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(2) Date of repair ______

(3) Initials of the Referencer ______

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. / B.P. No. 2130-2130A. Press / Mis.

Dated 26-7-1875

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
26th July 1875.

Read again Proceedings of the Madras Government, No 1,280, dated 5th May 1875.

No 660 Read also the following letter from R. SMITH, Esq, Officiating Superintending Engineer, Nellore, to Major J. O HASTED, R E, Officiating Chief Engineer for Irrigation, dated Nellore, 26th June 1875, No 32 —

As directed in paragraph 4 of G. O, No 2,492, dated 3rd September 1874, I have the honor to annex the information called for regarding the revenue derived from the land required for the Sungum Project, and to explain that, after consulting some of the Revenue Officials, I thought it advisable to wait a little and submit a correct, instead of the approximate, statement promised in my letter, No. 15, dated 18th May 1875 The officials referred to rendered me every assistance, and enabled me to prepare the subjoined carefully-ascertained return

Statement showing the Area and Assessment of the Land that will be occupied by the Channels and all Subsidiary Works connected with the Sungum Project

OCCUPIED LAND			UNOCCUPIED LAND.			Remarks
Description of Land	Area in Acres.	Assessment	Description of Land	Area in Acres.	Assessment	
		RS A P			RS A P	
Wet	3947 48	17,416 10 3	Wet	263 92	1,308 6 1	Service Inams.
Dry	507 91	542 6 6	Dry	55 41	53 3 1	
Wet	200 46	1,763 6 9				
Dry	29 20	80 6 5				
Total .	8775 02	19,757 13 11		319 33	1,361 9 2	

2. Adverting to paragraph 9 of the Government Order under reference, I beg to report that I allowed Rupees 49,820 for special plant in the estimate submitted by me for the Sungum scheme, and that I consider an additional grant of Rupees 32,850 would cover all other demands under the head of "Tools and Plant"

3. The total sum, Rupees 82,670, is practically equivalent to 5 per cent on the under-mentioned estimates, with the exceptions of the items for compensation and sundries; and to 2 per cent on the *totals* of the estimates for the other sections of the project —

I.—Anicut and head works

II.—Main feeder.

III.—Kanigherry reservoir.

ORDER THEREON, 26th July 1875, No. 2,130

No 661.

IRRIGATION, No 64.

THE points remaining unsettled regarding the Sungum Project when the Order, No. 2,492, of the 3rd September 1874, was passed were—

1st—Whether Inamdars should be required to pay a water-rate for the advantages that would be conferred upon them by the carrying out of the project

2ndly—The amount of revenue which will be lost by taking up lands for the project

3rdly.—To the above in consequence of a reference made by the Collector of Nellore was added the further question whether the lands in the beds of tanks superseded by the project could be disposed of as proposed, the proceeds being credited to the scheme

2 The first and third points have been finally decided in G O., R. D, 7th April 1875, No. 550, in which it has been ruled, after full consideration, that Inams classed as irrigated can be charged a water-rate only in those cases in which water for a second crop may be taken for single crop lands It has been shown moreover that, had the decision been otherwise, the result would have exercised no material influence on the financial prospects of the project. The extent of Inam land, which may possibly pay a water-rate for 2nd crop, has not been stated, but its determination is clearly of but little consequence, and, if ascertained, it would still be doubtful how far the option of taking water would be availed of. With regard to the value of lands in superseded tank beds, it has been ruled that the State has a right to dispose of them, but it has been considered proper to rule that one-fourth of the sale proceeds shall be reserved and devoted to the village roads within the limits of the particular village concerned. The value of such lands being estimated at Rupees 1,72,825, one-fourth will amount to Rupees 43,206, which sum will have to be taken out of the deduction on this account formerly made.

3. With regard to the assessment of lands to be taken up for the project, the Officiating Superintending Engineer, in the letter recorded in these Proceedings, shows that the land consists of—

		Rs
3,775 acres	occupied and assessed at	19,758
319 „	unoccupied do	1,362
	Total ..	21,120

If the occupied land alone be considered, the capitalized assessment at 4 per cent. will amount to Rupees 4,93,950, while, if the unoccupied land also be taken into account, the amount will be Rupees 5,28,000

4 Mr. R. Smith also reports that Rupees 49,820 have already been allowed in the estimates for special plant, and that Rupees 32,850 should be added to cover all other demands under this head

5. Revising the total of the estimate with reference to the information above given, this will become as follows .—

Paragraph 8 of G O, 3rd September 1874, No 2,492, less Rupees 49,820 for special plant.

