

*Proceedings of the Madras Government, Public Works Department,
27th August 1875.*

No. 463. Read the following Proceedings of the Madras Government in the Financial Department, dated 24th June 1875, No. 1,352:—

ABSTRACT.—*Roads in Hill Tracts, Vizagapatam.*—Letter from the District Engineer forwarding correspondence regarding the roads in the Jeypore country referred with remarks to the Public Works Department.

No. 464. ORDER THEREON, 27th August 1875, No. 2,458.

CIVIL WORKS, No. 35.

ORDERED to be recorded, with reference to Financial Department Order, No. 364, dated 19th February, the allotments called for in the 6th paragraph of which have been duly made in the Provincial Budget of 1875-76.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Financial Department. ✓

„ District Engineer, Vizagapatam. ✓

Exd. E. C. Shunker.

Spare Copies

*Proceedings of the Madras Government, Financial Department,
24th June 1875.*

Roads in Hill Tracts—Vizagapatam.

No. 222. Read the following letter from Major J. W. HINDLE, Officiating District Engineer, Vizagapatam, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Waltair, 24th April 1875, No. 138:—

One copy of letter, No. 533, of 3rd April 1875, from Collector to District Engineer.
One copy of letter, No. 52, of 22nd March 1875, from Special Assistant Agent, to the Agent to the Governor of Fort St. George, Vizagapatam.
One original plan.

In continuation of my letter, No. 112, dated 19th April 1875, I have the honor to submit, herewith, for the orders of Government, copies of correspondence received from the Collector of Vizagapatam regarding the roads in the Jeypore country.

From H. St. A. GOODRICH, Esq., Acting Collector and Agent to the Governor of Fort St. George in Vizagapatam, to Major J. W. HINDLE, Officiating District Engineer, Vizagapatam, dated Vizagapatam, 3rd April 1875, No. 533.

I enclose, for your information, a report from my Special Assistant Agent on the whole subject of roads in Jeypore. In the conclusions of Mr. Johnson I concur generally, and I would request that you will, in answering the Proceedings of Government quoted in his first paragraph, forward his report for the consideration of Government.

2. I have already, with my letter, No. 510, dated the 1st April 1875, furnished you with the statements requested by you on the 24th ultimo.

3. There is one exception to my general agreement with Mr. Johnson. In paragraph 10 of his letter he proposes that the funds needed for maintenance and repairs of roads should be provided partly by Government and partly by the Rajah.

4. I have already proposed the constitution of a Rayaghada Local Fund Board. For maintenance and repairs of roads in Jeypore proper Rupees 12,000 is the sum set down by Mr. Johnson as the annual grant needed. The source whence this sum may be obtained does not immediately concern your department.

From E. C. JOHNSON, Esq., Acting Special Assistant Agent, to H. St. A. GOODRICH, Esq., Acting Agent to the Governor of Fort St. George in Vizagapatam, dated Koraput, 22nd March 1875, No. 52.

In G.O., Public Works Department, No. 654, dated the 6th instant, Government call for certain information concerning roads in Jeypore. This I have the honor to furnish as far as lies in my power.

2. In the first place I must observe that I have never seen G.O., No. 254, dated 27th January 1871, therein alluded to. No copy of it is in the records of my office. I have a copy of G.O., No. 2021, dated 22nd August 1870, which contains the same set of figures, but nothing to show that Government accepted either them or the scheme therein set out. I state this in explanation of my apparent disregard of the directions of Government in the matter.

3. At the time that I took charge of this division, in April 1873, the following were the works complete and in progress:—

I. Ghauts from the plains to the upper level of Jeypore—

- (1.) Galicondah, finished, but utterly out of repairs.
- (2.) Old Pachipenta, finished
- (3.) Tadivalsa, finished.

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(4.) New ghaut to be made by Public Works Department in contemplation, but line not yet decided.

