

MADRAS RECORD OFFICE.

Government of Madras.

Marine - DEPARTMENT.

G.O. No. 59

Press
~~Mis.~~

Dated 6 2 1857

Not to be folded or roughly handled

N. 371

From

J. I. Franklin Esq^r
Secretary Marine Board

To

J. Pycroft Esq^r
Chief Secretary to Government
Fort Saint George.

Sir,

I have the honor by desire
of the Marine Board to forward herewith
the monthly Register of the rise and fall
of the tides at Coringa during the half
year ending 31st December 1856.

Madras
Marine Board Office }
29th January 1857

I have the honor to be
Sir,

Your Most Obedient Servant

Wm. Beattie
Secretary

Copied by J. M.
E. D.

Register of Tides Observed in Comandor River from
1st July 1856.

Date	High Water		Low Water		Range of Tide	Winds		Time of Stream		Name of Observer
	Time	Height	Time	Height		Direction	Force	Flood	Ebb	
1 st July	3.15	10-9	"	"	"	West	Clear	8-30	"	"
2 nd July	3.15	"	"	"	"	SW	"	"	2-30	"
3 rd July	3.15	"	"	"	"	West	Cloudy	9-15	"	"
4 th July	3.15	"	"	"	"	SW	"	"	3-15	"
5 th July	3.15	"	"	"	"	West	"	10	"	"
6 th July	3.15	"	"	"	"	N.W.	"	"	4	"
7 th July	3.15	"	"	"	"	West	Cloudy	10-50	"	"
8 th July	3.15	"	"	"	"	N.W.	"	"	4-50	"
9 th July	3.15	"	"	"	"	West	"	11-40	"	"
10 th July	3.15	"	"	"	"	N.W.	"	"	5-40	"
11 th July	3.15	"	"	"	"	West	"	"	6-30	"
12 th July	3.15	"	"	"	"	N.W.	"	"	30	"
13 th July	3.15	"	"	"	"	West	"	"	7-20	"
14 th July	3.15	"	"	"	"	N.W.	"	1-20	"	"
15 th July	3.15	"	"	"	"	West	Clear	"	8-8	"
16 th July	3.15	"	"	"	"	N.W.	"	2-8	"	"
17 th July	3.15	"	"	"	"	West	"	"	8-50	"
18 th July	3.15	"	"	"	"	N.W.	"	"	"	"
19 th July	3.15	"	"	"	"	West	Cloudy	"	9-55	"
20 th July	3.15	"	"	"	"	N.W.	"	3-38	"	"
21 st July	3.15	"	"	"	"	West	"	"	10-28	"
22 nd July	3.15	"	"	"	"	SW	"	4-28	"	"
23 rd July	3.15	"	"	"	"	West	"	"	11-18	"
24 th July	3.15	"	"	"	"	"	"	5-18	"	"
25 th July	3.15	"	"	"	"	"	"	"	"	"
26 th July	3.15	"	"	"	"	"	"	6-8	"	"
27 th July	3.15	"	"	"	"	"	"	6-58	"	"
28 th July	3.15	"	"	"	"	N.W.	"	"	"	"
29 th July	3.15	"	"	"	"	West	"	7-45	"	"
30 th July	3.15	"	"	"	"	N.W.	"	"	1-45	"
31 st July	3.15	"	"	"	"	West	"	8-30	"	"
1 st Aug	3.15	"	"	"	"	N.W.	"	"	2-30	"
2 nd Aug	3.15	"	"	"	"	West	"	9-15	"	"
3 rd Aug	3.15	"	"	"	"	S.W.	"	"	3-15	"
4 th Aug	3.15	"	"	"	"	West	"	10	"	"
5 th Aug	3.15	"	"	"	"	S.W.	"	"	4	"
6 th Aug	3.15	"	"	"	"	West	Clear	10-50	"	"
7 th Aug	3.15	"	"	"	"	"	Cloudy	"	4-50	"
8 th Aug	3.15	"	"	"	"	"	"	"	40	"
9 th Aug	3.15	"	"	"	"	S.W.	"	"	5-40	"

Signed C. Polansky
Small

Robert Smith July 1857

to Com. 6 - February
1857 Departure

from
The Landing, Macmillan

To the Chief of Party
& Government

Fort St. George

July 29th 1857

1857

1857

Comandor River
1857

July 1856.

