

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	1955	Press
B.P. No.		Mis.
Dated	21-7-	874
		195

Not to be folded or roughly handled

Read the following paper :—

No. 422-A.

No. 447. *Note by the Chief Engineer for Irrigation.*

THE accompanying statement is submitted for the information of Government, with reference to G. O., No. 155-A, of the 23rd January 1874.

2. The result of the employment of a Surveyor in obtaining the information necessary for the preparation of reliable estimates for Irrigation works is not satisfactory. With the exception of the work done for the Nundial tank, the survey charges are high, and a good deal of time appears to have been devoted by the Surveyor to the preparation of estimates, which is not the work for which his employment was sanctioned; estimates should be prepared from the information recorded by the Surveyor in either the District Engineer's or the Range Office.

3. That one month should have been spent on the Owk Tank (No. IV.) was not at all right; three or four days instead of twenty-two days should have sufficed for the Sirwel Nagala Tank (No. VI.); four or five days would have done for the Yadavadu tank supply channel (No. VII.); and a week instead of nearly a month for the four small tanks (Nos. VIII. to XI.).

4. Under the instructions conveyed in G. O., No. 581, of the 5th March 1874, survey establishments in connection with the repair of existing Irrigation works will be sanctioned by this office, and the requisite instructions* have been issued to District Engineers.

* Circular No 62.

OOTACAMUND,
19th June 1874.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

Statement showing the Works on which Mr. A. F. Nipps, temporary Surveyor, had been employed from 10th July 1873 to 31st March 1874, called for in G. O., No. 1554, dated 23rd January 1874.

Proceedings of the Madras Government, Public Works Department,
21st July 1874.

Nature of Work.	Aycent.	Assessment.	Actual cultivation.	Number of Days in which work was completed.	Cost of Survey Charges.	Amount of approximate Estimate.	Remarks.
I.—Nundial Tank ...	Acres. 1,025	RS. A. P. 9,840 0 0	Acres. 1,150	M. D. 4 2 3 15 Sick 0 17	RS. A. P. 445 4 1	RS. A. P. 95,000 0 0	Checking levels of cross sections taken by Mr. Francis of bund and seven cross sections across bed of large tank. Seven days reducing levels, etc., of bund taken by extra Overseer Francis and left unreduced by him. Plotted 34 cross sections of bund, and put on them the proposed work. Prepared one survey plan and the estimate, and also examined the sixteen contour plottings of the bed, and altered such portions of the bed wrongly plotted by extra Overseer Francis by order of the District Engineer.
II.—Surveying Rampur Pass Road with District Engineer	.....	.....	.....	0 4	15 1 1	.....	Taking flying levels near Ramakrishnapuram for fixing on the best line of country for the new road.
III.—Surveying part of famine relief road near Ovk.	.....	.....	.....	0 6	21 13 11	.....	Land out two miles of the famine relief road; took survey of the same; plotted and prepared the plans.
IV.—Taking sections and surveys of Ovk tank for building a new calingulah.	1,521	11,238 0 0	1,107	1 0	113 0 0	1,700 0 0	Prepared survey of portion of tank at outlet, showing a part of the new calingulah is proposed. One longitudinal section of the bed of the outlet. One longitudinal section of the existing calingulah and bund. Three cross sections across outlet. Three cross sections across existing calingulah. Ten cross sections of bund.
V.—Checking Irrigation Estimates, District Engineer's Office.	.....	.....	.....	0 15	56 8 0	.....	1—Detailed estimate, Cumbum tank. 2—Timmaya and Mallaya tank. 3—Gudipad small tank. 4—Gubbalur small tank, Cumbum range. 5—Siddi Reddipall tank, Cumbum range.
Do. other estimates ...	.....	.....	.....	0 8	29 2 7	.....	1—Markapur Tehsildar's Cutcherry. 2—Cumbum Cutcherry. 3—Cemetery at Cumbum. 4—Detailed estimate, Commissariat gotowus. 5—Detailed estimate, Nundial Police Station. 6—Estimate of Cuddupah road. 7—Jupad road. 8—Rampur Pass road survey estimate.
VI.—Sirvel Nundial Tank	220	1,041 0 0	220	0 23 Survey charges	80 3 1	3,000 0 0	1—Longitudinal section of bund, 2 miles 3 furlongs; 1 section of stream, 4½ furlongs; 38 cross sections, 3 miles 4 furlongs; plotted the above field work, put on the proposed work both on the longitudinal and cross sections, and prepared the estimate for the same.
VII.—Yadavada Tank Supply Channel.	35	192 0 0	33	0 22 Survey charges	88 11 4	3,000 0 0	Longitudinal section of bund, 1 mile 7¼ furlongs; 32 cross sections of bund, 2 miles 6½ furlongs; 1 longitudinal section of bed of supply channel, 1 mile 7 furlongs; 1 survey of supply channel, 1 mile 7 furlongs; 48 cross sections across channel and of the ancient across. Plotted the field work.