II. Ghauts from high plateau to centre plateau, i.e., from 3000 to 1800 feet level—

(5.) Turner's Ghaut to Jeypore, finished.

(6.) Petta Ghaut, an old Galicondah road out of repairs.

(7.) Chiptam or Maggera Ghaut, in progress.

III. Roads—

(8.) Potingi to Koraput, twenty-eight miles, finished and in good order.

(9.) Koraput to Jeypore, fourteen miles (includes No. 5), finished and in good order.

(10.) Galicondah to Jeypore, seventy miles (includes Nos. 1 and 6), completely out of repair.

(11.) Koraput to Nowrungapora, thirty-six miles (includes No. 7), in progress, about ten miles made, three of which were ghauts.

(12.) Road from Govindapilly to Mont (about seventy miles), just commenced. To these I have subsequently added.

(13.) Branch of 11 from Boringama to Kotapad, eighteen miles.

(14.) Jeypore to head of Govindapilly Ghaut (Malcangiri), about fourteen miles.

4. Comparing these with the list in the Government Order under notice it will be seen that No. 1 in the Government Order corresponds with No. 10 (including Nos. 1 and 6) in my list. On this work no money has been expended for many years past, the road having fallen into almost entire disuse since the opening of the Pachipenta and Tadivalsa lines.

No. 2 in the Government Order comprises Nos. 2, 8, and 9 (including No. 5) in my list. All these are in fair order, with the exception of No. 2, to which nothing has been done since it was handed over to the Public Works Department last year.

No. 3 in the Government Order comprises No. 11 (including No. 7) and No. 13 in my list with the exception of twelve miles between the junction of the two and Nowrungapora. These twelve miles form part of the main line to the Central Provinces proposed by Colonel Farewell in his letter dated 27th March 1873 and apparently approved of by Government in G.O., No. 1587, dated 18th June 1873. It also links one of my cusbah stations with the system. No. 4 in the Government Order has never been undertaken, and is not, in my opinion, an advisable line, as it is not one which traffic would ever take. Nundapur requires a road, but that should connect it by the shortest route possible with the new Pachipenta Ghaut joining the main road (No. 8 in my list) about seven miles from the head of the ghaut.

No. 3 in my list was specially sanctioned by Government to be constructed at the expense of the Jeypore Rajah and subsequently taken over from him (*vide* G.Os., No. 215, of 28th February 1871, and No. 1487, dated 25th October 1872). No. 12 was sanctioned in G.O., No. 950, dated 20th July 1872. No. 14 has had no special sanction, but was commenced by me as a necessary extension of No. 12.

5. The accounts on record up to the end of 1872-73 do not distinguish the expenditure on each separate work. The following table shows the expenditure during 1873-74 and 1874-75 (up to the 28th February), and also the present condition of each work:—

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EXPENDITURE.

No.	Name.	Up to 1873-74.	1873-74.		1874-75.		Total 1873-74 and 1874-75.	Present condition.		
			New Works.	Repairs.	New Works.	Repairs.				
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.				
1	Galicondah Ghaut ...	Not known...	...	963 11 9	...	...	963 11 9	Fourteen miles of ghaut; now in bad repair.		
2	Pachipenta do. ...	Do. ...	...	...	...	...	...	...		
3	Tadivalsa do. ...	16,000 ...	...	284 10 4	Handed over to Public Works Department.		284 10 4	Eleven miles of ghaut; now in bad repair.		
4	New Pachipenta Ghaut ...	Under Public Works Department.	...	...			...	In bad repair.		
5	Included in No. 9 ...	...	...	...	...	...	...	...		
6	Petta Ghaut ...	Unknown ...	...	...	...	...	...	...		
7	Included in No. 11 ...	...	...	595 0 0	...	1,241 4 10	1,836 4 10	Twenty-eight miles; road in good order.		
8	Road from Potingi to Koraput.	Do. ...	...	150 0 0	...	460 8 6	610 8 6	Fourteen miles; in good repair.		
9	Road from Koraput to Jeypore.	Do. ...	...	...	...	...	...	In complete disrepair.		
10	Galicondah to Jeypore ...	Do. ...	...	...	...	...	...	Thirty-six miles of road open, of which about fifteen still require improvement before the road can be called completed.		
11	Road from Koraput to Nowrungapora.	About 5,000.	6,732 8 0	147 0 0	5,545 13 2	78 10 8	12,503 15 10	Being made in sections; about twelve miles made here and there.		
12	Road through Malcangiri...	Nil ...	2,000 0 0	...	2,000 0 0	...	4,000 0 0	Eighteen miles all made, but part still requires gravelling.		
13	Road from Boringama to Kotapad.	Do. ...	850 6 5	...	1,230 0 0	...	2,080 6 5	About fourteen miles, of which five are made but not gravelled, and more in progress.		
14	Road from Jeypore to head of Govindapilly Ghaut.	Do. ...	400 0 0	...	...	...	400 0 0	...		

