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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2576	Press
B.P. No.		Mis.
Dated	27-9-	1876 195-

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
27th September 1876. No. 2,576.

Read the following —

No 194-W.

Note by the Chief Engineer for Irrigation.

The following estimates from the Wallajah Range are forwarded by the District Engineer, North Arcot, with his letter. No 3,909, dated 16th February 1876 marginally noted —

Taluq	Estimate No 1875 76	Work	Amount.
Wallajah	43	Narayan Tangle	RS 1,570
Do	54 and 55	Pillanjee Tank	1,200
Do	58 and 59	Culput do	815

2 The financial and hydraulic details of the Irrigation Works concerned are exhibited in the following statement —

ORDINARY AGRICULTURAL WORKS

I—Financial Details

Name of Work	Ayacut Area	Assessment	Average Revenue for 5 years	Highest Revenue for 5 years	OUTLAY			
					During the previous 4 years	PROPOSED		
						Original Works	Repairs	Total
Narayan Tangle	ACRES 134	RS 418	RS 102	RS	RS 139	RS 640	RS 930	RS 1,570
Pillanjee Tank	50	210	290		Not known	210	990	1,200
Culput do.	70	312	272		Do	245	570	815

II—Hydraulic Details.

Name of Work.	Catchment Basin Area	MAXIMUM SUPPLY		LENGTH OF ESCAPE		AVERAGE HEIGHT OF BUND		Surplus discharged at M.T.L per Second	Tanks above
		Catchment per Second	Channels per Second	Total	Effective	Above F.T.L	Above M.T.L		
Narayan Tangle	SQ. M 25	C.FT. 1,296	C.FT.	FT F 50 W 136 Nil	FT Not known 136 Nil	FT 2 80 4 25 1 95	FT 80 2 25 0 0	C.FT. 0 0 1,292 4 0 0	NO. 2
Pillanjee Tank	1	562		E 54 E 50	54 60	4 50 3 33	2 50 1 35	432 316 7	Not stated
Culput do	15	737		E 72	72	4 50	2 50	576	Do.

NOTE.—The proposed dimensions of escapes and heights of bund are printed in large type. The existing dimensions in small type. The following abbreviations are used.—C—Calingulih with dam stones. W—Weir with flush crest. E—Escape at ground level. B—Bund of tank.

3. The following is a summary of the work proposed to be carried out in each case —

Narayan Tangle.—Closing the breaches, raising the bund, turfing and constructing a masonry weir. The wings of the weir (18 inches) are somewhat slight; they should

Proceedings of the Madras Government, Public Works Department,
27th September 1876. No 2,576.

be increased to 2 feet at base to the junction of rear return. The returns should be 7 instead of 5 feet in length to afford room for the slope. The rear retaining wall should be protected by a rough stone apron 6 feet wide and 1½ feet thick. The wall be placed 1 foot below top of retaining wall. The rear slope of the bund, if breaches is likely to require to be flatter. Rupees 60 have been added to the estimate for the above modifications. The evidence of the advisability of incurring so large an outlay on a tank yielding so small a revenue is incomplete. There are two tanks above, and it should be ascertained whether the Narayan Tangle cannot be dispensed with, for it is always expensive to have to dispose of the same surplus two or three times. If there be reasonable ground for supposing that the difference between the ayacut assessment and the average revenue will be secured by the outlay, the expenditure required may be incurred but not otherwise.

Pillanjee Tank — Raising and repairing the bund and constructing an escape.

Culput Tank — Raising and repairing the bund and constructing an escape.

4 The following statement shows the proposed distribution of the outlay recommended for sanction, to the debit of the several heads of account involved —

Name of Tank	Items of Estimate	FUND, ORDINARY AGRICULTURAL		Total for each Tank, &c
		Original Works	REVENUE Repairs	
Narayan Tangle	Closing the breaches, raising the bund, and turfing	700	930	1,630
Pillanjee Tank	Constructing a masonry weir			
	Raising and repairing the bund	210	990	1,200
	Constructing an escape			
Culput do.	Raising and repairing the bund	245	570	815
	Constructing an escape			

OOTACAMUND,
21st September 1876

(Signed) A DEC SCOTT, Major, R E,
Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation

To the Secretary to Government, Public Works Department

No 448

ORDER THEREON, 27th September 1876, No 2,576

IRRIGATION, No. 44
Account.

