl. Estimate - 65-
of Sup. for Earth 7 inches
cont. M. W. 5
Office 17

Sc Disp - 14-9-75

Docket No. 2403 of 20 Aug/75

Copy of the above for-
warded to the Govt. India
with reference to their order
No. 99 A.I., dated 17 March
1875.

25 Sc Disp -

14-9-75

N 355/58

Recd from Govt. 23-8-75

Forwarding copy of
an endorsement of the
offg. Chief Engr.
submitting letter from
the Super: Engr.,
forwarding certain
estimates as a
part of the revised
estimate for the
Chembrumbakum
Project.

5439

Govt. of 1875, Madras.
PUBLIC WORKS.

To

*Supd. of
Public Works
Chennai*

Dated

Issued

Recd.

Encl.

G. O. No. 2402
2403

No. 355-357

358

Chembrenbarkum Project

Passing orders on Encl.
of the Offg. Chief
Engr. submitting
letter from the Super.
Engr. Chingleput, for
for approval certain
as a part of the revised
estimate for the