M.E.O. 1—77,006—8-6-37.

(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. 29, 30	2824	Press / Mis.	
Dated	3-12-	18 12	

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 3rd December 1872.

No. 29. Read the following Endorsement of the Acting Chief Engineer for Irrigation, dated Fort St. George, 25th October 1872, No. 237 :—

From the Acting Superintending Engineer, 1st Division, to the Chief Engineer for Irrigation, dated Dowlaishweram, 18th October 1872, No. 2,566.

I HAVE the honour to forward herewith, for the information of Government, copy of a report, etc., received from the Executive Engineer in charge of the Western Delta Range, Godavery District, on the unprecedented high flooding of the Yerra Calwa and Ralla Madugu, and the consequent breaching of canal banks and swamping of crops.

One copy of a Report.
One copy of Statement.

2. The measures taken by Mr. Walch and his subordinates to preserve the crops and prevent damage to works during an unusually severe flood season, it will be observed, have been most satisfactory, and every credit is due to them for their zeal and exertions.

3. In a short time, when the water subsides and the damages done can be estimated, a further report will be sent.

NOTE.—In a letter dated 14th October 1872, No. A, Mr. Walch reports that the Collair Lake has risen to the extraordinary height of 6′ 9″. On the 9th also the Yerra Calwa again came down, rising to 5′ 6″ in the Doovah weir. Under these circumstances, the hope he expressed of the rapid drainage of the submerged lands between the Vundi and Akeed canals has proved fallacious, and the loss of crops will be enormous.

From G. T. WALCH, Esq., Executive Engineer, No. 3 or Western Delta Range, Godavery District, to the Superintending Engineer, 1st Division, dated Nursapur, 4th October 1872, No. 214.

I HAVE had the honour from time to time to inform you demi-officially of the state of affairs and what was being done in this delta during the late high floods of Yerra Calwa and Ralla Madugu, and now report the main facts officially.

(1.) *Heights of water, etc*, are shown on enclosed statement.

(2.) *Breaches, actual and threatened, and* steps taken to prevent them.

2. On evening of 17th there having been much rain during two previous days, I sent orders from Chettepetta to reduce water on head-sluice floor from 8′ to 6′. On morning of 18th Mr. Jackson, (I had gone down Attilli canal) finding water rising rapidly both in canal and Yerra Calwa, sent expresses to Viziasweram to close head-sluices, and to Doovah, Perimella and Peranille to open escapes, etc. The head-sluices were closed by *noon*, and at the other places all shutters, etc., were opened, except at Doovah where nine single boards could not be got out before the flood became too high. On 19th morning I found some places in bank near Nandamur old lock channel almost breached, and had them strengthened. Next morning early I was at the Venkiah above Perimella, the south bank of which was in the greatest danger ; I got Munsifs to turn out coolies and set them to work, strengthening and raising banks where most wanted. I found the Delta Superintendent P. Aurunachellum had been prompt in getting all escapes, sluices, and every of freing the canal of water open, excepting side vents (very powerful ones) of Perimella lock, the shutters of which were said to be immoveable; they were got out and I had top 6″ of gates (an evidently added plank) sawn off. By these means, and the fact that after rising to about +23′ on Doovah weir the stream overflowed the high ground, unembanked on the north above Ranipad, and so relieved itself, (a second stream of great width flowing down outside the north

bank) a breach in south bank between Ranipad and Perimella, which would have been a great calamity, was prevented; that it was imminent you will know, and I would refer to Captain Ryves' Memorandum, Appendix No. 1, to report on "completion project" of this delta, paragraphs 56 and 57, in which he says: "With the water surface above the weir* at + 22·5 the banks of the Venkiah canal would be in serious danger, even with the irrigation sluices open as well as the escapes; if the flood rose to + 23 the Venkiah would be breached with enormous damage to crop and villages."

* Doovah.

It was on 19th and 20th + 24.

3. The Yenamadurru below Doovah overtopped and breached its banks in some places, and on the 21st I found water from it flowing over Undi canal east bank, and that canal unable to carry the water thus added to that being poured in at its wide open* head-sluices had breached its west bank nearly opposite Pippara, and was finding relief down an old drainage channel running to Bondada drain and Weyaroo. It was impossible to close this, and could it have been done it would but have caused other breaches in probably worse places. From thence I hurried to Muddapurum, from which place Supervisor Cotiah reported great danger at the high bank near new lock excavation. A breach there would not only have ruined the lock works, but would have poured the water† out of the Ellore and High Level channels down on the Weyaroo and Venkiah (Yerra Calwa water), when it would have been *impossible* to prevent the Venkiah bank from going. I found that the Supervisor with piling and the use of stone toe or retaining wall (such as I last year found so effective in those banks) had arrested the slip, and measures were taken which made the place secure.