Date	High Water -		Low Water		Range of Tides	Wind -		Time of Stream		Name of Observer
	Time	Height	Time	Height		Direction	Force	Flood	Ebb	
21 st Am.	"	"	"	6	15	4	2	West	"	"
Pm.	15	11	"	"	"	"	"	6-30	"	"
22 nd Am.	"	"	"	7	5	4	"	West	"	"
Pm.	"	"	"	"	"	"	"	4-20	"	"
23 rd Am.	"	"	"	"	"	"	"	West	"	"
Pm.	53	9	8	"	"	"	"	8-8	"	"
24 th Am.	"	"	"	8	38	4	5	West	"	"
Pm.	38	9	2	"	"	"	"	8-53	"	"
25 th Am.	"	"	"	9	23	4	7	West	Cloudy	"
Pm.	23	8	9	"	"	"	"	9-58	"	"
26 th Am.	"	"	"	10	13	4	9	West	Cloudy	"
Pm.	13	8	6	"	"	"	"	10-28	"	"
27 th Am.	"	"	"	11	3	4	11	West	"	"
Pm.	"	"	"	"	"	"	"	11-18	"	"
28 th Am.	"	"	"	11	53	5	"	West	"	"
Pm.	53	9	"	"	"	"	"	8	"	"
29 th Am.	43	9	6	"	"	"	"	West	"	"
Pm.	"	"	"	13	5	3	4-4	5 W.	"	58.
30 th Am.	30	9	9	"	"	"	"	West	"	"
Pm.	"	"	"	1	30	5	4	1-45	"	"
31 st Am.	13	10	"	"	"	"	"	West	"	"
Pm.	"	"	"	2	13	5	6	2-30	"	"

Signed/ C. Polansky

Indel

August 1856.

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Date	High Water -		Low Water		Range of Tides	Wind		Time of Stream		Name of Observer
	Time	Height	Time	Height		Direction	Force	Flood	Ebb	
1 st Am.	9	"	11	"	"	"	"	West	Cloudy	9 15
Pm.	"	"	"	3	"	5	2	S. W.	"	3 15
2 nd Am.	9	45	12	2	"	"	"	West	"	10
Pm.	"	"	"	3	45	5	4	S. W.	"	4
3 rd Am.	10	35	13	5	"	"	"	West	"	10-50
Pm.	"	"	"	4	35	5	"	"	"	4-50
4 th Am.	11	25	12	2	"	"	"	West	"	11 40
Pm.	"	"	"	5	25	4	10	S. W.	"	5 40
5 th Am.	"	"	"	6	15	4	9	West	"	6-30
Pm.	"	15	12	"	"	"	"	S. W.	"	30
6 th Am.	"	"	"	7	5	4	8	West	"	7-20
Pm.	1	5	11	8	"	"	"	S. W.	"	1 20
7 th Am.	"	"	"	7	53	4	6	West	"	8-8
Pm.	1-53	11	4	"	"	"	"	S. W.	Clear	2-8
8 th Am.	"	"	"	8	38	4	2	West	"	8-53
Pm.	2	38	10	4	"	"	"	W. S. W.	"	2-53
9 th Am.	"	"	"	9	23	4	"	West	"	9-38
Pm.	3-23	9	6	"	"	"	"	W. S. W.	"	3-38
10 th Am.	"	"	"	10	13	4	1	West	"	11-18
Pm.	4-13	9	2	"	"	"	"	W. S. W.	"	5-18
11 th Am.	"	"	"	11	3	4	2	West	"	11-18
Pm.	5	3	8	6	"	"	"	W. S. W.	"	5-18
12 th Am.	"	"	"	11	53	4	4	West	"	8
Pm.	5-53	8	"	"	"	"	"	W. S. W.	"	6-8
13 th Am.	6-43	8	4	"	"	"	"	West	"	6-58
Pm.	"	"	"	13	4	6	3-10	S. W.	"	58
14 th Am.	7-30	8	8	"	"	"	"	West	"	7-45
Pm.	"	"	"	1-30	4	8	4	S. W.	"	1-45
15 th Am.	8	15	8	10	"	"	"	West	"	8-30
Pm.	"	"	"	2	15	4	10	S. W.	"	2-30
16 th Am.	9	"	9	"	"	"	"	West	Cloudy	9-15
Pm.	"	"	"	3	"	5	"	S. W.	"	3-15