		Rs
Works		24,33,805
Establishments 25 per cent		6,08,451
Tools and Plant	49,820	
Do ..	32,850	
		82,670
		31,24,926
Preliminary expenses		51,130
Capitalized assessment of lands to be taken up		5,28,000
		37,04,056
Value of lands in beds of tanks	1,72,825	
Deduct one-fourth for village roads	43,206	
		1,29,619
		35,74,437
Estimated cost of project, say		35,75,000

---

6. The gross and net revenue have been already estimated at Rupees 2,38,000 and Rupees 1,87,745, respectively, and the latter represents a return of 5 25 per cent on the above total estimated cost of the project. With regard to the rate of growth at which it is expected that the present revenue of Rupees 69,000 from the lands affected by the project will increase to the total of Rupees 2,38,000, on which subject information has been asked for by the Government of India in paragraph 2 of the letter of the 28th October 1874, No. 633-I, the Honorable the Governor in Council is of opinion that it is impracticable to offer a reliable opinion; but judging from the spread of irrigation in the Southern Delta under the Pennair anicut at Nellore, and to the correspondence between the circumstances of the tracts of country north and south of the river, it appears to be safe to assume that for the lands on the former side water will be taken as readily as under the works recently constructed on the south, and that irrigation will spread as rapidly as the water-supply is increased and made available.

G O, No 2,492, dated 3rd September 1874, paragraph 7

Proceedings, Madras Government, No. 3,496, dated 12th December 1874

7. Ordered that the following letter be sent .—

(Here enter No. 2,130-A, dated 26th July 1875)

(True Extract.)

Major, R.E ,
Offg. Joint Secretary to Government.

To the District Engineer, Nellore
„ Chief Engineer for Irrigation
„ Revenue Department

Exd A Grubert

Spare Copies

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, 26*th July* 1875.

No. 661-A

No 2,130-A.

FROM

MAJOR J. O. HASTED, R E,
Officiating Joint Secretary to the Government of Madras,
Public Works Department,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department

IRRIGATION, No. 64-A.

SIR,—In continuation of my letter, No. 2,493, of the 3rd September last, and with reference to the Deputy Secretary's letter, No. 633-I, of the 28th October 1874, I am directed to transmit, for the information of the Government of India, a copy of the Proceedings as per margin of this Government containing a revised estimate of the probable cost of the Sungum Project drawn up in accordance with the instructions received, and to request that final orders on this project may be passed as soon as may be convenient It will be seen that the estimated total cost is Rupees 35,75,000, the net return Rupees 1,87,745, equivalent to 5¼ per cent.

No 2,130, dated 26th July 1375

2. I am to add that, if the project be not carried out, it will be necessary to incur a large outlay on the repair and improvement of the existing works, which for the last twenty years nearly have had but little beyond emergent work done to them, lest money should be wasted upon work which would be superseded by the scheme for the complete irrigation of this tract of country by turning to the best account the water-supply available I am likewise to state, with reference to the remarks of the Chief Engineer for Irrigation in paragraph 13 of his Note, printed in Proceedings, Madras Government, of the 28th July 1870, No. 1,818, that it is believed that the estimates of works of this project will be found capable of reduction when that final revision of details, which must always in a large project be effected in executing a scheme of magnitude, comes to be carried out.

I have the honor to be,
Sir,
Your most obedient servant,

Major, R.E,
Offg. Joint Secretary to Government.

Exd A Grubert

Spare Copies

No. 32 Superintending Engineer's Office.
Nellore 26th June 1875.

From. R. Smith Esquire.
Offg. Superintending Engineer
Nellore

To. Major J. O. Hasted R.E.
Offg. Chief Engineer for
Irrigation
Fort St. George

Sir,

As directed in paragraph 4 of G.O. No. 2492 dated 3rd September 1874, I have the honor to annex the information called for, regarding the revenue derived from the land required for the Sangam project, and to explain that, after consulting some of the Revenue Officials, I thought it advisable to wait a little and submit a correct, instead of the approximate, statement promised in my letter No. 15 dated 18th May 1875. The Officials referred to, rendered me every assistance and enabled me to prepare the subjoined carefully ascertained returns.

Statement showing the area, and assessment, of the land that will be occupied by the Channels and all subsidiary Works, connected with the Sangam Project.

