M.R.O. 1—77,006—3-6-37.

(1) Number of pages 22

(2) Date of repair 2. 5. 44

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 298	Press ~~Mis.~~
593-94	
Dated 1 - 1 -	187/.

Not to be folded or roughly handled

Proceedings of the Madras Government Public Works Department,
31st January 1871.

Read the following papers:—

No. 593. From the Superintending Engineer, 3rd Division, to the Chief Engineer for Irrigation, dated Camp at Mundicary, Adony Talook, Bellary, 13th December 1870, No. 260-B.:—

I HAVE the honour to forward, for sanction, the undermentioned estimates for certain masonry works in the Roya channel, under the Toongabuddra, in the Hospett Talook, Bellary District.

2. The roughs for these estimates, etc., with several others for improving another channel under the influence of the Toongabuddra, were prepared, before leaving the country, by Lieutenant Porter, late Executive Engineer, after a careful personal examination.

3. I trust that early sanction may be accorded so that the works may be completed before the 31st March next.

4. The balance under Minor New Works, Agricultural, from which these estimates will have to be sanctioned is about Rupees 2,355, or Rupees 895 less than the aggregate of the amount required. I therefore request that the balance may be made available by transfer from the allotment under this head in the Cuddapah District.

List of Estimates, etc.

I.—Plan, Survey Report, and Estimate amounting to Rupees 2,030, for constructing a waste weir.

II.—Plan, Report, and Estimate amounting to Rupees 1,220, for constructing a new body wall and wing walls to No. 1 under-sluice and waste weir.

No. 5.

Note by the Chief Engineer for Irrigation.

THE weir proposed to be built at 4½ miles on the Roya channel, at a cost of Rupees 2,030, appears, from the report accompanying the estimate, to be a necessary work. The foundations, as designed, are only 3 feet deep, which is a small depth for a work of this kind: the crest of the weir should be 3 feet wide instead of 2 feet; the front wings should have a convex instead of a concave curve; the crest of the weir should be flush with, instead of 6 inches above, full supply level, and the planks for the sluice vent should not project above the crest, but be flush with it. With these modifications the work may be sanctioned for execution.

2. The second estimate, Rupees 1,220, is for improving No. 1 under-sluice and waste weir on the same channel; the only modification required is the addition of 1 foot to the thickness of the base of the wing-walls, which are too slight.

3. These improvements can be carried out, as far as the funds at the disposal of the Superintending Engineer will allow, during the current year, and can be completed from the grant for Minor New Works Agricultural in 1871-72.

4th January 1871. (Signed) J. MULLINS, Major, R.E.,
Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department,
31st January 1871.

No. 594. ORDER THEREON, 31st January 1871, No. 298.

IRRIGATION, No. 29. SANCTIONED.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, 3rd Division.
" Chief Engineer for Irrigation.
" Controller of Public Works Accounts.

Exd. S. T. Augustin.

Report to Accompany Estimate for Constructing a New Body wall and Wing Walls to No 1 Under Sluice and waste Weir on the Royal (Vongalandoha) Channel.

1. Amount of Estimate Rupees 1220-0-0

2. The Under Sluice and waste weir is built with rough Stone only the front face being pointed with Chunam the building leaks through the pointing and also under foundations. The Estimate provides for Constructing a New Body and Face wall with brick in Chunam — length 82½ ft including Vent; Foundation will be 3 ft deep by 4 ft in height the wall above will be 8.5 ft high by 3 ft at bottom 2 ft at top — As the new body wall is in advance of present Face wall — New Side walls will be required to the Sluice Vent. these will be the same height as the body wall and face wall on the inner sides with cut Stone to prevent the rush of water cutting away the brick work.—

3. The present waste weir is not provided with

Superintending engineer C. W. D.

north wing walls the banks of the Channel on both sides are being washed away by floods.

The Estimate provides for Constructing a wing wall at both ends varying in height from 8 to 10 ft Average thickness 2 ft. The top of Wing Walls in front will be 3 ft above crest of body wall. The wing wall on east side of apron will slope 1 foot to the rear.

4.- The vent of Sluice will be floored with Granite Slabs and Slabs will also be laid above for a pathway.

5.-

The Estimate allows for filling in between new body wall and face wall of pres- ent waste weir with rough stone — Apron.

Kirkpatrick Range Office
Camp Kirkpatrick 1st Feb. 1890

A. R. Scott Turner
Assistant Engineer RE

Lieut Colonel RE
Supdg. Engineer 3rd Div.

Estimate

for

1880

D.W. 205/71

Estimate & Abstract

Plans &c

Report to accompany

Estimate for Constructing

a New Body wall, Lining

Walls to No 1 Under Sluice &

Waste weir on the Boya

& Yoongabuddra Channels

ABSTRACT ESTIMATE.

Bellary District.

Work — Constructing a New Body Wall, Lining Walls to No 1 Under Sluice and Waste Weir on the Boyah Yoongabuddra Channels.

