

MADRAS RECORD OFFICE.

Government of Madras.

Marine DEPARTMENT.

G.O. No. 303

Press
~~Mis.~~

Dated

3. 8. 1857

Not to be folded or roughly handled

Fort Saint George, Marine Consultation, 4th August 1857.

No. 14. From J. J. FRANKLIN, Esq., Secretary Marine Board; to E. MALTBY, Esq.,
Acting Chief Secretary to Government, Fort Saint George, dated 22nd July 1857,
No. 2471.

SIR,

I have the honor by desire of the Marine Board to forward herewith the monthly Register
of the Rise and fall of the Tide at Coringa, during the half year ending the 30th June 1857.

(Signed) J. J. FRANKLIN,

Secretary.

Register of Tides observed in Cocanada River from 1st January 1857.

Date.	High water.		Low water.		Range of Tide.	Winds.		Time of Stream.		Name of Observer.
	Time.	Height	Time.	Height		Direction	Force.	Flood.	Ebb.	
1st	A. M.	0 0 0	0 7 5	5 1	3 5	North.	Clear.	0 0 7	20	C. Potunnah, Tindal.
	P. M.	1 5 8	6 0 0	0 0	0	N. E.	"	1 20 0	0	
2nd	A. M.	0 0 0	0 7 5	5 0	3 9	North.	"	0 0 8	8	
	P. M.	1 53 8	9 0 0	0 0	0	N. E.	"	2 8 0	0	
3rd	A. M.	0 0 0	0 8 38	4 9	4 3	North.	"	0 0 8	53	
	P. M.	2 38 9	0 0 0	0 0	0	N. E.	"	2 53 0	0	
4th	A. M.	0 0 0	0 9 23	4 7	4 7	North.	"	0 0 9	38	
	P. M.	3 23 9	2 0 0	0 0	0	N. E.	"	3 38 0	0	
5th	A. M.	0 0 0	0 10 13	4 5	4 11	"	"	0 0 10	28	
	P. M.	4 13 9	4 0 0	0 0	0	"	"	4 28 0	0	
6th	A. M.	0 0 0	0 11 3	4 2	5 6	"	"	0 0 11	18	
	P. M.	5 3 9	8 0 0	0 0	0	North.	"	5 18 0	0	
7th	A. M.	0 0 0	0 11 53	4 6	5 6	"	"	6 8 0	0	
	P. M.	5 53 10	0 0 0	0 0	0	"	"	6 58 0	0	
8th	A. M.	6 43 10	2 0 0	0 0	0	"	"	0 0 0	58	
	P. M.	0 0 0	0 0 43	4 7	5 7	"	"	7 45 0	0	
9th	A. M.	7 30 10	4 0 0	0 0	0	"	"	0 0 1	45	
	P. M.	0 0 0	0 1 30	4 9	5 7	"	"	8 30 0	0	
10th	A. M.	8 15 10	7 0 0	0 0	0	"	"	0 0 2	30	
	P. M.	0 0 0	0 2 15	4 11	5 8	"	"	9 15 0	0	
11th	A. M.	9 0 10	10 0 0	0 0	0	"	"	0 0 3	15	
	P. M.	0 0 0	0 3 0	5 0	0	"	"	10 0 0	0	
12th	A. M.	9 45 10	2 0 0	0 0	0	East.	"	0 0 4	0	
	P. M.	0 0 0	0 3 45	4 10	5 4	North.	"	10 50 0	0	
13th	A. M.	10 35 10	0 0 0	0 0	0	East.	"	0 0 4	50	
	P. M.	0 0 0	0 4 35	4 8	5 4	North.	"	11 40 0	0	
14th	A. M.	11 25 9	10 0 0	0 0	0	East.	"	0 0 5	40	
	P. M.	0 0 0	0 5 25	4 6	4 6	North.	Gloomy.	0 0 6	30	
15th	A. M.	0 0 0	0 6 15	4 4	3 10	East.	Clear.	0 30 0	0	
	P. M.	0 15 8	10 0 0	0 0	0	North.	"	0 0 7	20	
16th	A. M.	0 0 0	0 7 5	4 0	4 8	East.	"	1 20 0	0	
	P. M.	1 5 8	0 7 53	4 0	5 2	N. E.	"	0 0 8	8	
17th	A. M.	0 0 0	0 7 53	4 0	4 8	East.	"	2 8 0	0	
	P. M.	1 53 8	8 0 0	0 0	0	N. E.	"	0 0 8	53	
18th	A. M.	0 0 0	0 8 38	4 4	5 2	East.	"	2 53 0	0	
	P. M.	2 38 9	6 0 0	0 0	0					

Fort Saint George, Marine Consultation, 4th August 1857.