Occupied land			Unoccupied land			Remarks
Description of land	Area in acres	Assessment Rs. A. P.	Description of land	Area in acres	Assessment Rs. A. P.	
Wet	2947.28	15416 10 3	Wet	263.92	1308 6 1	
Dry	507.91	522 6 6	Dry	55.41	53 3 1	
Wet	290.45	1765 6 9				Service Inams
Dry	29.20	33 6 5				
Total	3775.12	17757 13 11		319.33	1361 9 2	

2. Adverting to paragraph 7 of the G.O. under reference, I beg to report that, I allowed Rs. 49,820 for Special Plant in the Estimate submitted by me for the Sangam Scheme, and that I consider an additional grant of Rs. 32,850 would cover all other demands under the head of "Tools and Plant".

3. The total sum - Rs. 82,670 - is practically equivalent to 5 per cent on the undermentioned Estimates, with the exceptions of the items for compensation and Sundries; and to 2 per cent on the totals of the Estimates for the other

Sections of the Project.

I Anicut and Head Works.
II Main Feeder.
III Kanigherry Reservoir.

I have the honor to be,
Sir,
Your Most Obedient Servant

Offg. Superintending Engineer.

Public Works Dept.

Government
Pro: of the
No 1280
1875.
the follg

(1st June 1875)

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project
No 2492
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me.

1st whether Zemindars should be required to pay a water rate for the advantages that would be conferred upon them

Sections of the Project.

I Anicut and Head Works.

II Ma

III Ka

G.O. 3rd Septr/74 Nos 53 & 55
" 5 May/75 " 124-125
" 12 Decr/74 " 248 249
~~[illegible]~~
" 19 Mar/74 " 528-530
" 1st Decr/73 " 18-19
" 13 Augt/73 " 209-211
" 9 Jany/73 " 133-134
" 18 Mar/71 " 465-466
" 19 June/72 " 308-309
Letter C.E. Bellary No 338 d/ 31 Mar/72
Min GO No 34 d/ 4 June/75
Memo No 14 d/ 18 Jany/60
GO 28 July/70 Nos 441-442

P. W. Dept

From
The Offg Superintg
Engineer Nellore

No: 4780

To
The Offg Chief
Engineer for Irrigation
Fort St George

Dated 26th June 1875
Recd 30th
Recd 23 July
No 32

G.O. 26th July/75 No 2130
Furnishes the information called for regarding the revenue derived from the land required for the Sangam Project

Re Ltr 16-7-75 D.S 21-7-75
Ar 7-7-75 Rtd 11/7/75
O.L. Sheet 4 July

Public Works Dept.

Proceedings of the Madras Government

Read again Pro. of the Madras Govt. No 1280 dated 5th May 1875.

Read also the following

From
The Offg Supg Engr Nellore } (L. No 32 d/ 26th June 1875)

G O No 2130 of 26th July/75.

The points remaining unsettled regarding the Sangam project when the order No 2492 of the 3rd September 1874 was passed were.

1st whether Zamindars should be required to pay a water rate for the advantages that would be conferred upon them by the carrying out of the project:

2ndly the amount of revenue which will be lost by taking up lands for the project

3rdly To the above in consequence of a reference made by the Collector of Nellore was added the further question whether the lands in the beds of tanks superseded by the project could be disposed of as proposed, the proceeds being credited to the scheme.

2. The first and third points have been finally decided in G.O. R.D. 7th April 1875, No. 550. in

~~I think that I recorded a~~
~~minute of His Excel:~~
~~(Hobart i/c the Rev Dept:)~~
~~has this been commun:~~
~~to the D.P.W. & has it appeared~~
~~on the Pro: - D.P.W. Govt~~
~~to Gov. of I.~~ WH
17/7

in which it has been ruled after full consideration that Inams classed as irrigated can be charged a water rate only in those cases in which water for a second crop may be taken for single crop lands. It has been shown moreover that had the decision been otherwise, the result would have exercised no material influence on the financial prospects of the project. The extent of Inam land which may possibly pay a water rate for 2nd crop has not been stated but its determination is clearly of but little consequence, and if ascertained it would still be doubtful how far the option of taking water would be availed of. With regard to the value of lands in superseded tank beds it has been ruled that the State has a right to dispose of them, but it has been considered proper to rule that one fourth of the sale proceeds shall be reserved and devoted to the village roads within the limits of the particular village concerned. The value of such lands being estimated at Rs 172,825, one

fourth

fourth will amount to Rs 43,206 which sum will have to be taken out of the deduction on this account formerly made.