No 194 W, dated 21st September 1876

The following estimates for Irrigation Works in the Wallajah Range, North Arcot District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted, are sanctioned —

Name of Work	Item of Estimate	Fund, Ordinary Agr- cultural	Amount	Irrigation Registry No
Narayan Tangle	Closing the breaches, raising the bund, and turfing	Repairs	rs 930	1 } 156-I
	Constructing a masonry weir	Original Works	700	2 }
Pillanjee Tank	Raising and repairing the bund	Repairs	990	1 } 157-I
	Constructing an escape	Original Works	210	2 }
Culput do.	Raising and repairing the bund	Repairs	570	1 } 158-I
	Constructing an escape	Original Works	245	2 }

Proceedings of the Madras Government, Public Works Department,
27th September 1876 No 2,576.

2 These sanctions are registered as shown above, and that for the Narayan Tangle will be considered conditional on its being demonstrated, either that the tank cannot be used with and the lands irrigated from the tanks above, or that a considerable part of the difference between the ayacut assessment and the average revenue will be secured by the large outlay proposed

(True Extract)

Colonel,

Offg. Under Secy to Govt, P W D

To the District Engineer, North Arcot
" Collector of - do
" Chief Engineer for Irrigation
" Examiner of Public Works Accounts
" Revenue Department

Exd. E C Shunker.
Spare Copies

Botacammund 21st September 1876
N: 194-W

Note by the Chief Engineer for Irrigation

No 3909
Dated 16 Feb 1876
Encls 2+18

The following Estimates from the *Hallajah* Range are forwarded

by the *Assistant* Engineer *North Branch* with his letter marginally noted —

Taluq . *Estimate for 1876-77* Work. Amount Rs.

Hallajah 43. Karayan Tangle - 1570
— *do - 54+55. Pillanjer Tank - 1200*
— *do - 58+59. Tulput Tank - 815*

2 The Financial and Hydraulic details of the Irrigation works concerned are exhibited in the following statement

Ordinary - Agricultural Works.

Name of Work	Ayacut Area	Assessment	Average Revenue for 5 years	Highest Revenue for 5 years	During the previous 4 years	OUTLAY		
						Proposed.		
						Capital	Reve-	Average
	Acres	Rs	Rs	Rs	Rs	Rs.	Rs.	Rs.
<i>Karayan Tangle</i>	<i>134</i>	<i>418</i>	<i>102</i>	<i>139</i>	<i>640</i>	<i>930</i>	<i>1570</i>	
<i>Pillanjer Tank</i>	<i>80</i>	<i>210</i>	<i>290</i>	<i>do</i>	<i>210</i>	<i>990</i>	<i>1200</i>	
<i>Tulput Tank</i>	<i>70</i>	<i>312</i>	<i>272</i>	<i>do</i>	<i>245</i>	<i>570</i>	<i>815</i>	

II—Hydraulic Details

Name of Work.	Catchment Basin Area	Maximum Supply		Length of Escape		Average Height of Bund		Surplus discharged at M T L per Sec	Tanks above
		Catchment per Second	Channels per Second	Total.	Effective	Above F T L			
						Above F	Above T L		
	Sq. M.	C ft.	C ft.	Ft.	Ft.	Ft.	Ft.	C ft.	No.
Karayan Tangle.	3.5	1296		550	280	80	20		2
Pallamjee Tank.	1	562		195	195	0.0	00		not stated
Kailput Tank.	1.5	737		550	50	225	135	367	do
09.21									

Note—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. The following abbreviations are used—K.—Kalingulah with dam stones W.—Weir with flush crest E.—Escape at ground level B.—Bund of tank

