

No. 172. Read the following letter from R. J. MELVILLE, Esq., Acting Collector of Vizagapatam, to the Secretary to Government, Revenue Department, Ootacamund, dated 20th July 1872, No. 795:—

WITH reference to Government Proceedings, dated May 31st, 1872, No. 856, I have the honour to submit a report on the progress of relief works up to the end of June. Enclosed are two statements—the first (No. 1) showing particulars of expenditure of the sum of Rs. 10,000 placed at the disposal of Mr. Thornhill by G. O., dated December 20th, 1871, No. 2,141, and No. 2 giving expenditure on all other grants. The last columns of Statement No. 2 show the nature and amount of work performed.

2. It will be observed that on June 30th a considerable balance, amounting to Rs. 4,610, remained unexpended of the various grants to the trunk road.

3. A sum of Rs. 1,422 remained unexpended of the sum of Rs. 2,600 placed at the disposal of the Manager of the Vizianagram Estate for the construction of the branch road from the Vizianagram Fort to the Chettevalsah High Road.

4. A sum of Rs. 3,333 remained unexpended of the Rs. 15,000 allotted for irrigation repairs in the Sub-division.

5. As expenditure on these works has not been stopped, it is probable that the whole or greater part of these balances will have been spent during the current month.

6. A balance of Rs. 4,610 remained unspent of the grant of Rs. 10,000 for the road from Salur to the foot of Turner's Ghaut, and the greater part of this balance will not be spent, as the work has virtually been stopped for want of labour. A sum of Rs. 2,500, part of the Rs. 10,000 placed at Mr. Thornhill's disposal, was transferred to this work by G. O., No. 128, dated June 10th, 1872. No part of this sum has been spent; it, therefore, appears in Statement No. 1, not in No. 2.

7. The greater part of the balance of Rs. 5,452 of the Rs. 10,000 allotted for the road from Conadah to Vizianagram will not be spent owing to want of labour.

8. In two instances, Nos. 7 and 8, Statement No. 2, the expenditure has been slightly in excess of the grant.

9. In conclusion, I am of opinion that no further expenditure on relief works is necessary as seasonable rains have fallen throughout the district, and I would, therefore, propose that all expenditure from relief grants be brought to a close with the end of this month.

No. 1.—Account Particulars of sums expended out of the Rs. 10,000 placed at the disposal of Mr. G. Thornhill, Acting 2nd Member of the Board of Revenue on Special duty in Government Order, Revenue Department, dated 20th December 1871, No. 2,141, from 19th February to 30th June 1872.

Grant.	Work for which advance was made.	Amount sanctioned for each work.		Amount advanced.		Amount recovered or repaid.		EXPENDITURE.				Total expenditure.	Difference between columns 4 and 9.
		3	4	5	6	7	8	9	10	11	12		
1	2	3	4	5	6	7	8	9	10	11	12		
Rs. 10,000, G. O., dated 20th December 1871, No. 2,141.	For clearing and deepening wells in the Sub-division For sinking a well in the Survasiddy Taluq ... Do. in Golgondah ... For clearing well...	500 0 0 15 0 0 14 5 3 5 10 9 35 0 0	500 0 0 15 0 0 14 5 3 5 10 9 ...	69 14 10 0 13 3 ...	...	...	430 1 2 ...	...	430 1 2 34 2 9 ...	...	...	...	...
	For sinking and repairing well in Madalupalem Estate ... For sinking wells in the Sub-division ... For clearing the drinking water tank near the salt platform at Balacheruvu. For road from Vizianagram Fort to join the Vizianagram and Chettivasa High Road ... For sinking a well at Sevajapalem ...	35 0 0 1,000 0 0 500 0 0 2,600 0 0 10 0 0	35 0 0 1,000 0 0 500 0 0 2,600 0 0 10 0 0	...	35 0 0 ...	413 15 0 60 11 4 359 0 0 ...	173 7 0 7 15 8 433 10 10 ...	60 0 0 ...	647 6 0 500 0 0 1,177 11 3 10 0 0	...	...	352 10 0 ...	...

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G. O., 11th June 1872, No. 922.	Do. two wells in Cheerpurpilli Division ...	20 0 0	20 0 0	20 0 0	...	...	...	10 0 0	10 0 0	10 0 0	10 0 0
	Relief works, Salt Department ...	4,700 0 0	4,700 0 0	4,700 0 0	255 12 1	833 10 4	1,045 2 8	465 0 5	2,844 5 2	1,784 14 9	
	Road from Salem to Tadevalasa, additional grant ...	2,500 0 0	2,500 0 0	2,265 14 0	...	...	2,496 0 0	...	2,496 0 0	4 0 0	
	Grand Total...	9,700 0 0	9,700 0 0	2,521 10 1	500 7 9	833 10 4	3,541 2 8	465 0 5	5,340 5 2	1,788 14 9	
	Balance...	300 0 0	...	...	...	...	...	...	...	...	

NOTE.—Recoveries, amounting to Rs. 2,521-10-1, have been reccredited to General Funds so that the actual expenditure is Rs. 5,340 as per Column 10.