JANUARY 1857.—Continued.

Date.	High water.		Low water.		Range of Tide.	Winds.		Time of Stream.		Name of Observer.
	Time.	Height.	Time.	Height.		Direction.	Force.	Flood.	Ebb.	
19th A. M.	0	0	0	0						
P. M.	3	23	10	0	9	23	4	6		
20th A. M.	0	0	0	0	0	0	0	0	5	6
P. M.	4	13	10	4	0	0	0	0	8	
21st A. M.	0	0	0	0	0	0	0	0	5	8
P. M.	5	31	10	8	0	0	0	0	10	
22nd A. M.	0	0	0	0	0	0	0	0	5	10
P. M.	5	53	10	10	0	0	0	0	0	
23rd A. M.	6	43	11	0	0	0	0	0	5	10
P. M.	0	0	0	0	0	0	0	0	0	
24th A. M.	7	30	10	4	0	43	4	4	6	8
P. M.	0	0	0	0	0	0	0	0	0	
25th A. M.	8	15	10	2	0	30	4	2	6	2
P. M.	0	0	0	0	0	0	0	0	0	
26th A. M.	9	0	10	0	0	2	15	4	6	2
P. M.	0	0	0	0	0	0	0	0	0	
27th A. M.	9	45	9	6	0	0	4	1	5	11
P. M.	0	0	0	0	0	0	0	0	0	
28th A. M.	10	35	9	0	3	45	4	2	5	4
P. M.	0	0	0	0	0	0	0	0	0	
29th A. M.	11	25	9	0	0	4	35	4	4	10
P. M.	0	0	0	0	0	0	0	0	0	
30th A. M.	0	0	0	0	0	5	25	4	6	
P. M.	0	15	8	9	0	6	15	4	8	
31st A. M.	0	0	0	0	0	0	0	0	4	1
P. M.	1	5	8	6	0	7	5	4	11	

C. Potunnah, Tindel.

FEBRUARY 1857.

1st A. M.	0	0	0	0	7	53	5	1		
P. M.	1	53	8	1	0	0	0	1	3	0
2nd A. M.	0	0	0	0	0	8	38	4	9	
P. M.	2	38	8	4	0	0	0	0	3	7
3rd A. M.	0	0	0	0	0	9	23	4	6	
P. M.	3	23	8	10	0	0	0	0	4	4
4th A. M.	0	0	0	0	0	10	13	4	7	
P. M.	4	13	9	4	0	0	0	0	4	9
5th A. M.	0	0	0	0	0	11	3	4	8	
P. M.	5	31	10	0	0	0	0	0	5	4
6th A. M.	0	0	0	0	0	11	53	4	10	
P. M.	5	53	10	4	0	0	0	0	5	6
7th A. M.	6	43	10	10	0	0	0	0	5	10
P. M.	0	0	0	0	0	43	5	0	0	
8th A. M.	7	30	10	11	0	0	0	0	6	1
P. M.	0	0	0	0	0	1	30	4	10	
9th A. M.	8	15	10	9	0	0	0	0	6	0
P. M.	0	0	0	0	2	15	4	9	0	
10th A. M.	9	0	10	7	0	0	0	0	6	0
P. M.	0	0	0	0	3	0	4	7	0	
11th A. M.	9	45	10	4	0	0	0	0	6	0
P. M.	0	0	0	0	3	45	4	4	0	
12th A. M.	10	35	10	2	0	0	0	0	6	1
P. M.	0	0	0	0	4	35	4	1	0	
13th A. M.	11	25	10	0	0	0	0	0	5	9
P. M.	0	0	0	0	5	25	4	3	0	
14th A. M.	0	0	0	0	6	15	4	5	0	
P. M.	0	15	9	6	0	0	0	0	5	1
15th A. M.	0	0	0	0	7	5	4	6	0	
P. M.	1	5	9	0	0	0	0	0	4	6

C. Potunnah, Tindel.

Fort Saint George, Marine Consultation, 4th August 1857. 2

FEBRUARY 1857.—Continued.