EXPENDITURE.

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6. I now proceed to discuss the questions of what works are necessary to complete a system of roads adequate to the present wants of Jeypore.

The scheme laid down in the Government Order under notice is necessarily a crude one, having been drawn up by Mr. Clogstoun, as he states, at short notice, without proper data, and when he had been only a couple of months in Jeypore.

I would propose the following :—

I. Main Northern Road consisting of the following sections :—

	MILES.
1. Koraput to Potingi	28
2. Koraput to Nowrungapore	36
3. Nowrungapore to Rayhur with a branch about	65
4. Boringama to Kotapad	18

II. Main Southern Road consisting of the following sections :—

	MILES.
1. Koraput to Jeypore	14
2. Jeypore to Kallur about	14
3. Ghaut from Kallur to Govindapilly	14
4. Govindapilly through Malcangiri to Moat about	70

with a branch to connect it with Great Northern Road, viz. :—

5. Jeypore to Boorigama	12
--------------------------------	----

III. Road through Nundapur and Hill Madagole, from about Kundili on I. 1 by Nundapur to Poderu in sections—

	MILES.
1. Kundili to Nundapur	8
2. Nundapur to Poderu about	53

I would not advise any expenditure in the old Galicondah line, it having, as I have already stated, been nearly abandoned by traffic. What traffic passes over the Galicondah Ghaut does not go to Jeypore, but down to Badegeda Ghaut to Malcangiri.

7. The main northern road is required not only to develop a fine tract of country, but also to open up a thorough traffic with the Central Provinces. That such is desirable Government seem to admit in their Proceedings, No. 1587, dated 18th June 1873.

Section 1, Potingi to Koraput.—Potingi is at the top of the Pachipenta Ghaut, and at it the old Pachipenta, the new Pachipenta, and Tadvalsa lines converge. The twenty-eight miles are open throughout in fair order, but when the new ghaut is completed it will have to be converted into a pukka road, as the present wooden bridges would not long stand heavy wheeled traffic. Until taken over by the Public Works Department it should have a maintenance allowance of Rupees 50 per mile. Repairs are costly owing to large bullock traffic and the numerous bridges.

Section 2, Koraput to Nowrungapore.—Koraput is the official headquarters of the division, Nowrungapore the headquarters of a Sub-Magistrate. This road is open throughout thirty-six miles, but will require about 5,000 Rupees more to put it on a satisfactory footing. It will also require a maintenance grant of about 25 Rupees per mile.

Section 3, Nowrungapore to Rayhuri.—As yet uncommenced. This will cost Rupees 500 a-mile, or, for sixty-five miles, Rupees 35,500, and will require a maintenance of Rupees 25 per mile.

Section 4, Boringama to Kotapad.—The latter is a Sub-Magistrate's headquarters. This road, eighteen miles, is open throughout, but still requires about 1,500 Rupees laid out upon it. It will also require a maintenance allotment of Rupees 25 per mile.

