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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Pub DEPARTMENT

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G.O. No.	1301-A	Sub	Press.
B.P. No.			Mis.
Dated	26	9	1881

AK

Not to be folded or roughly handled

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- OR: Furniture and Miscellaneous Articles

- 2 Record books for office books, stationery, &c.
- 2 Pairs of folding camp-tables for offices &c.
- 4 Camp-stools or folding chairs.
- 1 Small medicine chest.
- 1 Case of surgical instruments. } for the use of the Hospital.
- 4 Tin pans of size for heating maps and plans.
- 1 "Snider" or "Hunt" Manual. Each one regulated with the
- 100 Pounds of ammunition for above.
- 1 Gunner's quadrant with sound and compass.
- 1 Public Works Department pots and kettles for public

ANSWER B.
Approximate Estimate of cost of reconnaissance for entry for a Railway between Bangalore and
the littoral of Visagapatnam.

Pay of Mr. Nordmann, Executive Engineer, 2nd Grade + travelling allowance for six months with 50 per cent. added = $(1200 + 225) \times 6$...	8,550
Pay of Mr. Corrae, Sub Engineer, 3rd Grade do. do. = $(875 + 135) \times 6$...	3,050
Petty Establishment at Rs. 150 per mensem, for six months ...	900
Mr. Nordmann's travelling expenses, Ootacamund to Mettupalaiyam at 8 annas per mile, 34 miles ...	17
Do. do. Mettupalaiyam to Madras at 3 annas per mile ...	62
Madras to Vizagapatam by steamer, passages for Mr. Nordmann and Lascars ...	150
Camp Equipage.	
2 Storehouses tents at Rs. 200 ...	400
2 Bell tents at Rs. 200 ...	400
8 Paul tents at Rs. 100 ...	800
2 Small Sepoy tents for cooking at Rs. 50 ...	100
2 " " for Kaveria subordinates (paragraph 14) and sercant ...	100
2 Necessary tents at Rs. 50 ...	100
Cost of feeding Elephants at Rs. 50 per mensem ...	300
Total ..	14,950

PUBLIC WORKS DEPARTMENT.

16th September 1881, No. 2,294 W.

Buildings and Roads.
Civil Works.

Read the following papers:—

- No. 119. From the Agent to the Governor, Vizagapatam, to the Secretary to Government, Public Works Department, dated Camp, Koraput, 13th January 1881, No. 16.

From the Executive Engineer, Vizagapatam Division, to the Agent to the Governor,
Vizagapatam, dated Camp, Potinghy, 29th December 1880, No. 2,952.

- No. 120. Note by the Chief Engineer, Public Works Department, dated 26th January 1881.

- No. 121. Minute by the Honorable D. F. DARMICHAEL, dated Camp Jeypore,
3rd April 1881.

Read again—

G.O., Nos. 588—9 R., dated 14th September 1881, in the Railway Branch, on letter from the Government of India, No. 619 R.O., dated 18th August 1881.

- No. 122. ORDER THEREON, 16th September 1881, No. 2,294 W.

To insure an early preliminary examination of the country as called for by the Government of India in view to the selection of the best line for a railway between the littoral of Vizagapatam and Raipore in the Chattisgarh District of the Central Provinces, the Honorable the Governor in Council is pleased to nominate Mr. K. F. Nordmann, Executive Engineer, Second Grade for the duty with effect from the 1st proximo, or such other date as he may be enabled to resign his present privilege.

8 Tent Lascars.
4 Do. for two Perambulators

8	Tent Lascars.		
4	Do.	for two Perambulators.	
2	Do.	in charge of Aneroids.	
			Per Month.
Total 14	Lascars at Rs. 10	...	RS. 140
1	Servant for the Hospital	...	
	Assistant at Rs. 10	...	10
	Total per mensem	...	150

N.B.—The pay specified is to include all travelling allowances.

properly qualified Hospital Assistant (with a suitable supply of medicines) to accompany and take medical charge of the reconnoitring party under the Executive Engineer for about six months, during which, it is thought the investigation may possibly extend.