Date.	High water.		Low water.		Range of Tide.	Winds.		Time of Stream.		Name of Observer.
	Time.	Height.	Time.	Height.		Direction.	Force.	Flood.	Ebb.	
16th A. M.	0	0	0	0	7	53	4	8	3	4
P. M.	1	53	8	0	0	0	0	0	0	
17th A. M.	0	0	0	0	8	38	4	10	3	6
P. M.	2	38	8	4	0	0	0	0	0	
18th A. M.	0	0	0	0	9	23	5	0	3	8
P. M.	3	23	8	8	0	0	0	0	0	
19th A. M.	0	0	0	0	10	13	5	2	3	8
P. M.	4	13	8	10	0	0	0	0	0	
20th A. M.	0	0	0	0	11	3	5	4	3	8
P. M.	5	3	9	0	0	0	0	0	0	
21st A. M.	0	0	0	0	11	53	5	6	4	0
P. M.	5	53	9	6	0	0	0	0	0	
22nd A. M.	6	43	10	0	0	0	0	0	4	10
P. M.	0	0	0	0	0	43	5	2	0	
23rd A. M.	7	30	9	9	0	0	0	0	4	11
P. M.	0	0	0	0	1	30	4	10	0	
24th A. M.	8	15	9	4	0	0	0	0	4	10
P. M.	0	0	0	0	2	15	4	6	0	
25th A. M.	9	0	9	1	0	0	0	0	4	11
P. M.	0	0	0	0	3	0	4	2	0	
26th A. M.	9	45	8	10	0	0	0	0	4	6
P. M.	0	0	0	0	3	45	4	4	0	
27th A. M.	10	35	8	7	0	0	0	0	4	1
P. M.	0	0	0	0	4	35	4	6	0	
28th A. M.	11	25	8	2	0	0	0	0	3	4
P. M.	0	0	0	0	5	25	4	10	0	

C. Potunnah, Tindel.

MARCH 1857.

1st A. M.	0	0	0	0	6	15	5	0		
P. M.	0	15	8	0	0	0	0	0	3	0
2nd A. M.	0	0	0	0	7	5	5	4	3	0
P. M.	1	5	8	4	0	0	0	0	0	
3rd A. M.	0	0	0	0	7	53	5	0	3	6
P. M.	1	53	8	6	0	0	0	0	0	
4th A. M.	0	0	0	0	8	38	4	10	3	10
P. M.	2	38	8	8	0	0	0	0	0	
5th A. M.	0	0	0	0	9	23	4	8	4	1
P. M.	3	23	8	9	0	0	0	0	0	
6th A. M.	0	0	0	0	10	13	4	6	4	0
P. M.	4	13	8	6	0	0	0	0	0	
7th A. M.	0	0	0	0	11	3	4	4	4	4
P. M.	5	3	8	8	0	0	0	0	0	
8th A. M.	0	0	0	0	11	53	4	8	4	2
P. M.	5	53	8	10	0	0	0	0	0	
9th A. M.	6	43	9	1	0	0	0	0	4	1
P. M.	0	0	0	0	0	43	5	0	0	
10th A. M.	7	30	9	6	0	0	0	0	4	4
P. M.	0	0	0	0	1	30	5	2	0	
11th A. M.	8	15	9	8	0	0	0	0	4	4
P. M.	0	0	0	0	2	15	5	4	0	
12th A. M.	9	0	9	4	0	0	0	0	4	3
P. M.	0	0	0	0	3	0	5	1	0	
13th A. M.	9	45	9	5	0	0	0	0	4	2
P. M.	0	0	0	0	3	45	5	3	0	
14th A. M.	10	35	9	7	0	0	0	0	4	3
P. M.	0	0	0	0	4	35	5	4	0	
15th A. M.	11	25	9	9	0	0	0	0	4	2
P. M.	0	0	0	0	5	25	5	7	0	

C. Potunnah, Tindel.

Fort Saint George, Marine Consultation, 4th August 1857.

MARCH 1857.—Continued.