8. *Main Southern Road.*—The natural outlet of the centre and lower levels of Jeypore is the Godavery ; by this route the traffic can get to the coast without going up a ghaut. To get from the mid-level of Jeypore to Vizagapatam you have first to go up a ghaut of 1200 feet and then to go down one of 3000. The distance from Jeypore to Salur by this route is about

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24th June 1875.*

sixty-six miles, and from Salur to Bimlipatam forty-six more. From Jeypore to Moat, from which place there is water carriage to Cocanada, is only about ninety miles, and there is only an easy ghaut of about 1000 feet to go down. Government have already decided on making a line from the foot of that ghaut to Moat, and I think it should, for the reasons above stated, be carried on to Jeypore. Section 5, from Jeypore to Boringama, is required to connect the main northern and main southern lines on the mid-level, or 1800 feet plateau.

Section 1, Koraput to Jeypore, fourteen miles including a ghaut of 1200 feet.—This is completed and in good order ; requires a maintenance grant of Rupees 50 a-mile.

Section 2, Jeypore to Kollur, fourteen miles.—Of this five miles are made, but not gravelled ; this portion will require about 500 Rupees to complete it, and for the remaining nine miles, at Rupees 300 a-mile, Rupees 2,700 ; maintenance allowance Rupees 25 per mile.

Section 3, Kullar to Govindapilly, fourteen miles, with a ghaut of 1000 feet, will require Rupees 300 per mile for eight miles and 1,000 Rupees per mile for six miles, total Rupees 8,400, with a maintenance of Rupees 50 per mile.

Section 4.—For this section, about seventy miles, Government have granted Rupees 6,000 to supplement a similar grant from the Rajah. It can probably be roughly made for about Rupees 200 per mile, or Rupees 14,000, and will require a maintenance allowance of Rupees 25 per mile.

9. *Road through Nundapur and Hill Madgole*—This will top the whole of the 3000 feet plateau.

Section 1, from Kundili (on Great Northern Road) to Nundapur, should be made as soon as possible. It would cost about Rupees 500 a-mile, or Rupees 4,000 altogether, with a maintenance of Rupees 25 per mile. The continuation of this line to Poderu may be deferred. It would cost about Rupees 11,400.

The following table shows in an abstract form the above proposals and their probable cost. I also enclose a sketch map showing the different lines and natural features of the country :—

No.	Name of Work.	Expenditure up to date.		Sum required for completion.		Proposed yearly charge for maintenance.	
		RS.	A. P.	RS.	A. P.	RS.	A. P.
I. 1	Potingi to Koraput	Not known.		5,000	0 0	1,400	0 0
2	Koraput to Nowrungapore, about...	17,500	0 0	35,500	0 0	900	0 0
3	Nowrungapore to Rayhur	2,080	6 5	1,500	0 0	1,625	0 0
4	Boringama to Kotapad	Not known.				450	0 0
II. 1	Koraput to Jeypore	400	0 0	3,200	0 0	700	0 0
2	Jeypore to Kallur			8,400	0 0	700	0 0
3	Kallur to Govindapilly	4,000	0 0	8,000	0 0	1,750	0 0
4	Govindapilly to Moat			4,000	0 0	200	0 0
III. 1	Kundili to Nundapur			11,400	0 0	900	0 0
2	Nundapur to Poderu						
Total ...				77,000		8,975	

10. There still remains for consideration one important point, viz., from what source the money for three works is to come. In an ordinary district, the road cess, supplemented by a grant from Provincial Funds, would provide the necessary sums. I do not think, however, that any doubt can be entertained as to the impropriety of as yet introducing the road cess into a wild country like Jeypore. At the same time the Rajah knows well the power we possess of introducing it at will and the amount he would have to pay under it, and would be quite willing to pay any reasonable yearly grant as a compromise.

11. Under these circumstances, I would suggest that the Government should make a yearly grant for Jeypore roads of Rupees 8,000 on condition of the Rajah giving a similar amount.

