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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 653 Press Mis.

36-29

Dated 2-4- 1862.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 2nd April 1862.

Read the following letters:—

No. 36. Read the following letter from E. G. R. FANE, Esq., Collector and Agent of Vizagapatam, to Colonel W. H. HORSLEY, Chief Engineer and Secretary to Government, Public Works Department, dated Vizagapatam, 18th February 1862, No. 118.

SIR,

1. I have infinite pleasure in forwarding herewith a most liberal offer from His Highness the Rájá of Vizianagram, to share the expenses with Government of a good bullock and horse road from Vizianagram to Jeypore.

2. The offer is the more liberal inasmuch as but very little benefit would accrue to the Rájá's own country or people, and the offer may therefore be supposed to proceed from the Rájá's extreme loyalty, and from his great anxiety to carry out the known wishes of the Government of India to open out in every possible way, and with the greatest celerity, the Cotton growing Districts of Nagpore.

3. This road will lead direct to Raipore, one of the chief of those, and hence the anxiety of the Rájá to begin the work at once.

4. Whether the offer be accepted or not, I hope you will bring the Rájá's liberality prominently to the notice of the Governor in Council, and if accepted, I hope the road, undoubtedly a most important one, will at once be commenced upon.

5. I also beg to bring to your notice, and through you to that of the Government, that this is not by any means a solitary instance of the Rájá's liberality; in fact, without his aid the communications in this District would be exceedingly imperfect, as the following list of roads that he has given money for will clearly show.

6. I hope therefore that some recognition of His Highness' liberal attempts to improve this District may be vouchsafed by Government, and that His Highness may thereby be induced to tread still further in the path he has entered.

List of Roads.

		RS.
1.	Road from Vizianagram to Bimlipatam (executed in 1850 and kept in repair since)	10,000
2.	Do. from do. to Gujgaputtynagram..	1,200
3.	In 1862 do. from do. to Causepooram on the Gálíkonda line, viâ Gopalpilly...	5,000
4.	Do. from Vizagapatam to Vapagoontah...	1,000
5.	Do. from Vapagoontah to Causepooram...	4,500
6.	Do. from Causepooram to Harris Valley	2,000

Besides eight other cross roads made in other parts of the Vizianagram Zamíndári in 1850, cost not known.

Vizagapatam,
Collector and Govt. Agent's Office,
18th February 1862.

(Signed) E. G. R. FANE, *Collector.*

No. 37. From E. G. R. FANE, Esq., Collector of Vizagapatam, to Colonel W. H. HORSLEY, Chief Engineer and Secretary to Government, Public Works Department, dated Vizagapatam, 25th February 1862, No. 142.

SIR,

1. Referring to my letter of the 18th instant, I have the honor to inform you that, I have since received from Major Stewart copies of his two letters to you of the 14th and 15th instant, Nos. 1,262 and 1,266 on the subject of the road to Jeypore.

2. In recording my entire approbation of all the District Engineer has written, I would now again most earnestly press on the Government the desirableness of their at once sanctioning the outlay. I trust also the Government will see fit to accept the Rájá's liberal and timely offer of paying half the cost, so that the work might be proceeded with upon his funds without any delay.

No. 38. From Lieutenant-Colonel J. OUCHTERLONY, Acting Deputy Chief Engineer, Northern Circle, to Lieutenant-Colonel W. H. HORSLEY, Secretary to Government, Public Works Department, dated Chepauk, 8th March 1862, No. 195/V15.

SIR,

1. Government in Proceedings under date 8th February 1862, No. 161, and 31st December 1861, No. 2,461, directed that a survey of the line of road adopted between Vizianagram and Jeypore by the Gálikondah Range of Hills and "Harris Valley" should be prepared; and together with an estimate of the expense of rendering it practicable from Kasipoorem, at the foot of the Hills, to the town of Jeypore, submitted to them by the current month.

1 Letter from District Engineer Vizagapatam, No. 1,262, dated 14th February 1862.
1 Do. No. 1,266, dated 15th February 1862, with 1 enclosure.
1 Sketch.
1 Letter from District Engineer, No. 1,362, 28th February 1862.

2. By the enclosed letters from Major Stewart the Acting District Engineer, dated 14th and 15th February 1862, it will be seen that compliance with these injunctions is not possible. The only Surveyor whom Major Stewart was able to take with him on his expedition has been attacked by fever as have the whole of his Lascars, and although he has succeeded by dint of, I think, highly commendable energy and perseverance, in completing a practicable trace throughout the entire distance, to survey and estimate for its development into a cart road at the same time was naturally impossible.