Date.	High water.		Low water.		Range of Tide.	Winds.		Time of Stream.		Name of Observer.
	Time.	Height.	Time.	Height.		Direction.	Force.	Flood.	Ebb.	
16th	A. M.	0 0 0	0 6 15	6 0 0	3 11	North.	Clear.	0 0 6	30 0 0	C. Potunnah, Tindal.
17th	A. M.	0 0 0	0 7 5	5 0 0		N. E.	"	0 30 0	0 0 0	
18th	A. M.	0 0 0	0 7 5	5 0 0	4 8	North.	"	0 0 7	20 0 0	
19th	A. M.	0 0 0	0 7 5	5 0 0		N. E.	"	1 20 0	0 0 0	
20th	A. M.	0 0 0	0 8 38	5 0 0	5 11	North.	"	0 0 8	8 0 0	
21st	A. M.	0 0 0	0 9 23	4 0 0		N. E.	"	2 8 0	0 0 0	
22d	A. M.	0 0 0	0 10 13	4 0 0	6 2	N. E.	"	2 53 0	0 0 0	
23rd	A. M.	0 0 0	0 11 3	4 0 0		S. E.	"	0 0 9	38 0 0	
24th	A. M.	0 0 0	0 11 3	4 0 0	6 0	N. E.	"	3 38 0	0 0 0	
25th	A. M.	0 0 0	0 11 3	4 0 0		S. E.	"	4 28 0	0 0 0	
26th	A. M.	0 0 0	0 11 3	4 0 0	6 0	N. E.	"	0 0 11	18 0 0	
27th	A. M.	0 0 0	0 11 3	4 0 0		S. E.	"	5 18 0	0 0 0	
28th	A. M.	0 0 0	0 11 3	4 0 0	6 0	North.	"	0 0 0	8 0 0	
29th	A. M.	0 0 0	0 11 3	4 0 0		S. E.	"	6 8 0	0 0 0	
30th	A. M.	0 0 0	0 11 3	4 0 0	5 9	North.	"	0 0 0	58 0 0	
31st	A. M.	0 0 0	0 11 3	4 0 0		S. E.	"	7 45 0	0 0 0	
1st	A. M.	0 0 0	0 15 4	4 0 0	5 5	North.	"	0 0 1	45 0 0	C. Potunnah, Tindal.
2nd	A. M.	0 0 0	0 15 4	4 0 0		S. E.	"	8 30 0	0 0 0	
3rd	A. M.	0 0 0	0 15 4	4 0 0	5 6	North.	"	0 0 2	30 0 0	
4th	A. M.	0 0 0	0 15 4	4 0 0		S. E.	"	0 0 3	15 0 0	
5th	A. M.	0 0 0	0 15 4	4 0 0	5 6	North.	"	0 0 3	15 0 0	
6th	A. M.	0 0 0	0 15 4	4 0 0		S. E.	"	0 0 4	0 0 0	
7th	A. M.	0 0 0	0 15 4	4 0 0	5 6	North.	"	0 0 4	0 0 0	
8th	A. M.	0 0 0	0 15 4	4 0 0		S. E.	"	0 0 4	0 0 0	
9th	A. M.	0 0 0	0 15 4	4 0 0	5 6	North.	"	0 0 4	0 0 0	
10th	A. M.	0 0 0	0 15 4	4 0 0		S. E.	"	0 0 4	0 0 0	
11th	A. M.	0 0 0	0 15 4	4 0 0	5 6	North.	"	0 0 4	0 0 0	
12th	A. M.	0 0 0	0 15 4	4 0 0		S. E.	"	0 0 4	0 0 0	

APRIL 1857.

1st	A. M.	0 0 0	0 7 53	5 0 0	3 0	West.	Clear.	0 0 8	8 0 0	C. Potunnah, Tindal.
2nd	A. M.	0 0 0	0 8 38	5 0 0		"	"	0 0 8	53 0 0	
3rd	A. M.	0 0 0	0 9 23	5 0 0	2 8	"	"	0 0 9	38 0 0	
4th	A. M.	0 0 0	0 10 13	5 0 0		"	"	0 0 10	28 0 0	
5th	A. M.	0 0 0	0 11 3	5 0 0	3 2	"	"	0 0 11	15 0 0	
6th	A. M.	0 0 0	0 11 3	5 0 0		"	"	0 0 11	15 0 0	
7th	A. M.	0 0 0	0 11 3	5 0 0	4 2	"	"	0 0 11	15 0 0	
8th	A. M.	0 0 0	0 11 3	5 0 0		"	"	0 0 11	15 0 0	
9th	A. M.	0 0 0	0 11 3	5 0 0	4 8	S. E.	Gloomy.	0 0 0	8 0 0	
10th	A. M.	0 0 0	0 11 3	5 0 0		West.	Cloudy.	0 0 0	8 0 0	
11th	A. M.	0 0 0	0 11 3	5 0 0	5 0	S. E.	Gloomy.	0 0 0	58 0 0	
12th	A. M.	0 0 0	0 11 3	5 0 0		West.	Clear.	0 0 0	58 0 0	

Fort Saint George, Marine Consultation, 4th August 1857.

APRIL 1857.—Continued.