* Obliged to be open to save the Venkiah.

† From Ralla Madugu.

4. *Other damage to Government works* of any importance due to Yerra Calwa and Ralla Madugu floods—

(1.) The water which escaping from the Venkiah flowed down outside its north bank has swept away about quarter of a mile of the Attile and Tadapillegoodem road. Probable cost of renewing, Rupees 250.

(2.) Akeed road between Vissacadar and Bhimaram breached in several places. Repairs can be done from maintenance allotment.

(3.) The water of the Weyaroo backed up to site of Muddapurum lock; it was not allowed to break into foundation pit, but rendered baling out of soakage and rain water impossible, and much of the work was submerged; I do not consider any of the work injured except about 50 running feet of side culvert arches which were being turned, which will have to be taken down and rebuilt.

5. *Crops swamped by Yerra Calwa and Ralla Madugu waters.* As, in order to keep the Main canals from breaching, it was necessary for many days to keep all sluices wide open, there are few wet lands in the delta which have not had more water in them than was wanted during the last fortnight, but unless heavy rains continue I do not think there will be much loss of crops except in the following tracts:—

(1.) Just east of Yenamadurru and north of junction of Gostanaddi with it, about 700 acres of wet and 1,000 acres of dry crops have been utterly destroyed in villages of Garagapurru, Yandagandi Maipa, Idur, Kondurapad, Kommara and Manchilli. Over part of these lands I went in a boat on 29th ultimo, water varying from 2′ 6″ to 4′ deep. They can only be drained as the Yenamadurru and Gostanaddi, up which it backs, subside, which they have been doing very slowly, as the swamped lands are reservoirs which feed them, and the Uppootair, owing to the vast quantities of water poured into it, has been standing at most unusual height. On 26th I found at Yenamadurru village that the Yenamadurru was then not 6″ lower there than it had been at its highest.

Proceedings of the Madras Government, Public Works Department, 3rd December 1872.

(2.) Between Yenamadurru and Undi canal above Pippara about 1,000 acres of crops were swamped; but as the ground there is much higher than in the last mentioned tract, and the Yenamadurru there falls more rapidly than below, I trust that but a small portion of the submerged crops will have been irretrievably ruined.

(3.) Between Undi canal and lower Weyaroo and Akeed canal.

The water which had to be passed through sluices to relieve Venkiah and Undi canals, the breaches in the latter canal, the stoppage of drainage by the great height of Weyaroo and Akeed Canal waters, resulted in the swamping of some 2,000 acres or thereabouts of wet crops. On 27th and 28th I visited different places with the object of getting water off these lands as quickly as possible. I gave a breach in the Akeed road near Rudrayacodu, one in Ganganammah Codu near Akeed, and another in Akeed canal near Yelorepad lock, and saw the water draining rapidly off the submerged lands; I roughly estimate the loss of crops at 1,000 acres of wet, 200 acres of dry.

(4.) Strip north of Venkiah canal and China Çaparum channel branch over which water from Venkiah flowed. As a rough guess probably 200 acres of dry and 500 acres of wet crops spoilt. It drained into Weyaroo under China Caparum channel aqueduct and to Pandicodu. Till the flood waters are entirely got rid of, which is not yet the case, it is impossible to state with any accuracy the loss of crops, the areas given above are mere guesses after personal inspection.

6. *General Remarks.*—The head-sluices are still closed, so that for sixteen days no water has been taken into the delta from the Godavery. Every attempt has been made I trust you will think successfully to restrict as much as possible the damage done by the water which we had no power to keep out of the delta. The subordinates have scarcely an exception shown care and intelligence without which the loss to the people, injury to Government works, and loss of revenue, would probably have been far more serious even than is now the case.

GODAVERY DISTRICT, WESTERN DELTA.

Statement showing height of water at different places during late high freshes in Yerra Calwa and Ralla Madugu.