Signed/ C. Polansky

Indel

August 1856

Date	High Water		Low Water		Range Tide	Wind	Time of Stream		Name of Observer
	Time	Height	Time	Height			Flood	Ebb	
17th	Am.	9 45	9 44	" "	" "	West Cloudy	" "	" "	" "
	Pm.	" "	" 3 45	5 33	4 3	S.W.	" "	" 4 "	" "
18th	Am.	10 55	9 6	" "	" "	West clear	10 50	" "	" "
	Pm.	" "	" 4 35	5 4	4 3	S.W. cloudy	" "	" 4 50	" "
19th	Am.	11 25	9 8	" "	" "	West "	" 11 40	" "	" "
	Pm.	" "	" 5 25	5 6	4 2	S.W.	" "	" 5 40	" "
20th	Am.	" "	" 6 15	5 8	" "	W. S.W.	" "	" 6 50	" "
	Pm.	" 15	9 2	" "	3 6	S.W.	" "	" 30 "	" "
21st	Am.	" "	" 7 55	5 2	" "	West "	" "	" 7 20	" "
	Pm.	" 1 5	9 "	" "	3 10	S.W.	" 1 20	" "	" "
22nd	Am.	" "	" 7 55	5 "	" "	West "	" "	" 8 8	" "
	Pm.	" 1 53	8 9	" "	3 9	S.W.	" 2 8	" "	" "
23rd	Am.	" "	" 8 38	4 11	" "	West "	" "	" 8 53	" "
	Pm.	" 2 38	8 7	" "	3 9	S.W.	" 2 53	" "	" "
24th	Am.	" "	" 9 38	4 6	" "	West "	" "	" 9 38	" "
	Pm.	" 3 33	9 2	" "	4 8	S.W.	" 3 38	" "	" "
25th	Am.	" "	" 10 13	4 8	" "	West clear	" "	" 10 28	" "
	Pm.	" 4 13	9 4	" "	4 8	S.W. Cloudy	" 4 28	" "	" "
26th	Am.	" "	" 11 3	4 9	" "	West "	" "	" 11 18	" "
	Pm.	" 5 3	9 8	" "	4 11	S.W.	" 5 18	" "	" "
27th	Am.	" "	" 11 53	4 11	" "	East "	" "	" 8	" "
	Pm.	" 5 53	10 "	" "	5 1	S.W.	" 6 8	" "	" "
28th	Am.	" 6 43	10 2	" "	" "	West "	" 6 58	" "	" "
	Pm.	" "	" 11 43	5 2	5 1	S.W.	" "	" 5 8	" "
29th	Am.	" 7 30	10 4	" "	" "	West "	" 7 45	" "	" "
	Pm.	" "	" 1 30	5 4	5 1	S.W.	" "	" 1 45	" "
30th	Am.	" 8 15	10 7	" "	" "	West "	" 8 30	" "	" "
	Pm.	" "	" 2 15	5 9	4 10	S.W.	" "	" 2 30	" "
31st	Am.	" "	" "	" "	" "	West "	" 9 15	" "	" "
	Pm.	" "	" 3 "	5 8	5 4	S.W.	" "	" 3 15	" "