Date.	High water.		Low water.		Range of Tide.	Winds.		Time of Stream.		Name of Observer.
	Time.	Height.	Time.	Height.		Direction.	Force.	Flood.	Ebb.	
13th	A. M.	11 25 8	4 0 0	0 0 0	2 4	West.	Clear.	11 40 0	0 0 0	C. Potunnah, Tindal.
14th	A. M.	0 0 0	0 5 25	6 0 0		S. W.	"	0 0 5	40 0 0	
15th	A. M.	0 0 0	0 6 15	6 0 0	2 3	West.	"	0 0 6	30 0 0	
16th	A. M.	0 0 0	0 7 5	6 0 0		S. W.	"	0 0 7	20 0 0	
17th	A. M.	0 0 0	0 7 5	6 0 0	2 10	"	"	0 0 7	20 0 0	
18th	A. M.	0 0 0	0 7 5	6 0 0		South.	"	1 20 0	0 0 0	
19th	A. M.	0 0 0	0 7 5	6 0 0	3 4	West.	"	0 0 8	8 0 0	
20th	A. M.	0 0 0	0 7 5	6 0 0		S. W.	"	2 8 0	0 0 0	
21st	A. M.	0 0 0	0 8 38	5 0 0	4 0	West.	"	0 0 8	53 0 0	
22nd	A. M.	0 0 0	0 9 23	5 0 0		S. W.	"	2 53 0	0 0 0	
23rd	A. M.	0 0 0	0 9 23	5 0 0	4 8	West.	"	0 0 9	38 0 0	
24th	A. M.	0 0 0	0 10 13	4 0 0		S. W.	"	3 38 0	0 0 0	
25th	A. M.	0 0 0	0 10 13	4 0 0	5 6	West.	"	0 0 10	28 0 0	
26th	A. M.	0 0 0	0 11 3	4 0 0		S. W.	"	4 28 0	0 0 0	
27th	A. M.	0 0 0	0 11 3	4 0 0	6 1	West.	"	0 0 11	18 0 0	
28th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	5 18 0	0 0 0	
29th	A. M.	0 0 0	0 11 3	4 0 0	4 8	West.	"	0 0 0	8 0 0	
30th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	6 8 0	0 0 0	
31st	A. M.	0 0 0	0 11 3	4 0 0	4 7	West.	"	6 58 0	0 0 0	
1st	A. M.	0 0 0	0 11 3	4 0 0		South.	"	0 0 0	58 0 0	
2nd	A. M.	0 0 0	0 11 3	4 0 0	4 8	East.	Cloudy.	7 45 0	0 0 0	
3rd	A. M.	0 0 0	0 11 3	4 0 0		South.	Clear.	0 0 1	45 0 0	
4th	A. M.	0 0 0	0 11 3	4 0 0	5 4	East.	Cloudy.	8 30 0	0 0 0	
5th	A. M.	0 0 0	0 11 3	4 0 0		South.	Clear.	0 0 2	30 0 0	
6th	A. M.	0 0 0	0 11 3	4 0 0	5 3	West.	"	9 15 0	0 0 0	
7th	A. M.	0 0 0	0 11 3	4 0 0		S. W.	"	0 0 3	15 0 0	
8th	A. M.	0 0 0	0 11 3	4 0 0	5 0	West.	"	10 0 0	0 0 0	
9th	A. M.	0 0 0	0 11 3	4 0 0		S. W.	"	0 0 4	0 0 0	
10th	A. M.	0 0 0	0 11 3	4 0 0	5 0	West.	"	10 50 0	0 0 0	
11th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	0 0 4	50 0 0	
12th	A. M.	0 0 0	0 11 3	4 0 0	4 8	West.	"	11 40 0	0 0 0	
13th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	0 0 5	40 0 0	
14th	A. M.	0 0 0	0 11 3	4 0 0	4 7	West.	"	0 0 6	30 0 0	
15th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	0 0 7	20 0 0	
16th	A. M.	0 0 0	0 11 3	4 0 0	4 4	West.	"	1 20 0	0 0 0	
17th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	0 0 0	0 0 0	

MAY 1857.