Month.	On head-sluice floor + 28.	On Chettepetta Calingulah crest + 30.	On Perinelly Lock-upper sill + 23·5.	In Yerra Calwa Weyaroo below top of parapet of Nandamur Aqueduct up stream side.	On Doovah Weir crest + 16·5.	Perimella Lock.		Yelurpad Lock.	Rainfall at Nursapur gauge read 6 A.M.	Remarks.
						Upper Sill + 10·25.	Lower Sill 4·75.	Upper Sill 1·33.		
	FT. IN.	FT. IN.	FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.		
16th Sept.	8 0	2 10	5 8	About + 34·3	2 6	7 3	11 0	6 0	5 31	From 6 A.M. 15th to 6 A.M. 16th.
17th ,,	8 0	3 3	5 9	.....	2 0	7 1	13 1	5 6	0 17	
18th ,,	7 4	2 10	5 11	.....	Noon 4 5 6 P.M. 6 10	7 8	13 4	5 5	0 74	Head-sluices closed at noon.
19th ,,	...	6 A.M. 4 4	...	7 A.M. 6′	.....	Eng. 8 3	...	...	...	
	8 2	.....	6 4	(Fall through arches 10″) 3 P.M. 5′ 11″	7 6	.....	14 3	5 0	0 63	
	...	7 P.M. 4 3	...	(Fall through arches 7″) 6 P.M. 6″.	.....	.....	...	...	...	
20th ,,	8 3	6 A.M. 4 2	6 7	.....	7 6	11 A.M. 8 3 6 P.M. 8 1	14 6	5 0	0 40	Viziasweram head-sluices kept entirely closed.
				FT. IN.						
21st ,,	7 11	6 A.M. 3 10	6 7	.....	6 2	7 6	15 0	5 0	0 33	
22nd ,,	8 0	3 10	6 5	6 A.M. 8 10	5 4	7 6	15 2	5 0	2 15	
23rd ,,	8 0	3 9	6 7	,, 9 6	4 9	7 6	15 2	5 0	0 16	
24th ,,	7 9	3 6	6 2	,, 10 10	4 1	7 4	15 0	5 3	...	
25th ,,	7 6	3 4	6 8	11 4	3 4	7 3	14 3	5 3	0 09	
26th ,,	7 3	2 11	6 8	11 7	2 11	7 2	14 1	5 3	0 01	
27th ,,	7 1	2 9	6 8	11 7	2 8	6 9	14 3	...	...	
28th ,,	6 11	2 8	6 6	11 8	2 10	7 0	14 1	4 2	...	
29th ,,	6 8	2 8	6 9	12 3	2 0	6 11	13 9	...	0 20	
30th ,,	6 4	2 7½	6 7	13 2	1 0	7 7	13 2	3 9	...	
1st Oct.	6 0	2 11	6 9	15 1	0 8	7 4	12 0	3 6	...	
2nd ,,	5 6	2 7½	6 6	16 0	0 6	.....	...	...	2 24	Between 2 and 3 P.M. 2nd.
3rd ,,	1 0	2 4	6 4	16 3	.....	.....	...	...	3 07	
4th ,,	5 4	.....	6 3	.....	.....	.....	...	...	3 79	

NURSAPUR,
4th October 1872.

(Signed) G. T. WALCH,
Executive Engineer, No. III. Range.

Proceedings of the Madras Government, Public Works Department, 3rd December 1872.

FORWARDED for the information of Government.

2. Mr. Walch appears to have done all that could be done to reduce the loss and damage from the floods in the Western Delta to a minimum.

(Signed) R. F. OAKES, Major, R.E.,
Acting Chief Engineer for Irrigation.

No. 30. ORDER THEREON, 3rd December 1872, No. 2,824.

IRRIGATION, No. 3. ORDERED to be recorded.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

Exd. E. C. Shunker.

Gobt. of [1872] Madras.

PUBLIC WORKS.

To

Dated December 3rd.

Read. *Encl.*

G. O., 3rd December 1872, No. 2,824.

DECEMBER

Nos. 29 30

Floods.—Report of the occurrence of floods in the Western Delta of the Godavery, recorded.