Signed/ C. Polamach Indel

September 1856

Date	High Water		Low Water		Range Tide	Wind	Time of Stream		Name of Observer
	Time	Height	Time	Height			Flood	Ebb	
1st	Am.	9 45	11 2	" "	" "	West Cloudy	10 "	" "	" "
	Pm.	" "	" 3 45	5 6	5 8	S.W.	" "	" 4 "	" "
2nd	Am.	10 35	11 4	" "	" "	West "	" 10 50	" "	" "
	Pm.	" "	" 4 35	5 4	6 "	" "	" "	" 4 50	" "
3rd	Am.	11 25	11 7	" "	" "	West "	" 11 40	" "	" "
	Pm.	" "	" 5 25	5 2	6 5	S.W.	" "	" 5 40	" "
4th	Am.	" "	" 6 15	5 "	" "	West "	" "	" 6 30	" "
	Pm.	" 15	11 9	" "	6 9	S.W. clear	" 11 30	" "	" "
5th	Am.	" "	" 7 5	4 8	" "	West "	" "	" 7 20	" "
	Pm.	" 1 5	11 4	" "	6 8	S.W.	" 1 20	" "	" "
6th	Am.	" "	" 7 53	4 6	" "	West "	" "	" 8 8	" "
	Pm.	" 1 53	11 "	" "	6 6	S.W.	" 2 8	" "	" "
7th	Am.	" "	" 8 38	4 5	" "	West "	" "	" 8 53	" "
	Pm.	" 2 38	10 4	" "	5 11	S.W.	" 2 53	" "	" "
8th	Am.	" "	" 9 23	4 4	" "	West "	" "	" 9 38	" "
	Pm.	" 3 23	9 6	" "	5 2	S.W.	" 3 38	" "	" "
9th	Am.	" "	" 10 13	4 2	" "	West "	" "	" 10 28	" "
	Pm.	" 4 13	9 2	" "	5 "	S.W.	" 4 28	" "	" "
10th	Am.	" "	" 11 3	4 4	" "	West "	" "	" 11 18	" "
	Pm.	" 5 3	9 4	" "	5 "	W. S.W.	" 5 18	" "	" "
11th	Am.	" "	" 11 53	4 10	" "	West Cloudy	" "	" 8	" "
	Pm.	" 5 53	10 2	" "	5 4	W. S.W.	" 6 8	" "	" "
12th	Am.	" 6 43	11 "	" "	" "	West "	" 6 58	" "	" "
	Pm.	" "	" 11 43	5 2	5 10	W. S.W.	" "	" 5 8	" "
13th	Am.	" 7 30	12 4	" "	" "	West Cloudy	" 7 45	" "	" "
	Pm.	" "	" 1 30	7 4	5 "	W. S.W.	" "	" 1 15	" "
14th	Am.	" 8 15	11 8	" "	" "	West "	" 8 30	" "	" "
	Pm.	" "	" 2 15	8 6	6 3	W. S.W.	" "	" 2 30	" "
15th	Am.	" 9 "	13 6	" "	" "	West "	" 9 15	" "	" "
	Pm.	" "	" 3 "	7 9	5 9	S.E.	" "	" 3 15	" "

Signed/ C. Polamach Indel

October 1856.

Date	High Water Time Height	Low Water Time Height	Range Tide	Winds Direction Force	Time of Stream Flood Ebb.	Name of Character
16 th	AM 9-45 14-0	PM 3-45 9-6	4-6	East clear	10-0	"
17 th	AM 10-35 13-6	PM 4-35 8-9	4-9	S.E.	11-40	"
18 th	AM 11-25 13-9	PM 5-25 6-9	7-1	S.E.	5-40	"
19 th	AM 11-15 13-6	PM 6-15 6-3	6-10	S.E.	30	"
20 th	AM 11-15 13-6	PM 7-5 6-1	6-4	East	1-20	"
21 st	AM 11-15 13-6	PM 7-53 5-9	6-3	North	8-8	"
22 nd	AM 11-15 13-6	PM 8-38 5-4	6-3	East	2-8	"
23 rd	AM 11-15 13-6	PM 8-38 5-4	6-3	North	8-53	"
24 th	AM 11-15 13-6	PM 9-23 5-1	5-1	East	2-53	"
25 th	AM 11-15 13-6	PM 9-23 5-1	5-1	North	9-38	"
26 th	AM 11-15 13-6	PM 10-13 4-10	5-1	East	3-38	"
27 th	AM 11-15 13-6	PM 10-13 4-10	5-1	North	10-38	"
28 th	AM 11-15 13-6	PM 11-3 4-11	5-3	East	4-28	"
29 th	AM 11-15 13-6	PM 11-53 5-2	5-4	North	11-18	"
30 th	AM 11-15 13-6	PM 12-10 5-1	5-4	East	5-18	"
31 st	AM 11-15 13-6	PM 12-10 5-1	5-4	North	6-8	"
1 st	AM 11-15 13-6	PM 12-10 5-1	5-4	East	6-58	"
2 nd	AM 11-15 13-6	PM 12-10 5-1	5-4	North	4-58	"
3 rd	AM 11-15 13-6	PM 12-10 5-1	5-4	East	4-58	"
4 th	AM 11-15 13-6	PM 12-10 5-1	5-4	North	4-58	"
5 th	AM 11-15 13-6	PM 12-10 5-1	5-4	East	4-58	"
6 th	AM 11-15 13-6	PM 12-10 5-1	5-4	North	4-58	"
7 th	AM 11-15 13-6	PM 12-10 5-1	5-4	East	4-58	"
8 th	AM 11-15 13-6	PM 12-10 5-1	5-4	North	4-58	"
9 th	AM 11-15 13-6	PM 12-10 5-1	5-4	East	4-58	"
10 th	AM 11-15 13-6	PM 12-10 5-1	5-4	North	4-58	"
11 th	AM 11-15 13-6	PM 12-10 5-1	5-4	East	4-58	"
12 th	AM 11-15 13-6	PM 12-10 5-1	5-4	North	4-58	"
13 th	AM 11-15 13-6	PM 12-10 5-1	5-4	East	4-58	"
14 th	AM 11-15 13-6	PM 12-10 5-1	5-4	North	4-58	"
15 th	AM 11-15 13-6	PM 12-10 5-1	5-4	East	4-58	"