1st	A. M.	0 0 0	0 7 53	4 0 0	4 2	West.	Clear.	0 0 8	8 0 0	C. Potunnah, Tindal.
2nd	A. M.	0 0 0	0 8 38	4 0 0		South.	"	2 8 0	0 0 0	
3rd	A. M.	0 0 0	0 9 23	4 0 0	3 8	West.	"	0 0 8	53 0 0	
4th	A. M.	0 0 0	0 10 13	4 0 0		South.	"	2 53 0	0 0 0	
5th	A. M.	0 0 0	0 11 3	4 0 0	4 2	West.	"	0 0 9	38 0 0	
6th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	3 38 0	0 0 0	
7th	A. M.	0 0 0	0 11 3	4 0 0	3 11	West.	"	0 0 10	28 0 0	
8th	A. M.	0 0 0	0 11 3	4 0 0		S. W.	"	4 28 0	0 0 0	
9th	A. M.	0 0 0	0 11 3	4 0 0	4 2	West.	"	0 0 11	18 0 0	
10th	A. M.	0 0 0	0 11 3	4 0 0		S. W.	"	5 18 0	0 0 0	
11th	A. M.	0 0 0	0 11 3	4 0 0	4 5	West.	"	0 0 0	8 0 0	
12th	A. M.	0 0 0	0 11 3	4 0 0		S. W.	"	6 8 0	0 0 0	
13th	A. M.	0 0 0	0 11 3	4 0 0	4 5	West.	"	6 58 0	0 0 0	
14th	A. M.	0 0 0	0 11 3	4 0 0		South.	"	0 0 0	58 0 0	
15th	A. M.	0 0 0	0 11 3	4 0 0	4 7	West.	Cloudy.	7 45 0	0 0 0	
16th	A. M.	0 0 0	0 11 3	4 0 0		South.	Clear.	0 0 1	45 0 0	
17th	A. M.	0 0 0	0 11 3	4 0 0	5 4	West.	Cloudy.	8 30 0	0 0 0	
18th	A. M.	0 0 0	0 11 3	4 0 0		"	Clear.	0 0 2	30 0 0	
19th	A. M.	0 0 0	0 11 3	4 0 0	5 8	"	"	9 15 0	0 0 0	
20th	A. M.	0 0 0	0 11 3	4 0 0		"	"	0 0 3	15 0 0	

Fort Saint George, Marine Consultation, 4th August 1857.

MAY 1857.—Continued.

Date.	High water.		Low water.		Range of Tide.	Winds.		Time of Stream.		Name of Observer.
	Time.	Height	Time.	Height		Direction	Force.	Flood.	Ebb.	
11th	A. M.	9 45	9 10	0 0	0 0	West.	Clear.	10 0	0 0	C. Potunnah, Tindel.
	P. M.	0 0	0 3	45 4	6	S. E.	Clear.	0 0	4 0	
12th	A. M.	10 35	9 8	0 0	0 0	West.	Cloudy.	10 50	0 0	
	P. M.	0 0	0 4	35 5	0	S. E.	Clear.	0 0	4 50	
13th	A. M.	11 25	9 6	0 0	0 0	West.	Cloudy.	11 40	0 0	
	P. M.	0 0	0 5	25 4	10	South.	Clear.	0 0	5 40	
14th	A. M.	0 0	0 6	15 4	8	Variable.	Cloudy.	0 0	6 30	
	P. M.	0 15	9 2	0 0	0 0	"	Clear.	0 30	0 0	
15th	A. M.	0 0	0 7	5 4	3	"	Cloudy.	0 0	7 20	
	P. M.	1 5	8 11	0 0	0 0	"	Clear.	1 20	0 0	
16th	A. M.	0 0	0 7	53 4	1	"	Cloudy.	0 0	8 8	
	P. M.	1 53	8 7	0 0	0 0	"	"	2 8	0 0	
17th	A. M.	0 0	0 8	38 4	9	"	"	0 0	8 53	
	P. M.	2 38	9 0	0 0	0 0	"	"	2 53	0 0	
18th	A. M.	0 0	0 9	23 4	7	West.	Clear.	0 0	9 38	
	P. M.	3 23	9 2	0 0	0 0	South.	"	3 38	0 0	
19th	A. M.	0 0	0 10	13 4	5	West.	"	0 0	10 28	
	P. M.	4 13	9 4	0 0	0 0	South.	"	4 28	0 0	
20th	A. M.	0 0	0 11	3 4	2	West.	"	0 0	11 18	
	P. M.	5 3	9 8	0 0	0 0	S. W.	"	5 18	0 0	
21st	A. M.	0 0	0 11	53 4	6	West.	"	0 0	0 8	
	P. M.	5 53	10 0	0 0	0 0	S. W.	"	6 8	0 0	
22nd	A. M.	6 43	10 2	0 0	0 0	West.	Cloudy.	6 58	0 0	
	P. M.	0 0	0 0	43 4	7	S. W.	"	0 0	0 58	
23rd	A. M.	7 30	10 4	0 0	0 0	West.	"	7 45	0 0	
	P. M.	0 0	0 1	30 4	9	S. W.	"	0 0	1 45	
24th	A. M.	8 15	10 7	0 0	0 0	West.	Clear.	8 30	0 0	
	P. M.	0 0	0 2	15 4	11	"	"	0 0	2 30	
25th	A. M.	9 0	10 0	3 0	5	S. W.	"	0 0	3 15	
	P. M.	0 0	0 3	0 0	0	West.	"	0 0	0 0	
26th	A. M.	9 15	10 2	0 0	0 0	"	"	0 0	3 15	
	P. M.	0 0	0 3	45 4	10	"	"	0 0	4 0	
27th	A. M.	10 35	10 0	0 0	0 0	"	Cloudy.	10 50	0 0	
	P. M.	0 0	0 4	35 4	8	"	Clear.	0 0	4 50	
28th	A. M.	11 25	9 10	0 0	0 0	"	Cloudy.	11 40	0 0	
	P. M.	0 0	0 5	25 4	6	"	Clear.	0 0	5 40	
29th	A. M.	0 0	0 6	15 4	4	"	"	0 0	6 30	
	P. M.	0 15	8 10	0 0	0 0	"	"	0 30	0 0	
30th	A. M.	0 0	0 7	5 4	2	"	"	0 0	7 20	
	P. M.	1 5	8 0	0 0	0 0	East.	"	1 20	0 0	
31st	A. M.	0 0	0 7	53 4	0	West.	"	0 0	8 8	
	P. M.	1 53	8 8	0 0	0 0	East.	"	2 8	0 0	