4. Mr. Nordmann will be supplied free of charge with the tents and office requirements specified in attachment A, and while engaged on this special duty the provision of paragraph 673 of the Madras Public Works Code will be extended to him and also to Sub-Conductor Cormac. Mr. Nordmann will further be supplied with a free passage for himself, servants, and such of the establishment as he proposes to take with him from Madras to Vizagapatam.

5. The general scope of the inquiry having already been indicated in the Government of India letter read to the Board, it is here sufficient to add the following observations as a guide to the special objects in view, viz., to ascertain the best of the alternative routes, (1) that starting from Párvatipur and passing via Rayaghada through either Bandisor or Dadpur east of the Nawagarh hills to Raipore, or (2) that starting from Salur and passing through Nawagarh west of the above hills to Raipore, which is that more especially adverted to in the letter from the Government of India.

6. So far as can be ascertained by an examination of the maps, the reconnaissance for the purposes of Mr. Nordmann's report may be conveniently divided into the following sections, viz. :—

- (1) The route from Rayaghada through Bismkattak and Ambadola towards Dadpur.
- (2) The alternative route from Rayaghada through Singapur to Bandisor and Dadpur.
- (3) The best route from Dadpur, east of the Nawagarh hills, to Aruing and Raipore.
- (4) The best route from Raipore, through Dhamtari if possible west of the Nawagarh hills, to Naorangpur.
- (5) The route from Naorangpur to Jeypore and Kuraputi.
- (6) The route by the eastern road to the same place.
- (7) The best route from Kuraputi to Salur.

7. Only obligatory towns have purposely been named on both the alternative lines as above selected for inquiry, it being very desirable that in all other respects Mr. Nordmann should be perfectly free to select the easiest line for the location of a railway.

8. Maps on the largest published scale will be supplied in duplicate to Mr. Nordmann, and on these he will lay down as carefully as circumstances admit, not only the line which seems to him to be the best, but such others as may show themselves to be feasible alternatives, and which he may have examined, distinguishing, of course, the one he prefers.

9. Longitudinal sections shall be given of the latter, with the heights determined by the aneroid.

Horizontal scale 1 inch to the mile.
Vertical " " " " = 200 feet.

The sections should as far as possible show where rock, hard, medium, or boggy soil prevails, also if flat or side-hilly.

10. The general character of the country passed should be noted, and as far as possible cross sections given of all rivers requiring to be crossed by bridges of 30 feet span and upwards, giving also the character of the banks and bed.

11. For the rest of the drainage it will suffice to allow an approximate number of running feet per mile.

12. Observations should further be recorded under the following heads :—

- (1) Building material procurable.
- (2) Character and amount of fuel available.
- (3) Rates of skilled and unskilled labor.
- (4) Camping grounds, drinking water, &c.
- (5) Climate and working seasons.
- (6) Cultivation and manure.
- (7) Trade and trade routes.
- (8) Population and land available for immigrants.

13. The Superintending Engineer, First Circle, should warn Sub-Conductor Cormac to hold himself in readiness for the special duty assigned to him.

14. The instruments, &c., required will be supplied by the Public Works Stores at Madras and the stationery by the Superintendent of Stationery. The Deputy Chief Engineer will see that the requirements in these respects are fully met and duly despatched to Vizagapatam.

15. Copy of these Proceedings will also be furnished to the Agent to the Governor at Vizagapatam, with a request that he will arrange for such aid being given to Mr. Nordmann as may be needful as regards supplies, &c., along the route, and that he will arrange to attach to the party some intelligent person conversant with the vernacular of the tracts to be passed through.

16. The Chief Commissioner of the Central Provinces and the Government of India will also be furnished with copies of these Proceedings.

(True Extract)

(Signed) H. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To K. F. Nordmann, Esq.
To the Superintending Engineer, First Circle.
" Executive Engineer, Vizagapatam.
" Consulting Engineer for Railways.
" Surgeon-General with the Government.
" Public Department.
" Revenue.
" Agent to the Governor at Vizagapatam.
" Deputy Chief Engineer, Madras.
" Examiner of Public Works Accounts.

F. Austin.
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Under 18th Sept
(Communications)

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Current W 2011

26th

Under 26th Sept 1897 - 21st 1901

Recorded