Signed/ C. Polannak Indel

November 1856.

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Date	High Water Time Height	Low Water Time Height	Range Tide	Winds Direction Force	Time of Stream Flood Ebb.	Name of Character
1 st	AM 10-35 12-4	PM 4-35 5-6	6-10	North Cloudy	10-50	"
2 nd	AM 11-25 12-11	PM 5-25 5-2	6-10	East	4-50	"
3 rd	AM 11-25 12-11	PM 5-25 5-2	6-10	N.E. clear	11-40	"
4 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	5-40	"
5 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	6-30	"
6 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	30	"
7 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	1-20	"
8 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	8-8	"
9 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	2-8	"
10 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	8-53	"
11 th	AM 11-25 12-11	PM 5-25 5-2	6-10	S.E.	2-53	"
12 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.E.	9-38	"
13 th	AM 11-25 12-11	PM 5-25 5-2	6-10	S.E.	3-38	"
14 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.E.	10-28	"
15 th	AM 11-25 12-11	PM 5-25 5-2	6-10	East	4-28	"
16 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.E.	11-18	"
17 th	AM 11-25 12-11	PM 5-25 5-2	6-10	East	5-18	"
18 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.E.	8	"
19 th	AM 11-25 12-11	PM 5-25 5-2	6-10	East	6-8	"
20 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.E.	6-58	"
21 st	AM 11-25 12-11	PM 5-25 5-2	6-10	"	7-45	"
22 nd	AM 11-25 12-11	PM 5-25 5-2	6-10	"	1-45	"
23 rd	AM 11-25 12-11	PM 5-25 5-2	6-10	N.W.	8-30	"
24 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.W.	2-30	"
25 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	9-15	"
26 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.E.	3-15	"
27 th	AM 11-25 12-11	PM 5-25 5-2	6-10	N.W.	10	"
28 th	AM 11-25 12-11	PM 5-25 5-2	6-10	East	11	"
29 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	"	"
30 th	AM 11-25 12-11	PM 5-25 5-2	6-10	"	"	"
31 st	AM 11-25 12-11	PM 5-25 5-2	6-10	"	"	"

Signed/ C. Polannak Indel

November 1856

Date	High Water Time	Height	Low Water Time	Height	Range Tide	Winds Direction Force	Time of Tide Flood Ebb	Name of Steamer
16 th	Am 10	35 11	"	"	"	N.W. clear	10-50	"
	Pm	"	"	"	"	East	"	"
17 th	Am 11	35 11	"	"	"	N.E.	11-40	"
	Pm	"	"	"	"	"	"	"
18 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
19 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
20 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
21 st	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
22 nd	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
23 rd	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
24 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
25 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
26 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
27 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
28 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
29 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
30 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"