JUNE 1857.

1st	A. M.	0 0	0 0	8 38	4	West.	Cloudy.	0 0	8 53	C. Potunnah, Tindel.
	P. M.	2 38	9 2	0 0	0 0	East.	Clear.	2 53	0 0	
2nd	A. M.	0 0	0 0	9 23	4	West.	"	0 0	9 38	
	P. M.	3 23	10 0	0 0	0 0	East.	"	3 38	0 0	
3rd	A. M.	0 0	0 10	13 4	8	West.	"	0 0	10 28	
	P. M.	4 13	10 4	0 0	0 0	East.	"	4 28	0 0	
4th	A. M.	0 0	0 11	3 4	10	West.	"	0 0	11 18	
	P. M.	5 3	10 8	0 0	0 0	"	"	5 18	0 0	
5th	A. M.	0 0	0 11	53 5	0	"	"	0 0	0 8	
	P. M.	5 53	10 10	0 0	0 0	"	Cloudy.	6 8	0 0	
6th	A. M.	6 43	11 0	0 0	0 0	West.	"	6 58	0 0	
	P. M.	0 0	0 0	43 4	4	"	"	0 0	0 58	
7th	A. M.	7 30	10 4	0 0	0 0	"	"	7 45	0 0	
	P. M.	0 0	0 1	30 4	2	"	"	0 0	1 45	

Fort Saint George, Marine Consultation, 4th August 1857.

JUNE 1857.—Continued.