Statement shewing height of water at different places during late high freshes in Yerracalva and Ralles Madugu -

Godaweey District Western Delta

	Mundo		On Right Main Canal + 28		At Cattlefield Calingalabo Creek + 30		On Pirawella Rock Sill + 23. 5'		At Yerracalva Weyangalabo Upper Standamur Agra Anicut Sill + 54. 3		On River Weir Creek + 16. 5'		Pirawella Rock Upper Sill + 10. 25	Lower Sill 4. 75	Yelwatta Rock Upper Sill 1. 33	Rainfall at Nuwara Guazo read 6 A.M.	
Sept.																	
16	8'	—	2'	10"	5'	8"			abort	+ 54. 3	2'	6"	7'	5'	11	6'	5' 31	* From 6 A.M. 15th to 6 A.M. 16th
17	8'		3'	3"	5'	9"					2'		7'	1'	13. 1"	5' 6"	17	
18th	7'	4"	2'	10"	5'	11					Noon 4'—5		7'	4'	13. 4	5' 5"	74	Head Sluices closed at Noon.
19	8'—	2"	6 A.M. 4' 4"		6'	4"	7 A.M. 6"		4 all the Anicuts 3 P.M. 5"—11		6 P.M. 6—10		7' Eng 8'-5	1'	11. 3	5'	63	
			7 P.M. 4'-3				12 all the Anicuts 7 to 6 P.M. 6"				7'	6"						
20	8'	3"	6 A.M. 4—2"		6'	7"					7'	6"	11 A.M. 8-5"	2'	11—6"	5'	40	
21st	7'	11"	6 A.M.	3' 10"	6'	7"					6'		6 P.M. 8-5"	1'	15.	5'	30	
22nd	8'		3'	10"	6'	5"	6 A.M.	8'-10"	5'	4"	2		7'	6'	15 2—	5'	2— 75	
23rd	8'		3'	9"	6'	7"	"	9'-6"	4'	9"			7'	6'	15 2"	5'	16	
24th	7'—	9"	3'	6"	6'	2"	"	10	4'	1			7'	11'	15. "	5' 3"		
25th	7'	6"	3'	4"	6'	8"	"	11	3'	11"			7'	9"	14. 3	5' 3"	09	
26th	7'	5"	2'	11"	6'	8"	"	11	2	11"			7'	2"	14. 1	5' 3"	01	
27th	7'	1"	2'	9"	6'	8"	"	11	2	8"			6'	9"	14. 3	4' "		
28th	6'	11"	2'	8"	6'	6"	"	11'	2	10"			7'	1"	14. 1	4' 2"		
29th	6'	8"	2'	8"	6'	9"	"	12'	2	"			6'	8"	13' 9"	" "	20	
30	6'	4"	2'	7½"	6'	7"	"	13'	1	"			7'		13. 2"	3' 9"		
Oct.																		
1	6'		2'	11"	6'	9"	15'—	1"	"		8"		7'	1"	12—	3' 6"		
2	5'	6"	2'	7½	6'	6"	16'	"	"		6"		"	"	" "		2— 24	Between 2 and 3 P.M. 2"
3	1		2'	4"	6'	4"	16'	3"	"				"	"	" "		3. 07	
4	5'	4"			6'	3"	"	"	"				"	"	" "		3 79	

H. 3 or W. D. Range
Godaweey District
Kurunegalla 4th October 72
Despatched 5— do —

Time Com.

Vigilant arrived Galle 5th Oct. 72

Lieut & G. Baleb
Executive Engineer No 3 Range

Capt. R.E.

For Superintending Engineer N. Div.

E.W. 5185/72.

Enclosures as list
2,256 Rakes 70
Cattle & 2 from
Headquarters
Superintending
Engineer & Executive
Engineer Chief Engineer
Coordinator
Bombay

2/Oct/72

No 214.

No 3 or Western Delta Range
Office Adreapeir
4th October 1872.

From The Executive Engineer
No 3 or Western Delta Range
Godavery District.

To, The Superintending Engineer
1st Division
Dowlaiswaram

Sir,

I have had the honor from time to time to inform you demi officially of the state of affairs and what was being done in this Delta during the late high floods of Yerra Calwa and Palla Madugu, and now report the main facts officially.