3. The Government will doubtless consider the result of Major Stewart's operations satisfactory, inasmuch as he has established the fact that a good road can be opened into the heart of the rich and important Jeypore country without having to encounter a heavier gradient than 1 in 20, a circumstance which, considering the rugged nature of portions of the hill tracts traversed, could scarcely have been anticipated.

4. Major Stewart, it will be observed, assigns 127 miles as the total distance between the town of Vizianagram and Jeypore, as follows:—

	Miles.
Vizianagram to Kotoor.....	28
Kotoor to the foot of the hills	3
Traversing the Gálíkonda hills	25
Thence to Petta	58
Petta Ghát	6
Thence to Jeypore	7
Total	127

Of this 96 miles are stated to be on easy ground and 31 miles in Ghâts and over difficult ground.

5. The cost of forming a cart road over the country described, Major Stewart estimates at Rupees 500 per mile for easy ground, and Rupees 1,200 per mile for Ghâts, which would give a total of *Rupees* 85,200 for the entire work.

6. Looking to the serious difficulties to be encountered along the line in question, as enumerated by Major Stewart; the feverish character of the jungly portions, the general uncertainty about building materials for bridges, the obstacles in the way of supply of labor and the ravages of tigers in its neighbourhood, I am inclined to consider this estimate too low; and I therefore recommend that the sum of Rupees 1,00,000 be sanctioned for the work, a moiety of which being, I conclude, contributed by His Highness the Rájá of Vizianagram, would reduce the amount of expenditure by Government to Rupees 50,000.

7. This sum, as stated in Government Order No. 2,461 of 31st December 1861, has been set aside in the Budget of 1862-63 for the opening of the Jeypore road, and it will only therefore remain to obtain the sanction of the Government of India for the outlay, and their assent to the commencement of the work, under its peculiarly exceptional circumstances, without the previous submission of formal detailed estimates.

8. Government will no doubt desire that the Company of Sappers now employed on the line should continue on that duty; in fact their presence, it will be seen, is almost indispensable; and hence as any cessation of labor would multiply cost, it is to be hoped sanction for the vigorous prosecution of the work may be accorded at an early date.

No. 39. ORDER THEREON, 2nd April 1862, No. 653.

1. In the first of these letters, the Collector and Agent Vizagapatam reports the exceedingly liberal offer made by the Rájá of Vizianagram (already brought to notice by the Acting District Engineer,* Major Shaw Stewart), to share with Government the cost of constructing a road from Vizianagram to Jeypore, *viâ* Gálíkonda; and in the second letter, Mr. Fane urges the desirableness of commencing the work at once.

* Letter to Deputy Chief Engineer, Northern Circle, 7th November 11, No. 372.

2. Mr. Fane simply states that the Rájá is willing to give half the cost of the work; but from the letter addressed by the latter to the former, it would appear that the amount offered by him is 50,000 Rupees, under the impression that the road will cost about a lac of Rupees. On referring to paragraphs 3 and 4 of the District Engineer's letter above adverted to (7th November 1861, No. 872), it is observed that that Officer roughly estimated the cost of the road at 2½ lacs, on an average expenditure of 4,000 Rupees a mile for 20 miles of Ghát, and 2,000 Rupees a mile for 85 miles of level road.

3. This discrepancy is, however, cleared up by the further reports of the Acting District Engineer submitted with the third letter recorded above; for in that dated 15th February 1862, No. 1,266 (paragraph 4), Major Stewart explains that his former statement was made under the impression that the Rájá's offer referred to a cart road of at least eight yards in width, and that he now finds that the Rájá meant a good road for bullocks and horses of only four yards in width, which he afterwards calculates may be formed for about 85,000 Rupees. These letters of the District Engineer contain reports of the progress which has been made in opening out a practicable trace throughout the entire distance of about 100 miles from Kotur at the eastern foot of the Gálíkondah range, to Jeypore, and represent at the same time the impossibility, owing to certain difficulties, of submitting by the end of the current month a survey and estimate for its development into a cart road, as directed in Proceedings of Government, dated 31st December 1861, No. 2,461. Major Stewart states, however, that he has gone carefully over the line several times, and feels confident that for an expenditure of about 500 Rupees a mile on the plain, and 1,200 Rupees a mile on the Ghâts, he could open out a road fit for bullocks and horses four yards wide, with all the requisite drainage, but without either metalling or bridges over the larger streams. The entire distance from Vizianagram to Jeypore being 127 miles, of which 96 miles are on easy ground, and 31 on Ghâts, the District Engineer's calculation would make the expense of the road 85,000 Rupees; but considering the peculiar circumstances of the locality, viz., its feverish character, the general uncertainty about building materials for bridges, the difficulty of obtaining labor, and the ravages of tigers, the Deputy Chief Engineer thinks it would be safer to make the amount of the Estimate one lac of Rupees, of which the Rájá of Vizianagram, as already noticed, is prepared to advance one-half.