Quantities.	Description of Work.	Rate.	Amount.	Amount of each part.
3823·62	6 pt Brickwork in Chunam @	" 3 6	836 6 8	
45·15	Coping Contracte @	" 2 6	7 " 10	
933.	8 pt Plastering with Chunam @	" 1 8	44 15 9	
140·25	6 pt Cat Stone facing to entrance of Under Sluice @	" 8 "	70 2 "	
96	8 Feet Granite Slabs @	" 4 "	24 " "	
3	Slabs @	3 4 "	9 " "	
95 22/29	Cubic yds of Rough stone @	1 " "	95 6 6	
121·8/9	" of Excavation @	" 3 "	22 6 8	1106 3 5
	Contingencies and Superintendence @	10 cent.		113 2 11
	Total Estimated Expenses			1221 " "

Hospet Range Office
Comp Hospet 14th October 1879
A.R.M.
R.R.B

W. R. Cornwallis
Assistant Engineer
Bellary District

Executive Engineer 3d Div.

Bellary District
Anicut & Range

Report to accompany Estimate for Constructing a Waste weir (at 4 1/2 mile) to the Rayah Channel from Tungabadra River.

1. Amount of Estimate Rupees 2030-4-0 Two thousand and thirty only.

2. The body wall of the waste weir will be 75 ft. in length. Average width 2.5 ft. height 4.75 ft. above foundations which will be sunk 3 ft. breadth being 4 ft. in Center of Body wall An opening 3 ft. in width will be left to act as an under Sluice which will be provided with Shutters. The wing walls in front of Body wall will be quadrants of 8 ft. radius at the outer Ends of which the wing walls will be Carried 10 ft. on lines parallel to Body wall. To these there will be returns walls also 10 ft. in length height of these walls will be 5.75 ft. by Average of 2.25 ft. thick on foundations 3 ft. Deep by 4 in width. walls of Similar Dimensions will be Carried back perpendicularly from front of body wall 8 ft. from whence they will open out towards the Rear 6 ft. height at Ends being 5 ft. (these walls will have Returns 10 ft. in length.) they will be Connected by a Returning wall 5 ft. in length by Average 2.5 ft. thick. In rear of Body wall (between it and returning walls) An apron of Rough Stone will be laid down. 16 ft. in width in the Center An opening for under Sluice will be left 3 ft. in width floor of which will be of Granite

Estimate Rupees 2030-4-0

Recommended

Rupees 2030-4-0

Sanctioned

Rupees 2030-4-0

Sanctioned

Rupees 2030-4-0

for Constructing a New Bridge Over Rayah Channel

Executive Engineer

Slabs laid on beds of Concrete 2 ft. in Dr:
pths. Beyonds Retaining wall Another Rough
Stone Apron will be placed Extending whole
Stone Apron will be placed Extending whole
length of wall (87 ft.) by 10 ft. in width 3' Deep

3. The waste weir will be built
with Stone in Chunam the Body and
retaining wall will be Coped with Granite
Slabs all exposed parts will be plastered
with Chunam.

4. The Estimate Provides for removing
So much of the Channel bank as is
required for a Site in which to Construct
the waste weir and for Excavating
an Escape Channel in rear 160 ft. in length
bottom width 20 ft. Slopes 2 to 1. Greatest
Depth of Cutting 2.70 ft.

5. The necessity for Constructing this
waste weir is Caused by a Large Anicut,
the Royal Kerra, flowing into the Channel
about 300 Yards above proposed Site.
in the flood waters of which Yearly Cause
breaches in the Channel bank and there
not being a waste weir to the Channel
between the 1/2 and 9th Miles and only
3 Under Sluices (2 of which are above
Site proposed for waste weir) which
are quite insufficient to discharge flood
waters it is Extremely advisable to
Construct the waste weir to prevent
Damage to the Channel.

S. Hitchcock Lieut. Col. R.E. R. A. Montserrat
Supt. Engineer 3rd Div. Assistant Engineer

No. 260.
B.

Superintending Engineer's Office.
3rd Division.
Camp Immidicary, Adony Taluk
Billary District.
The 13th December 1870.

From,
The Superintending Engineer
3rd Division.

To,
The Chief Engineer
for Irrigation
Madras.

Enclosures. 7.

Sir,

I have the honor to forward for sanction the undermentioned Estimate for certain masonry works in the Roya Channel, under the Toongabuddra in the Hospet Taluk, Bellary District.

2. The drgs for these Estimates &c, with general plans for improving another Channel under the influence of the Toongabuddra were prepared before leaving the [illegible] Divl Portion, by the Executive Engineer after a careful personal Examination.

3. I trust that early sanction may be accorded so that the works may be completed before the 31st March next.

28-12-70 227 8-12-70 71

Letter

28 Dec 70

P.W. 205/71

Dated 17th Octr 1870
Received 2 Novr 1870

Report to Accompany Estimate for Constructing a waste weir (at 4½ Chains) to the Royah Channel from Toongabadra River

Rs 24,...