1 Heights of water yes are shewn on Enclosed Statement.

2 Breaches actual and threatened and steps taken to prevent them.

On morning of 17th there having been much rain during two previous days I sent orders from Chettepetta to reduce water on Head sluice floor from 8' to 6'. On morning of 18th Mr Jackson (Head gone down Attili Canal) finding water rising rapidly both in Canal and Yerra Calwa sent expresses to Vizianagaram to close Head en sluices and to Dovvah, Perinella and Peramilli to open escapes yes. The Head sluices were closed by Govt, and at the other places all shutters yes were opened, except at Dovvah were 9 single boards

Could

could not be got out before the flood became too high. On 19th Morning I found some places in bank near Nandanvon old Lock Channel almost breached and had them strengthened. Next morning early I was at the Venkiah above on Perimella, the south bank of which was in the greatest danger; I got Municipls to turn out coolies and set them to work strengthening and raising banks where most wanted. I found the Delta Supt. P. Arumachellum had been prompt in getting all escapes, sluices and every thing the Canal of water open, excepting side Vents (very powerful ones) of Perimella Lock the shutters of which were said to be immoveable; they were got out and had top 6" of gates (an incidently added "plank) drawn off. By these means, and the fact that after rising to about +23'. on Doovah Weir the stream overflowed the high ground unembanked on the north above Ramipad, and so relieved itself, (a second stream of great width flowing down outside the north bank) a breach in south Bank between Ramipad and Perimellah, which would have been a great calamity, was prevented, that it was imminent you will know and I would refer to Captain Pynes Memorandum, Appendix No1 to report on "Completion Project" of this Delta, Paras 56 and 57. in which he says "With the water surface above ~~below~~ the Weir[x] at +22.5 the banks of the Venkiah Canal would be in serious danger

[x] Doovah

Even

It was on 19th 20th +24

with the Irrigation sluices open as well as the escapes; if the flood rose to +23 the Venkiah would be breached with enormous damage to crop and Villages"

The Yenamadurre below Doovah overtopped and breached its banks in some places and on the 21st I found water from it flowing over Vendi Canal East Bank, and that Canal unable to carry the water thus added to that being poured in at its wide-open head sluices had breached its west bank nearly opposite Pippara and was finding relief down an old drainage Channel running to Bonidada Drain and Vegaroo. It was impossible to close this and could it have been done it would but have caused other breaches in probably worse places. From thence I hurried to Muddaperium, from which place Superintendent Cotiah reported great danger at the high bank near new Lock excavation. A breach there would not only have ruined the Lock works but would have poured the water[x] out of the Ellore and high level Channels down on the Vegaroo and Venkiah (Yerra Calua water) when it would have been impossible to prevent the Venkiah bank from going. I found that the Superintendent with piling and the use of stone toe or retaining wall (such as I last year found so effective in these banks) had arrested the slip and measures were taken which made the place secure.

[x] from Ralla Madugu.

3 Other damage to Government works if any

any importance due to Yerra Calwa and Kalla Madugu floods.

(1) The water which escaping from the Ventrick flowed down outside its North bank has swept away about ¼ mile of the Attili and Tadapilli Goodem Road. Probable cost of renewing Rs: 250.

(2) Aked Road between Vissacodan and Bhimaram breached in several places. Repairs can be done from Maintenance allotment.

(3) The water of the Weyaroo backed up to site of Muddapuram Sluice; it was not allowed to break into foundation pit, but rendered taking out of Sluice and Rain water impossible and much of the work was submerged; I do not consider any of the work injured except about 30 running feet of side culvert arches which were being turned, which will have to be taken down and rebuilt.

4 Crops Swamped by Yerra Calwa and Kalla Madugu waters. As in order to keep the main Canals from breaching it was necessary for many days to keep all sluices wide open there are few wet lands in the Delta which have not had more waters on them than was wanted during the last fortnight but unless heavy Rains continue I do not think there will be much loss of crops except in the following tracts. (1) Just east of Yenamadurru and North of Junction of Gostanaddi with the about 700 acres of wet and 1000 acres of dry Crops have been utterly destroyed in Villages of Garagaparru, Yandagandi Maipa, Idur, Kondewapad, Kommara and Manchilli. As part of these lands I went in a boat on 29th Ultimo. water varying from 2-6 to 4-0 deep. They can only be drained as the Yanamadurru and Gostanaddi up which it backs, subside which they have been doing very slowly as the swamped lands are Reservoirs which feed them and the Upportain owing to the vast quantities of water poured into it has been standing at much unusual height. On 26th I found at Yenamadurru Village that the Yanamadurru was then not 6" lower than it had been at its highest.

(2) Between Yenamadurru and Undi Canal above Pippara, about 1000 acres of Crops were swamped, but as the ground there is much higher than in the last mentioned tract and the Yenamadurru there falls more rapidly than below I trust that but a small portion of the submerged Crops will have been irretrievably ruined.

(3) Between Undi Canal and Lower Weyaru and Aked Canal.

