

(1) Number of pages _____

(2) Date of repair 23-6-32

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. <u>3448</u>	Press Mis.
<u>24-28</u>	
Dated <u>2</u> — <u>12</u> — <u>1884</u>	

Not to be folded or roughly handled

3162

*Proceedings of the Madras Government, Public Works Department,
2nd December 1864.*

No. 24. Read the following Proceedings of the Madras Government in the Judicial Department:—

Communicating letter from the Inspector General of Jails, making certain suggestions regarding the sinking of a well near the Central Jail at Rajahmundry, Godavery District. (Here enter 22nd November 1864, No. 1,673.)

No. 25. ORDER THEREON, 2nd December 1864, No. 3,445

Communicated to the Superintending Engineer, 1st Division, with a request that he will submit his opinion on the suggestions contained in the letter from the Inspector General of Jails.

(True Extract)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 1st Division.

Exd. T. O'Connor.

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Proceedings of the Madras Government, Judicial Department,
22nd November 1864.

Read the following papers :—

No. 190. From Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division; to Colonel C. A. ORR, R. E., Secretary to Government, D. P. W., Madras, dated Waltair, 19th October 1864, No. 1139.

As directed in paragraph 2 of G. O., No. 2437 of 24th August 1864, I do myself the honor of submitting for sanction the accompanying plan and estimate, amounting to Rupees 7420, for sinking

1 Plan.
1 Estimate.

a well near the Central Jail at Rajahmundry.

2. The Supervisor in charge of the Range ascribes the delay, in preparation of the estimate which has occurred, to the novelty of the kind of work for which he had no reliable rates on which to base his estimate.

Referred to the Judicial Department.

(Signed) C. A. ORR, Colonel, R. E.

CHEPAUK, 28th October 1864.

Secretary to Govt., P. W. D.

Referred to the Inspector General of Jails for his opinion.

(Signed) A. J. ARBUTHNOT,

Chief Secretary.

29th October 1864.

No. 191. From J. ROHDE, Esq., Inspector General of Jails; to A. J. ARBUTHNOT, Esq., Chief Secretary to the Government of Fort Saint George, dated Ootacamund, 5th November 1864, No. 301.

In reference to your endorsement of the 29th ultimo on Captain Ryves' letter in the Public Works Department of the 19th idem, referred to the Judicial Department, I have the honor to state that a well is necessary in the Jail under construction, outside the station of Rajahmundry, but that I think a narrow deep well might have been sunk without removing the earth to the extent shown, by staying the sides if necessary with jungle planks and curbs as the work proceeded. There is a well three miles higher up the road, and another there was 30 years ago, about three miles from Rajahnagrum, and from the section of the soil I should not think a wide sloping excavation necessary. Ramaya is a Vizagapatam man, and there this expensive mode of well-sinking in the red sandy soil is, or was in vogue, and this it probably is that has induced him to propose the course. He may also have been induced to this precaution by the nature of the soil pierced in the delta lands, in which, as the soil becomes more and more sandy as the excavation is carried down, it is very unsafe to dig straight down without very careful shoring; but, if I mistake not, the work, if carried on quickly at the Jail site, may, after removing a yard or two of the top soil, be carried down in a small shaft without danger, and think it likely that a bed of white clay will be met with at a depth of 30 or 40 feet, and much will depend on its nature as to the expense of the work; but even if this proves

Proceedings of the Madras Government, Judicial Department,
22nd November 1864.

soft, I do not think any difficulty will be found in retaining it, especially if it is not pierced till the land springs, often found in such stratum, are at their lowest which they will be about May.

2. It may be that the well may be sunk for one-eighth of the proposed cost and I think this likely if the course I propose is followed, namely, sinking a small deep shaft rapidly, and being prepared to shore with planks and curbs if necessary.

N. 192.

ORDER THEREON, 22nd November 1864, No. 1673.

Communicated to the Public Works Department.

(True Extract.)

Chief Secretary.

To the Public Works Department, with a Plan and Estimate returned.

Inspector General of Jails.

Exd. J. Tulloch.

Estimate of the probable amount required for sinking a well
22 feet in diameter, with a cut stone steaming of 1 foot thick at the
Central jail at Rajahmundry.

Measurements	Length	Breadth	Depth	Quantity	Description of work	Rate Per	Amount	Total	Grand Total
					<u>Actual Cost of Excavation</u>				
30 yds			4	2287	Cost of Earth work	1 1/2 Rs	190 9 4		
24 yds			4	120	Do of Do	1 1/2 Rs	58 2		
14 yds			15	218 1/2	Do of Do	2 5/8 Rs	320		
					Do of Do	7 Rs	1050		
					Baling water and sinking the well frame		442 1/2	2061 5 4	
					Value of the well frame as per Workshop Bill			483 6 5	
					<u>Actual Cost of the Cut stone steaming already built to the height of 51 feet from the bottom of well</u>				
72.4	1.0	15		1085	Cost of Cut stone in Chumam	29 1/2 Rs	1167 10 9		
72.4	1.0	15		1085	Do Do Do	22 6 11	901 7 1		
72.4	1.0	15		1085	Do Do Do	18 0 4	724 2 9		
72.4	1.0	6		434 0 1/2	Do Do Do	17 8	281 4 9	3074 9 4	5619 5 1
					<u>Probable cost of the 22 1/2 feet of steaming yet to be built</u>				
72.4	1.0	9		651	Cost of Cut stone in Chumam	17 8	421 15 7		
72.4	1.0	13.6		976.6	Do Do Do	16 1/4	610 5 0	1032 4 1	
					Cost of Earth work for filling in the outside of the steaming	1 Rs	412 8 0	412 8 0	1444 12 1
								7064 1 2	
					Contingencies at 5 per Cent			355 4 10	
					<u>Total Rs.</u>			7420 0 0	

Rajahmundry
15th Oct 1864

Supr. Engr. & B. Engr.

Supr. Engineer 1st Division

From A. P. Tennant
Chief Clerk of the
U. S. Navy Department

Oct 15th 1864
Recd

Enclosed are
statements of the probable
costs required for
building a 100 ft. pier
in connection with the
new wharves of the
at the Custom House wharf
Philadelphia

3740
977744/14

22/4

Received of the
U. S. Navy Department
the sum of \$3740
for the building of a pier
at the Custom House wharf
Philadelphia

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