Proceedings of the Madras Government, Public Works Department,
21st July 1874.

VIII.—Chintala Tank ...	19	106 0 0	15	0 5	20 2 10 0 1 0	150 0 0	1 Longitudinal section of bund, ½ mile; 7 cross sections of bund, 4 furlongs. Plotted the above and put on the proposed work.
IX.—Radavaram Rangareddi Tank.	89	549 0 0	95	0 5	18 2 10 1 6 0	100 0 0	1 Longitudinal section of bund, 1 mile 1 furlong; 9 cross sections of bund. Plotted the same.
X.—Kondamayapalle Razu Tank.	272	2,008 0 0	276	0 9	32 13 2 3 4 0	300 0 0	1 Longitudinal section of the bund, 1 mile 2 furlongs; 26 cross sections of the bund, 2 miles, and plotted the field work.
XI.—Chinnakambalur Kola-chervu.	189	1,120 0 0	204	0 9	32 13 2 2 4 0	500 0 0	1 Longitudinal section of the bund, 1 mile 2 furlongs; 26 cross sections of bund, 2 miles. Plotted the same and put on the proposed work.
				S 17	953 12 1 1 1 0		

VELDURTI,
11th June 1874.

(Signed) R. F. TAYLOR, Captain,
Acting District Engineer, Karnool.

*Proceedings of the Madras Government, Public Works Department,
21st July 1874.*

No. 418.

ORDER THEREON, 21st July 1874, No. 1,955.

IRRIGATION, No. 38.

ORDERED to be recorded.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

To the District Engineer, Kurnool.
.. Chief Engineer for Irrigation.
.. Officiating Controller of Public Works Accounts.

Exd. E. C. Shunker.
Spare Copies

Statement showing the works on which Mr. A. F. Nipps temporary Surveyor had been employed from 10th July 1873 to 31st March 1874 called for in G.O. No. 156A dated 23rd January 1874.

Nature of Work	Assess Actual ment Cultivation	Days which were completed	Cost of Survey Charges	Amount of appropriate estimate
I Nandial Tank	Assess R. M. Assess M. D. 1025 9840 - 1180 4-2 3-15 Sick-17	4454	19500.	
II Surveying Ramapur Road with District Engineer		0-4	15 11	
III - D:- part of famine Relief road near Ouh.		0-6	21 13 11	
IV Taking sections and Surveys of Ouh Tank for building a new Kalingula	1531 11238	1107	1-0 113	1700

Remarks.

Checking levels of Cross sections taken by Mr. Francis of bund and 7 Cross sections across bed of large tank. 7 days reducing levels of bund taken by Extra Overseer Francis and left unreduced by him. Plotted 84 Cross sections of bund and put on them the proposed work. Prepared and Survey plan and the estimate and also examined the 16 Contour plottings of the bed and altered such portions of the bed wrongly plotted by Extra Overseer Francis by order of the District Engineer.

Taking flying levels near Ramakrishnapuram for fixing on the best line of country for the new road.

Laid out 2 miles of the Famine Relief Road, took Survey of the same, plotted and prepared the plans.

Prepared Survey of portion of Tank at Outlet showing a part of the outlet. One longitudinal section across the site where a new Kalingula is proposed. One longitudinal section of the bed of the outlet. One

Statement showing the works on which Mr. A. F. Nipps temporary Surveyor had been employed from 10th July 1873 to 31st March 1874 called for in G.O. No. 156A dated 23rd January 1874.

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Statement showing the works in which Mr. A. F. Nipps temporary Surveyor had been employed from 10th July 1873 to 31st March 1874 called for in G.O. No. 1551 dated 23 January 1874.

Nature of Work	Assessment	Actual Cultivation	Part of day on which work was completed	Cost of Survey	Charges	Amount of appropriate estimate	Remarks	on of G.O. 1874	
V. Checking Irrigation Estimates District Engineers Office.							longitudinal section of the existing kalingula and bund. 3 cross sections across outlet. 3 cross sections across existing kalingula 10 cross sections of bund.	ment of the pre-ates	
Do other Estimates							1 Detailed Estimate Cumham Tank. 2. Simmaga and Malaya Tank 3. Gudipad Small Tank. 4. Gulhalur Small Tank Cumham Range. 5. Siddi Keddipalle Tank Cumham Range.	on of various are	
							1. Markapur Tahsildar's Cutchery. 2. Cumham Cutchery. 3. Cemetery at Cumham. 4. Detailed estimate commissariat godowns. 5. Detailed Estimate Mandial Police Station. 6. Estimate of Cuddapa road. 7. Jupad road. 8. Rampur Pass Road Survey estimate.	l. of been to nates for was should infor- te sur- tract	
VI Sireel Nagala Tank	220	1041	220	0-22	80	31	3000	1 Longitudinal section of bund 2 miles 3 furlongs. 1 Section of stream 4 1/2 furlongs, 38 cross sections 3 miles 4 furlongs. Plotted the above field work put on the proposed work both on the longitudinal and cross sections and prepared the estimate for the same.	office should have been
VII Yadavada tank Supply Channel.	35	192	33	0-22	88	114	3000	Longitudinal section of bund 1 mile 7 1/2 furlongs 32 cross sections of bund 2 miles 6 1/2 furlongs 1 longitudinal section of bed of supply channel 1 mile 7 furlongs; 1 Survey of Supply Channel 1 mile 7 furlongs.	