3. With regard to the assessment of lands to be taken up for the project, the Offg Supdg. Engineer in the letter recorded in these Proceedings shows that the land consists of

5773 acres, occupied & assessed at Rs 19,758
319 " unoccupied do — 1,362
Total Rupees 21,120

If the occupied land alone be considered the capitalized assessment at 4 per cent will amount to Rs 493,950 while if the unoccupied land also be taken into account the amount will be Rs 5,28,000.

4. Mr R. Smith also reports that Rupees 49,820 have already been allowed in the estimates for special plant, and that Rupees 32,850 should be added to cover all other demands under this head.

5. Revising the total of the estimate with reference to the information above given, this will become as follows:

Works

7

Para 3 of G.O. 3rd Sept 1870 No 2492 less Rs 49,820 for special plant

Works	—	Rs 24,33,805
Establishments 25 per cent		6,08,451
Tools & Plant	49,820 32,850	82,670
		31,24,926
Preliminary expenses		51,130
Capitalized assessment of lands to be taken up		5,28,000
		37,04,056
Value of lands included in value of lands Rs 1,73,825 deduct one fourth for village sites	43,206	1,29,619
		35,74,437

Estimated cost of project say Rupees 35,75,000

G.O. No 2492 of 3rd Sept 1870 Para 7

6. The gross and net revenue have been already estimated at Rs 2,38,000 and Rs 1,87,745 respectively and the latter represents a return of 5.25 per cent on the above total

estimated cost of the project. With regard to the rate of growth at which it is expected that the present revenue of Rupees 89,000 from the lands affected by the project will increase to the total of Rs 238,000, on which subject information has been asked for by the Govt of India in para 2 of the letter of the 28th October 1874 No. 833 I, the Hon'ble the Governor in Council is of opinion that it is impracticable to offer a reliable opinion, but judging from the spread of irrigation in the

Southern

Pro: Madras Govt No 3496
dated 12th Decr 1874

Southern Delta under the Pennair Anicut at Nellore, and to the correspondence between the circumstances of the tracts of country North and South of the river, it appears to be safe to assume that for the lands on the former side water will be taken as readily as under the works recently constructed on the South, and that irrigation will spread as rapidly as the water supply is increased and made available.

Ordered that

7.

the following letter

be

SC [illegible] 16-8-75

[illegible] — 6
[illegible] — 5
[illegible]
[illegible] — 2
[illegible] — 1
[illegible] — 1
[illegible] — 1

2 SC
(Desp)
11-5-75

be sent

(H.C. No. 1304 dated 26+
page 175

To,
The Secy. to the Govt. of India
Public Works Dept.

Sir,

In continuation of my letter No. 2493 of the 3rd September last and with reference to the Deputy Secretary's letter No. 633 I of the 28th October 1874, I am directed to transmit for the information of the Govt. of India a copy of the Proceedings,

as

No. dated

as per margin, of this Govt. containing a revised estimate of the probable cost of the Lungun project drawn up in accordance with the instructions received, and to request that final orders on this project may be passed as soon as may be convenient.

It will be seen that the estimated total cost is Rs 35,75,000, the net return Rs 1,87,725, equivalent to 5¼ per cent.

2. I am to add that if the project be not carried into

it will be necessary to incur a large outlay on the repair and improvement of the existing works, which for the last 20 years nearly have had but little beyond emergent work done to them lest money should be wasted upon work which would be superseded by the scheme for the complete irrigation of this tract of country by turning to the best account the water supply available - I am likewise to state with reference to the remarks of the Chief Engineer for Irrigation in para

18

18 of his note printed in Proceedings Madras Govt of the 25th July 1870, No 1818, that it is believed that the estimates of works of this project will be found capable of reduction when that final revision of details which must always in a large project be effected in executing a scheme of magnitude comes to be carried out.

13

6/8 Se 7 86 No 2130 +
No 2130 A
D/D - 10-8-75

Sl No. 4/180

Govt. of 1875 Madras

PUBLIC WORKS.

Complies [illegible] the
public [illegible]
Endt. [illegible] of the
Ex. Engr. Nellore
No. 18
Dty. Supdt. of Madras

Dated [illegible]

Issued

Recd. Encl.

G. O. 26 Jany. No. 2130
2130 A

Nos. 661
661A

~~Sangam Project in~~
Nellore Dt. Passing on a
letter from the Ex. Engr. convey-
ing certain information called
for regarding the revenue
derived from the land required
for the —.

Issue [illegible]