4. The advantages of the road are pointed out by Major Stewart in paragraph 10 of his letter of the 15th February 1862. He says "not only will it reach the Raipore District, and tap its large cotton crops, but the whole country traversed by the road is rich and productive in the extreme." He adds, "the Wainád is the only part of India which I have seen that will bear comparison with it, but here we have the advantage over the Wainád in the important points of height, latitude, population, and extent." As a reason for opening out the road at once Major Stewart points out the terrible mortality among the natives in the neighbourhood from the ravages of tigers, and instancing several casualties, he concludes that about 200 persons have been killed by tigers within a circle of 10 miles from the village of Bandam within one month, a circumstance that has greatly prejudiced the traffic between Jeypore and the Coast, as the people are afraid to travel along the road except in large bodies, while many small hamlets have been deserted.

5. Under such circumstances, and as the immediate undertaking of the work is urged on all hands, the Rájá's offer will be accepted, and with the money to be placed by him at the disposal of the District Engineer, the work will be put in hand at once; but, as already requested

in Proceedings of Government, 31st December 1861, No. 2,461, no avoidable time will be lost in completing the survey of the line, and preparing and submitting plans and estimates for the approval and sanction of Government. This may be done while the work is in progress.

6. Conceiving that the cost of the road would exceed the limit within which this Government have power to authorize projects, they remarked in Proceedings of the 31st December last that the work would require the sanction of the Government of India; but as the amount of the entire estimate is likely to fall quite within the competence of this Government, irrespectively of the fact that the Rájá of Vizianagram will defray half the amount, the sanction of the Government of India will not be necessary to the project in question. As the estimated amount includes the 9,000 Rupees granted by Proceedings of Government, 23rd November 1861, No. 2,171, for extending the track, the amount which will further have to be provided by Government for the road itself will be about 41,000 Rupees, of which it is observed 30,000 Rupees is provided in the Budget of 1862-63, for expenditure on this work in that year.

7. The Governor in Council has already recorded his sense of the liberal and enlightened offer of the Rájá of Vizianagram; but he now desires that the Collector and Agent will expressly convey to the Rájá the thanks of the Government for the handsome manner in which he has come forward to share with them the expense of forming so important a communication, and their high appreciation of the public spirit displayed by him in this as well as in the other instances brought to notice by Mr. Fane, in paragraph 5 of his letter of the 18th February. A road from Vizianagram to Jeypore will be of immense advantage to the inhabitants of the province generally, but it cannot fail at the same time to be productive of much benefit to the Ryots of the Vizianagram estate.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Secretary to Government.

Pubblic Works Dept

No. 653.

Proceedings of the Madras Government

Under date the 2d ~~March~~ April 1862.

Read the following

letters

From the Collector & Agent Vizagapatam.

Submits the liberal offer of the Rajah of Vizianagram to share the expence with Govt of a good bullock & horse road from Vizianagram to Seytoro.

(Here enter 18th February 1862 No 116)

From the Collector of Vizagapatam

Recommends early sanction of the Road to Seytore, and acceptance of the Rajahs offer to pay half the cost.

(Here enter 25th Feby 1862 No 142)

From the Actg Dy Chief Engr C.C.

Forwards with observations two letters from the Dist Engr Vizagapatam reporting the measures adopted by him for opening out the road to Seytoro.

(Here enter 8th March 1862 No 195)

In the perusal of these letters, the Collector and Agent Vizagapatam requests

Revenue (Despatch) 1862

Ct. a letter from the Collector & Agent Vizagapatam Dated 18th February No 118.

Read 25th February 1862

Letter from the Pubblic Dept of Fort St George Dated 6th May 1862 No 1000 forwarding a sum of Rupees 50000 towards the cost of opening out a road from Seytoro via Gallikota to Vizianagram & directing that the Collector & Agent Vizagapatam be furnished with a Copy of the Proceedings of Government thereon for his information & guidance.

reports the exceedingly liberal offer made by the Rajah of Vizianagram, (already brought to notice by the acting District Engineer,* Major Shaw Stewart), to share with Government the cost of constructing a road from Vizianagram to Jeypore viâ Calikonda; and in the second letter, Mr. Tanc urges the desirableness of commencing the work at once.