Statement showing the works in which Mr. A. F. Nipps temporary Surveyor had been employed from 10th July 1873 to 31st March 1874 called for in G.O. No. 155A dated 23 January 1874.

Nature of Work	Assessment	Actual Cultivation	Area of land which was completed	Cost of Survey	Charges	Amount of appropriation	Remarks	
VIII Chintala Saut	19	106	15	0-5	20	210	150	48 Cross Sections across Channel and of the anikat across. Plotted the field work.
IX Rudravaram Rangaraddi Saut	89	549	95	5	18	210	100	1 Longitudinal Section of bund 1/2 mile; 7 Cross Sections of bund 1/2 furlongs. Plotted the above and put on the proposed work.
X Kondamayaipally Chimmarazu Saut	272	2008	276	0-9	32	132	300	1 Longitudinal Section of bund 1 mile 1 furlong; 9 cross sections of bund. Plotted the same.
XI Chinnakam- balur Kottachem	189	1120	204	0-9	32	132	500	1 Longitudinal section of the bund 1 mile 2 furlongs; 26 Cross sections of the bund 2 miles and plotted the field work.
District Engineer's Office Veldurti 11th June 1874							One Longitudinal Section of the bund 1 mile 2 furlongs; 26 Cross Sections of bund 2 miles; plotted the same and put on the proposed work.	
Comptd. [Signature]							J. F. Nipps Captain Sd District Engineer	

(114,355) N 4222A.
 Note by the Chief Engineer for Irrigation

The accompanying statement is submitted for the information of Government with reference to G.O. N 755A of the 23rd January 1874.

2. The result of the employment of 2^d surveyors in obtaining the information necessary for the preparation of reliable estimates for irrigation works is not satisfactory - With the exception of the work done for the Kandial Tank, the survey charges are high, and a good deal of time appears to have been devoted by the surveyors to the preparation of estimates, which is not the work for which his employment was sanctioned. Estimates should be prepared from the information recorded by the Surveyor in either the District Engineer's or the Panch Office.

3. That one month should have been

26 N 41088
 From, Chief District Engineer
 Chinnai

The Chief Engineer,
 for Irrigation, Madras

Dated 11th
 Decr 15th Decr 1874

Statement showing the
 works on which Messrs. F. & J. P. & Co.
 temporary surveyors had
 been employed from 10th July
 1873 to 31st March 1874 & the
 for in J.O. N 15574 dated 28th

January 1874.
 N 39 661/74
 16. 2. 28 Feb 1874
 18. 12. 24 4

been spent on the ~~Datta~~ Tank (No IV) was not at all right; 3 or 4 days instead of 22 days should have sufficed for the Firwell to gala Tank (No VI); 4 or 5 days would have done for the Yadevadar tank supply channel (No VII); and a week instead of nearly a month for the 4 small tanks (Nos VIII to XI).

4. Under the instructions conveyed in G.O. No 587 of the 5th March, 1874, survey establishments in connection with the repair of existing irrigation works will be sanctioned by this office, and the requisite instructions have been issued to District Engineers.

Ostacum *Wendlandii* Stoll & K.
19 June 1896. Chiefly for migration

The Secretary to Govt. M.O.

98-1721-11-9
10/10/10

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The first of
 the year
 1871
 1871
 1871

[The handwriting is extremely faint and illegible.]

1744-1745

P. W. 1874 Sept.
No: 3956

From

The Chief Engr.
for Irrigation
No 422 N.

Id 19 June 1874
Rd 29 June 1874

E. I.

Submitting
a Statement of the
work done in the
Kurnool District by
Surveyor Mr. Nipps
and his establishment
from July 1873 to the
end of March 1874.

B. No 447

R. 29 June 74

Public Works Dept
Proceedings of the Madras Government
Read the following
From the Chief Engr.
Kurnool (PB & Co - 27 June 1874)
to Chief Engr. for Madras (PB & Co - 27 June 1874)
1955-56 17

Ordered to be
recorded

27/6/74

20/6/74
C.M.R.

34
4

5- To the D. R. Kurnool ✓
5- Chief Engr. for Madras ✓
5- Controller Madras ✓

Spec. Copies sent 30-7-74