Signed C. Palmer
Tide

December 1856

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Date	High Water Time	Height	Low Water Time	Height	Range Tide	Winds Direction Force	Time of Tide Flood Ebb	Name of Steamer
1 st	Am 10	35 12	3	"	"	N.E. clear	10-50	"
	Pm	"	"	"	"	East	"	"
2 nd	Am 11	25 12	2	"	"	N.E.	11-40	"
	Pm	"	"	"	"	East	"	"
3 rd	Am	"	"	"	"	N.E.	"	"
	Pm	"	"	"	"	East	"	"
4 th	Am	"	"	"	"	N.E.	"	"
	Pm	"	"	"	"	East	"	"
5 th	Am	"	"	"	"	N.E. foggy	2-8	"
	Pm	"	"	"	"	N.E. clear	"	"
6 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
7 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
8 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
9 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
10 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
11 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
12 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
13 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
14 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
15 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
16 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
17 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
18 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"
19 th	Am	"	"	"	"	"	"	"
	Pm	"	"	"	"	"	"	"

Signed C. Palmer
Tide

December 1856

Marine Department.

N^o 39

To
Sir James C. Melville, H. C. B.
Secretary at the East India House.

Sir,
I am directed by the
Right Honourable the Governor
in Council to forward, for
submission to the Hon. the
Court of Directors, the Register
of Tides observed in the
Cocanada River from 1st July
to 31st December 1856.

I have &c.

Fort St. George,
15th January 1857.

Wm. D. Huntly

Date	High Water		Low Water		Range	Winds		Time of		Name of
	Time	Height	Time	Height		Direction	Force	Flood	Ebb	
20 th	Am	"	"	"	8 38 4 6	N.E.	clear	"	"	8 53
21 st	Pm	2 38 9	4 " " "	"	10	"	"	2 53	"	"
22 nd	Am	"	"	"	9 23 4 4	"	"	"	"	9 38
23 rd	Pm	3 23 9	"	"	"	"	"	8 38	"	"
24 th	Am	"	"	"	10 13 4 6	"	"	"	"	10 18
25 th	Pm	4 13 9	2 " " "	"	8	"	"	4 28	"	"
26 th	Am	"	"	"	11 3 4 8	"	"	"	"	11 18
27 th	Pm	5 3 9	"	"	"	"	"	5 18	"	"
28 th	Am	"	"	"	11 53 4 10	North	"	"	"	8
29 th	Pm	5 53 9	4 " " "	"	6	N.E.	"	6 8	"	"
30 th	Am	6 43 10	"	"	"	North	"	6 58	"	"
31 st	Pm	"	"	"	13 5	N.E.	"	"	"	58
1 st	Am	7 30 10	3 " " "	"	"	North	"	7 45	"	"
2 nd	Pm	"	"	"	1 30 5 23	N.E.	"	"	"	1 45
3 rd	Am	8 15 10	4 " " "	"	"	North	"	8 30	"	"
4 th	Pm	"	"	"	3 15 4 11	N.E.	"	"	"	2 30
5 th	Am	9 " 10	5 " " "	"	"	North	"	9 15	"	"
6 th	Pm	"	"	"	5 4 9	N.E.	"	"	"	3 15
7 th	Am	10 45 10	10 " " "	"	"	North	"	10 " "	"	"
8 th	Pm	"	"	"	3 45 4 6	N.E.	"	"	"	4 " "
9 th	Am	11 35 10	9 " " "	"	"	East	"	10 50	"	"
10 th	Pm	"	"	"	4 35 4 23	N.E.	"	"	"	11 50
11 th	Am	12 25 10	2 " " "	"	"	North	"	11 40	"	"
12 th	Pm	"	"	"	5 25 4 5	S.E.	"	"	"	5 10

Signal & Observations

Master Attendants Office
Cocanada 6th January 1857

Signed J. P. Cotton
Actg. Master Attendant

Compt. J. Mayne

J. M. Spence

Received of the

On June 6th February
March 1857 \$100

1857

To the order of the
East India House

Pay to the order of
July 1857.

8.

Received of the
for the sum of

and

and

and