Date.	High water.		Low water.		Range of Tide.	Winds.		Time of Stream.		Name of Observer.
	Time.	Height	Time.	Height		Direction	Force.	Flood.	Ebb.	
8th	A. M.	8 15	10 2	0 0	0 0	West.	Cloudy.	8 30	0 0	C. Potunnah, Tindel.
	P. M.	0 0	0 2	15 4	0	"	Clear.	0 0	2 30	
9th	A. M.	9 0	10 0	0 0	0 0	West.	"	9 15	0 0	
	P. M.	0 0	0 3	0 4	1	South.	"	0 0	3 15	
10th	A. M.	9 45	9 6	0 0	0 0	West.	"	10 0	0 0	
	P. M.	0 0	0 3	45 4	2	South.	"	0 0	4 0	
11th	A. M.	10 35	9 2	0 0	0 0	West.	"	10 50	0 0	
	P. M.	0 0	0 4	35 4	4	South.	"	0 0	4 50	
12th	A. M.	11 25	9 0	0 0	0 0	West.	Cloudy.	11 40	0 0	
	P. M.	0 0	0 5	25 4	6	S. E.	Clear.	0 0	5 40	
13th	A. M.	0 0	0 6	15 4	8	West.	"	0 0	6 30	
	P. M.	0 15	8 9	0 0	0 0	S. E.	"	0 30	0 0	
14th	A. M.	0 0	0 7	5 4	11	West.	Cloudy.	0 0	7 20	
	P. M.	1 5	8 6	0 0	0 0	S. E.	Clear.	1 20	0 0	
15th	A. M.	0 0	0 7	53 5	1	West.	"	0 0	8 8	
	P. M.	1 53	8 10	0 0	0 0	S. E.	Cloudy.	2 8	0 0	
16th	A. M.	0 0	0 8	38 4	9	West.	Clear.	0 0	8 53	
	P. M.	2 38	8 4	0 0	0 0	S. E.	"	2 53	0 0	
17th	A. M.	0 0	0 9	23 4	6	West.	"	0 0	9 38	
	P. M.	3 23	8 10	0 0	0 0	S. E.	"	3 38	0 0	
18th	A. M.	0 0	0 10	13 4	7	West.	"	0 0	10 28	
	P. M.	4 13	9 4	0 0	0 0	"	Cloudy.	4 28	0 0	
19th	A. M.	0 0	0 11	3 4	8	"	"	0 0	11 18	
	P. M.	5 3	10 0	0 0	0 0	"	Clear.	5 18	0 0	
20th	A. M.	0 0	0 11	53 4	6	"	Cloudy.	0 0	0 8	
	P. M.	5 53	10 0	0 0	0 0	"	"	6 8	0 0	
21st	A. M.	6 43	10 3	0 0	0 0	"	"	6 58	0 0	
	P. M.	0 0	0 0	43 4	4	"	"	0 0	0 58	
22nd	A. M.	7 30	10 6	0 0	0 0	"	"	7 45	0 0	
	P. M.	0 0	0 1	30 5	4	"	"	0 0	1 45	
23rd	A. M.	8 15	10 9	0 0	0 0	"	"	8 30	0 0	
	P. M.	0 0	0 2	15 5	9	"	"	0 0	2 30	
24th	A. M.	9 0	11 0	0 0	0 0	S. W.	Clear.	9 15	0 0	
	P. M.	0 0	0 3	0 6	6	West.	Cloudy.	0 0	3 15	
25th	A. M.	9 45	11 6	0 0	0 0	"	Clear.	10 0	0 0	
	P. M.	0 0	0 3	45 7	4	"	Clear.	0 0	4 0	
26th	A. M.	10 35	12 6	0 0	0 0	"	Cloudy.	10 50	0 0	
	P. M.	0 0	0 4	35 8	6	"	Clear.	0 0	4 50	
27th	A. M.	11 25	13 5	0 0	0 0	"	Cloudy.	11 40	0 0	
	P. M.	0 0	0 5	25 9	9	"	Clear.	0 0	5 40	
28th	A. M.	0 0	0 6	15 9	6	"	Clear.	0 0	6 30	
	P. M.	0 15	12 9	0 0	0 0	"	Cloudy.	0 30	0 0	
29th	A. M.	0 0	0 7	5 8	3	"	Clear.	0 0	7 20	
	P. M.	1 5	11 8	0 0	0 0	"	"	1 20	0 0	
30th	A. M.	0 0	0 7	53 8	0	"	"	0 0	8 8	
	P. M.	1 53	11 0	0 0	0 0	"	"	2 8	0 0	

MASTER ATTENDANT'S OFFICE,

(Signed) H. THOMSON,

COCANADA, 10th July 1857.

Master Attendant.

No. 15. To SIR JAMES C. MELVILL, K. C. B., Secretary at the East India House, dated the 3rd August 1857, No. 303.

SIR,

I am directed by the Governor in Council to forward, for submission to the Honorable the Court of Directors, the Register of Tides observed in the Cocanada River, from 1st January to 30th June 1857.

(Signed) E. MALTBY,

Acting Chief Secretary.

Exd. A. P. W. Begbie.

same Branch

11/8/57

Hopes

Marine Department.

N^o 303

To

Sir James C. Melville, K. C. B.

Secretary at the East India House.

Sir,

I am directed by the
~~Register~~ the Governor in
Council to forward, for submission
to the Honorable the Court of
Directors, the Register of Tides
observed in the Cacanada River
from 1st January to 30th June 1857.

H
W
O

I have &c

Yours &c

Fort St. George,
3rd August
1857.

Most Respectfully

Copy to the Board of Commissioners - See notes to follow

14815

Dec 88

Wm By Hens: 22 Aug 87
Marine 8837 88 March 87

No 303

To
The Secretary of the
Anti-Slavery Bureau

9/30 Aug 87

e 28 July
R. 1 Aug