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24th June 1875.

There would thus be yearly available a sum of Rupees 16,000, Rupees 4,000 of which might be allotted to the Senior Assistant Agent (I limit the sum as I do not think that he could well spend more), and the balance, Rupees 12,000, be expended in Jeypore proper when the whole of it is required. The works specified in the scheme (whatever it may be) to be now approved by Government should be gradually carried to completion and no other works commenced without special sanction.

No. 206.

Transferred to the Financial Department in continuation of letters printed with G.O., No. 1267, of the 5th May 1875.
12th May 1875.

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government, P.W.D.

No. 223.

ORDER THEREON, 24th June 1875, No. 1352.

It is observed that the information contained in the papers above recorded was called for in G.O., Public Works Department, dated 6th March 1875, No. 654. It rests with that department, therefore, to make such use of the information as it may deem necessary.

2. In the Order of the Financial Department, dated the 19th February 1875, No. 364, Rupees 36,400 were sanctioned for certain roads and buildings in the Hill tracts of Ganjam and Vizagapatam, and provision was made accordingly in the Provincial Services Budget under "Petty Construction and Repairs," Public Works.

3. No further provision of funds can be made for the purpose during the current year; but the Agents in Ganjam and Vizagapatam will, when submitting the estimates called for in paragraph 3 of the Order above cited, bring to notice any roads or buildings which should be classified and provided for under the head of "Petty Construction and Repairs."

(True Extract.)

[Signature]
Officiating Chief Secretary.

To the Public Works Department.

" Agent to the Governor of Fort St. George in Ganjam.

" do. do. in Vizagapatam

Exd. A. S. Rodgers.

1022

X 1113

No 2458 P. W. Dept.

Proceedings of the Madras Govt.

Under date the 27th Aug 75.

Read the following:-

Pr. in the Financial Dept. (H.E. No 1352 of 24 June/75)

Ordered to be re-
corded with reference to
Financial Department
Order No 364, dated 19th
February, the allotments
called for in the 6th para
of which have been duly
made in the Provincial
Budget of 1875-76.

[Signature]

29/3

To the Finl Dept. 77
" D.E., Vengapattam - 1

3 sc of po order +
3 sc of Finl order no
1352 dated - 8-9-75

Xth Atty -

11/5/75
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JUNE
1875

11/5/75

11/5/75

No 2458 P. W. Dept.

Proceedings of the Madras Govt.

Under date the 27th Aug 75.

absolutely
order

Read the following:-

Pro. in the Financial Dept. (H.E. No 1352 of 24 June/75)

Ordered to be re-
corded with reference to
Financial Department
Order No 364, dated 19th
February, the allotments
called for in the 6th para
of which have been duly
made in the Provincial
Budget of 1875-76.

[Signature]

29/3

To the Finl Dept. 77
" D.E. Vengapattam - 1

3 sc of po order +
3 sc of finl order no
1352 dated - 8-9-75

Xth atty

11.5.1875
31.10.75
18.11.75
18.12.75

15.7.75
26.4.75

FINANCIAL

GOVERNMENT OF MADRAS

1875
1876

JUNE
NO. 22223

Madras, 11th June 1875
To the Hon. Secy. to Govt.
of Madras, Fort St. George,
Madras.

11.5.1875
31.10.75
18.11.75
18.12.75

12463

10/15/33

Min. of 1874 10/15/33
PUBLIC WORKS.

The Finl. Dept.

Date

Loc.

Mod.

C. C. 27/11/33 2458

Sec. 463-464

been duly made in the
Provincial Budget of 1874/75

Roads in West. Tracts. Viz.
Agapatom Dt. - Prop. of the
Finl. Dept. referring with
remarks letter from the Dir. of
forwarding correspondence
regarding the - recorded
with the remark that the
allocments called for in the
know of Finl. Dept. order
No. 36 dated 19 Feb. have