3. The following is a summary of the work proposed to be carried out in each case—

Karayan Tangle: Raising the breaches, raising the bund, turfing and constructing a masonry weir. The wings of the weir (18") are somewhat slight, they should be increased to 2 feet at base to the junction of rear return. The returns should be 7 instead of 5 feet in length to afford room for the slope. The rear retaining wall should

be protected by a rough stone apron 6 feet wide and 1 1/2 feet thick which may be placed flat below top of retaining wall. The rear slope of the bund (at the breaches) is likely to require to be flatter. Surplus 60 have been added to the weir estimate for the above modifications. The evidence

of the advisability of incurring so large an outlay on a tank yielding so small a revenue is incomplete. There are two tanks above and it should be ascertained whether the Karayan Tangle cannot be dispensed with for it is always expensive to have to dispose of the

same surplus 2 or 3 times. If there be reasonable ground for supposing that the difference between the present assessment and the average revenue will be secured by the outlay the expenditure required may be incurred but not otherwise.

Pillangur Tank. Raising and repairing the bund and constructing an escape.

Pulpit Tank. Raising and repairing the bund and constructing an escape.

C. J. Thomas 201

The following Statement shows the proposed distribution of the outlay recommended for sanction, to the debit of the several heads of account involved —

Name of Tank	Items of Estimate	FUND			Total for each Tank, &c
		Original Capital Expenditure	Revenue		
			Extension and Improvements	Repairs	
Karayan Tangle	flooding the breach raising the bund & tufting —	"	930		
	constructing a masonry weir.	700			1630
Pillangur Tank	Raising & repairing the bund —	"	990		
	constructing an escape —	210	"		1200
Pulpit Tank	Raising & repairing the bund —	"	570		
	constructing an escape —	245	"		815

Am. Soto

Major H.

By Chief Engineer for Irrigation
for Chief Engineer for Irrigation

The Secretary to Govt P.W.D.

For Binder — Red entries in this note are the printer in Clarendon Type & note in para 2 altered to suit.

P.V.D.
1876
29 SEP 76

From No 2010
The Ch. Engr. for Engrs.
2. The Secy. & Govt.
P.V.D.

Dated 21 Sept. 1876.

Encls 2

No 194-W.

Tanks - North West District
— Note forwarding for
Sanction, with remarks,
Estimates for certain works
to the Karayan Tangle & Pallange
& Culput Tanks

No 447

E I Form No 3

No 2576 of 27 Sept 76

4

THE following Estimates for Irrigation
works in the *Kallajil* Range,
North West District, forwarded by the
Chief Engineer for Irrigation with his Memo.
marginally noted are sanctioned —

No 194-W.
dated 21st September 1876.

Name of Work	Item of Estimate.	Fund <i>Ordinary</i> <i>Non-Ordinary</i>	Amount	Irrigation Registry No.
Karayan Tangle	Closing the breaches raising the bund & trapping —	Repairs	930	156 I
	Constructing a masonry weir —	Original Works	700	
Pallange Tank	Repairing & repair- ing the bund —	Repairs	990	157 I
	Constructing an escape —	Original Works	210	
Culput Tank	Repairing & repair- ing the bund —	Repairs	570	158 I
	Constructing an escape —	Original Works	245	

2. These sanctions are
registered as shown above,
and that for the Karayan
Tangle will be considered
conditional on its being
demonstrated either that
the tank cannot be dis-
pensed with and the

lands irrigated from
the tanks; above so that
a considerable part of
the difference between
the agent's assessment
and the average revenue
will be secured by the
large outlay proposed.

21a } Am. S.

21b } Am. S.

21c } Am. S.

No. 467/48

J. E. M. Brooks ✓
C. E. M. - do ✓
C. E. M. J. with 18 Rupees ✓
Ex. P. to do ✓
Re. Sept ✓
Sept 19/1976

7610/2876
Govt. of 1876 Madras.
PUBLIC WORKS.

To

The N. B. North Arcot

Dated

Issued

Recd

Encl

G O, 27th July 1876, No.

2576

Nos. 1447/48

447-448

Narayan Tangle Pellanjee
and Culput Jankho
North Arcot Dist. The Estimates
for certain repairs and
improvements to the —
sanctioned of —

20-10-76