4. The balance under Bunds New Works, Agricultural Farm which these Estimates are drawn to be sanctioned is about Rs. 2355 or Rs 895 less than the aggregate of the Amount required. It therefore requent that the balance may be made available by transfer from the Allotment under this head in the Cuddapah District.

Thanee Sea

L. Walker
Supdg. Engineer 3rd Dn

List of Estimates &c.

I. Plan Survey Report and Estimate amounting to Rupees 2030 for Constructing a Waste Weir.

II. Plan Report and Estimate Amounting to Rs. 1220 for Constructing a New body wall and Wing walls to No. 1. under Sluice and Waste Weir.

C.S. No. 178.

From,

The Superintending Engineer
3rd Division.

To,

The Chief Engineer
for Irrigation
Madras.

No. 260.
73.

Dated 15 December 1870.
Received

Submitting for sanction Estimate for Diversion Work in the Royal Channel.

178

ABSTRACT ESTIMATE.

Bellary District.
Hospett Range

Constructing a waste weir (at 4½ mile) to the Royal Channel from Pongabadra River in Hospett Taluq

Quantities.	Description of Work.	Rate.	Amount.	Amount of each part.
6077.37	Cft. Stone in Chunam. per Cft.	" 3 "	1139 8 1	
1482.25	Sqr ft. Pointing with Chunam. per Sqr.	2 8 "	47 " 11	
36.	Cft. Coping with Concrete to wing walls. Cft.	" 2 6	5 10 "	
477.5	Sqr ft. Granite Slabs. Sqr ft.	" 4 "	119 6 "	
140.	Cft. Beds Concrete under Talon of the Under Sluice. per. Cft.	" 2 6	21 4 "	
324.5	Cyds of Stone work. Cyds.	1 " "	324 5 "	
½ 67	Cft. Teak wood Cft.	5 " "	25 5 "	
3 65			18 4 "	
1101.38	Cyds Excavation. Cyds.	" 2 6	172 15	
			1843 6 "	
			1848 45	
	Sundries & Superintendence at 1 per Cent.		186 10 "	
			181 17	
	Total Estimate Rupees.		2030 " "	

W. Kimchambers
Capt. & Engineer 3rd D.

Hospett Range office
Camp Hospett
17th October 1870

W. Short Serjt
Assistant Engr.

Proceedings of the Madras Government, Public Works Department,
14th January 1871.

Read the following :—

No. 5.

No. *Note by the Chief Engineer for Irrigation.*

THE weir proposed to be built at 4½ miles on the Ryah channel, at a cost of Rupees 2,030, appears, from the report accompanying the estimate, to be a necessary work. The foundations, as designed, are only 3 feet deep, which is a small depth for a work of this kind: the crest of the weir should be 3 feet wide instead of 2 feet; the front wings should have a convex instead of a concave curve; the crest of the weir should be flush with, instead of 6 inches above, full supply level, and the planks for the sluice vent should not project above the crest, but be flush with it. With these modifications the work may be sanctioned for execution.

2. The second estimate, Rupees 1,220, is for improving No. 1 under-sluice and waste weir on the same channel; the only modification required is the addition of 1 foot to the thickness of the base of the wing-walls, which are too slight.

3. These improvements can be carried out, as far as the funds at the disposal of the Superintending Engineer will allow, during the current year, and can be completed from the grant for Minor New Works Agricultural in 1871-72.

4th January 1871. (Signed) J. MULLINS, Major, R.E.,
Chief Engineer for Irrigation.

P/W 1871 Dept
(S) No 205

From.

The Chief Engineer
for Irrigation

Dated 14th January/71
Recd: 16th } No: 5.
Enc: 8 Notes on the
estimate for masonry
works in the Royal
Channel under
the Irrongabudda
in the Hooghly
Taluk C. Bellary Dt.

No 298-31 Dept
Madras the 14/1/71

No 205 Dept
Irrigation
Madras the 14th January 1871

Submitting Estimate for masonry works in the Royal Channel under the Irrongabudda in the Hooghly Taluk C. Bellary Dt.

Sir,

I have the honor to submit herewith an Estimate for masonry works in the Royal Channel under the Irrongabudda in the Hooghly Taluk C. Bellary Dt. amounting to Rupees 2,226.

2. The Estimate is prepared in accordance with the Plan and Section No 1 and 2 submitted with my letter No 298 dated 31st December 1870.

3. Explanatory Notes on the Estimate are submitted herewith.

I have the honor to be
Sir
Your most obedient Servant
[illegible]
Executive Engineer
for Irrigation

25-5-27 [illegible]

6 18 Jany 1871 CR. 19 Jany

Ofc-205

Govt. of {1871} Madras.

PUBLIC WORKS.

To The Superintending Engr.
3rd Circle

Encl.
3 Plans

1st Copy 1871, No. 298.

Nos. 593-594

Rinja Channel - The tenders for masonry works on the Rinja Channel under the Tungabhadra in the Gadgatt taluq, Bellary Dt. scrutinised.