2 Mr. Tanc simply states that the Rajah is willing to give half the cost of the work; but from the letter addressed by the latter to the former, it would appear that they

*Letter to Dy. Chief Engr. C.C. 7 Nov. 1871, No. 372.

the amount offered by him is 50,000 Rupees under the impression that the road will cost about a lac of Rupees. On referring to paras 3 and 4 of the District Engineer's letter above adverted to (17th November 1871. No. 372), it is observed that that Officer roughly estimated the cost of the road at 2½ lacs, on an average expenditure of 4000 Rs a mile for 20 miles of ghát, and 2000 Rupees a mile for 85 miles of level road.

3 This discrepancy is however cleared up by the further reports

reports of the Acting District Engineer submitted with the third letter recorded above; for in that dated 15th February 1862, No 1266 / para 4, Major Stewart explains that his former statement was made under the impression that the Rajah's offer referred to a cart road of at least 8 yards in width, and that he now finds that the Rajah meant a good road for bullocks and horses of only 4 yards in width, which he afterwards calculates may be formed for about 85,000 Rupees. These letters of the District Engineer contain reports of the progress which has been made in opening out a practicable trace throughout the entire distance of about 100 miles from Kotiwalla eastern foot of the Gaikondas range, to Jeypore, and represent at the same time the impossibility, owing to certain difficulties, of submitting by the end of the current month a survey and estimate for its development into a cart road, as directed in Proceedings of Government dated 31st December 1861, No 2461. ~~The difficulties which Major Stewart had to contend with were, the~~ ~~loss of the services of~~ his

~~his Surveyor, could make of~~
~~his Carriage from fever, the~~
~~state of his own eyes, and~~
~~the jungly character of~~
~~the tracts thro' which the~~
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4. The advantages of the road are pointed out by Major Shaw in para 10 of his letter of the 15th February. He says "not only will it reach the Raipore districts, and tap its large cotton crops, but the whole country traversed by the road is rich and productive in the extreme". He adds, "the Wynaad is the only part of India which I have seen that will bear comparison with it. But here we have the advantage over the Wynaad in the important points of height, latitude, population, and extent."

As a reason for opening out the road Major Stewart points out the terrible mortality among the natives in the neighbourhood from the ravages of tigers, and instances several cases. He concludes that about 200 persons have been killed by tigers within a circle of 10 miles from the village of Bondam within one month, a circumstance that

has

has greatly prejudiced the traffic between Jeypore and the Coast, as the people are afraid to travel along the road except in large bodies, while many small hamlets have been deserted.

5th Under such circumstances, and as the immediate undertaking of the work is urged on all hands, the Rajah's offer will be accepted, and with the money to be placed by him at the disposal of the District Engineer, the work will be put in hand at once; but, as already requested in Proceedings of Government 31st Dec 1861, No 2461, no avoidable time will be lost in completing the survey of the line, and preparing and submitting plans and estimates for the approval and sanction of Govt. This may be done while the work is in progress.

6th Conceiving that the cost of the road would exceed the limit within which the Govt have power to authorize projects, they remarked in Proc^s of the 31st December last that the work would require the sanction

sanction of the Govt of India; but as the amount of the entire estimate is likely to fall quite within the competence of this Govt, irrespectively of the fact that the Rajah of Vizianagram will defray half the amount, the sanction of the Govt of India will not be necessary to the project in question. As the estimated amount, included the 9000 Rupees granted by Proceedings of Govt 23d November 1861, No 2171, for extending the track, the amount which will further have to be provided by Govt for the road itself will be

be about 41,000 Rupees, of which it is observed 9,000 Rupees is provided in the Budget of 1862/63 for expenditure on this work in that year.

The Governor in Council has already recorded his sense of the liberal and enlightened offer of the Rajah of Vizianagram; but he now desires that the Collector and Agent will expressly convey to the Rajah the thanks of the Government for the handsome manner in which he has come forward ~~to share~~ to share with them the expense of forming

to

to important a communication, and their high appreciation of the public spirit displayed by him in this as well as in the other instances brought to notice by Mr Faure, in paragraph 5 of his letter of the 18th February. A report from Vizianagram to Jeypore will be of important advantage to the inhabitants of the province generally, but it cannot of course at the same time be productive of much benefit to the Rajah of the Vizianagram Estate.

W. W. P.

1 Copy
To The Collector & Agent
Vizagapatam
13 Copies Dep. Chief Engr. Nth. with 5 Encls. Disp.d 4th

Copy in a Letter to England
dated 6th June No. 39 of 1862.

Road from Vizianagrum
to Jeypore, and the rájás
offer to bear half the cost.

Public Works 1862 Dept.
Cons. of Govt. for April 6.

No. 665.
Rec. of the Madras Govt.
dated 2d April 6/62

Letter from the Collr.
and Agent Vizagapatam
on the subject of making
a Road from Vizianagrum
to Jeypore with orders
thereon.

No. 36 at 39.

C 22 March R 25th