The water which had to be passed through sluices to relieve Ventrick and Undi Canals. the breaches in the latter Canal, the stoppage of

Drainage

Drainage by the great height of Vegara and Akeed Canal waters, resulted in the swamping of some 2000 acres or thereabouts of wet Crops. On 27th and 28th I visited different places with the object of getting water off these lands as quickly as possible. I gave a breach in the Akeed Road near Pudrayacodu one in Ganganammah Coda near Akeed and another in Akeed Canal near Yelonepad Lock and saw the water draining rapidly off the submerged lands; I roughly estimate the loss of Crops at 1,000 acres of wet 200 acres of dry (4) Strip North of Ventiah Canal and China Caharum Channel branch over which water from Ventiah flowed. As a rough guess probably 200 acres of dry and 500 acres of wet Crops spoilt. It drained into Vegara under China Caharum Channel Aqueduct and to Pandicodu. Till the flood waters are entirely got rid of which is not yet the case, it is impossible to state with any accuracy the loss of Crops, the areas given above are mere guesses after personal inspection

5—General Remarks

The Head Sluices are still closed so that for 16 days no water has been taken into the Delta from the Godavery. Every attempt has been made I trust you will think successfully to restrict as much as possible the damage done by the waters which we had no power to keep out of the Delta. The subordinates have with scarcely an exception shewn care and intelligence without which the loss to the people, injury to Government works and loss of Revenue, would probably have been far more serious even than is now the case.

I have &c &c

(Signed) J. J. Walch
Executive Engineer

(True Copy)

W. Thomas—Capt. R.E.
for A.G. Engrs. 1st Dr.

Superintending Engr Office
Londaur dated 18 October 1872

No. 2566

From

The Supt Superintending Engineer
Southern Division

To,

The Chief Engineer for
Irrigation
Madras

Sir,

I have the honor to forward herewith for the information of Government a copy of a report received from the Executive Engineer in charge of the Western Delta Range, on the unprecedented Godavery District, on the unprecedented high flooding of the Yerra Calwa and Pallair Madugu, and the consequent breaching of Canal banks and Swamping of Crops.

2. The measures taken by the Executive and his Subordinates to preserve the Crops and prevent damage to works during an unusually severe flood season, it will be observed, have been most satisfactory, and

P. Br. 1873

Enclosures in letter
No 2566 dated 19th
October 1872 from
the Superintending
Engineer Southern
Division to the Chief Engineer
for Irrigation

and every credit is due to them for their Zeal and Exertions.

3. In a short time when the waters subsides and the damages done can be estimated, a further report will be sent

I have the honorable Sir Your Most Obed.t Serv.t

W. Theed Capt. R.E.

To The Superintending Engineer 1st Division

Note.

In a letter dated 14th October 1872 No. 1 Mr. Walker reports that, the Collair Lake has risen to the extraordinary height of 6-9. on the 9th also the Serra-calunia again came down, rising to 5-6 in the Dewa Weir. Under these circumstances the hope he expressed of the rapid drainage of the submerged lands between the Vende and Akee Canals has proved fallacious and the loss of Crops will be enormous.

W. Theed

Forwarded.

No 237.

Forwarded for the information of Government.

2. The Water appears to have done all that could be done to reduced the loss & damage from the floods in the Western Delta to a minimum.

Lt-Col Gerard October 1872 — Supt. Engr. Rly. — Superintending Engineer for Irrigation

To The Secretary to Government P.W.D.

P. W. 1872 Department

From [illegible] No. 5788.

The Acting Superintending Engr.
4th Division
To, The Chief Engineer
for Irrigation
Madras

Dated 18th October 1872
Desp 25
Rec'd 26 No. 2566

Sir,

I have the honor to forward a copy of a despatch from the Executive Engineer in charge Kistna Range [illegible] drawing attention to the insufficiency of the Waste Weir across the Kallur Madras Road Cross Communication between the Canal Banks

I am &c
[illegible]
for Secretary
to Chief Engineer for Irrigation

Printed to be returned

R.C.

6 Encl. Nos 7 to R. 14th
Letter to Collr 28 Oct 72

No 5788

Govt. of 1872 Madras.

PUBLIC WORKS.

To

Dated

Rec'd. Encl.

G. O 3rd Dec 1872 2824.

Nos.

Lands. Report &c.

Recession of Lands in Dis. Western Delta to Mr. Sadaney. Ce-
ded.