VIZAGAPATAM,
20th July 1872.

(Signed) R. J. MELVILLE,
Acting Collector.

Proceedings of the Madras Government, Revenue Department,
20th August 1872.

Relief Works.	Grant.	Sanction.	EXPENDITURE				Total.	Difference between columns 2 and 8.	ALLOTMENT TO			Range Officers' Remarks.
			To 31st March 1872.	In April.	In May.	In June.			Vizianagaram Range Officer.	Vizagapatam Range Officer.	Golconda Range Officer.	
1	2	3	4	5	6	7	8	9	10	11	12	
1. Trunk Road No. 6, from Chicacole to Chettevalsa.	RS. 2,500 5,000 7,500	G. O., dated 6th Feb. 1872, No. 245. From grant sanctioned in G. O., 18th April 1872, No. 631. Item No. 6 of this list.	RS. 1,210	RS. 823	RS. 642	RS. 870	RS. 3,545	RS. ...	RS. 7,500	RS. ...	RS. ...	<p>It was considered that the funds granted for relief works on this road would be put to the best use, both as regards relieving the poorer classes and at the same time benefiting the road by being expanded on that portion between Kheta and Chikapalem (from 24th to the 36th mile) and between which places lie numerous villages adjacent to the road. A considerable quantity of work has been done in this road consisting chiefly in raising the road in embankment, averaging 3 feet in height. The work was carried out under the usual difficulties attending relief works, such as hardness of soil owing to the want of rain, work-people unable to do full quantum of work through weakness, the effects of insufficient food, and in very many cases the people were novices to the work.</p> <p>2. The total quantity of work done in raising road in embankment in the 26th, 27th, 28th and 29th, also 31st, 32nd, 33rd, and 34th mile of the road from Chettevalsa is 50 cubic yards gravel work, and 31,988 cubic yards earthwork. With the balance of funds in hand it is proposed to construct such masonry works (as tunnel) as are absolutely necessary, at present, to all of the road being used by carts and also to gra</p>

13

It was considered that the funds granted for relief works on this road would be put to the best use, both as regards relieving the poorer classes and at the same time benefiting the road by being expended on that portion between Kheta and Chikapalem (from 24th to the 36th mile) and between which places lie numerous villages adjacent to the road. A considerable quantity of work has been done in this road consisting chiefly in raising the road in embankment, averaging 3 feet in height. The work was carried out under the usual difficulties attending relief works, such as hardness of soil owing to the want of rain, work-people unable to do full quantum of work through weakness, the effects of insufficient food, and in very many cases the people were novices to the work.

2. The total quantity of work done in raising road in embankment in the 26th, 27th, 28th, and 29th, also 31st, 32nd, 33rd, and 34th miles of the road from Chettevalsa is 50 cubic yards gravel work, and 31,988 cubic yards earthwork. With the balance of funds in hand it is proposed to construct such masonry works (as tunnels) as are absolutely necessary, at present, to allow of the road being used by carts and also to gravel

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the embankments to enable them to settle firmly by the passage of laden carts over them. Employment was found on this road for the following work people up to the end of June 1872:—Men 13,850, women 12,770, and girls and boys 5,600.

Between Chettevalsa and Ankapilli, 34 miles.

1. About 7 miles and 1,386 yards of earth-work have been completed on this portion of the line, in parts which were left incomplete at the stoppage of works in 1869-70. The total amount of earthwork done was 64,782 cubic yards.

2. Broken stonework—9,486 cubic yards of broken stone have been prepared for metalling the road surface, besides 2,222 cubic yards laid on the road, of which 1,484 yards have also been coated with gravel.

3. Masonry works.—13 tunnels and bridges previously in an incomplete state have been finished; 16 new tunnels have been built, of which ten are complete, and 6 nearly completed. On these 34 miles of road every stream and irrigating channel has now been bridged, and all that is required to complete the bridging is the widening of 10 of the very oldest tunnels, built many years ago, which have an insufficient width of roadway between the parapets.

4. The greatest number of people at any time employed on this section of the works was 2,468; the number at the end of June was 1,001. From Ankapilli to Tuni, 40 miles.

2. Road from Chettevalsa to Ankapilli.	2,500	G. O., 6th Feb. 1872, No. 245.	5,303	4,772	10,069	6,701	26,845	...	...	27,500	...
3. Road from Ankapilli, southwards.	3,000	G. O., 17th Feb. 1872, No. 310.									
4. Road repair between Ankapilli and Tuni.	2,000	G. O., 21st March 1872, No. —.									
5. Trunk Road between Tuni and Chettevalsa.	5,000	G. O., 13th June 1872, No. 943.									
6. Entire length of trunk road.	15,000	G. O., 18th April 1872, No. 631.									
Allotment	20,000										
Deduct the amount allotted to No. 1 ...	5,000										
Total of grants for trunk roads.	35,000								30,390	4,610	...

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Statement showing the Expenditure on Relief Works in the District of Vizagapatam up to 30th June 1872.—(Continued.)

Relief Works.	Grant.	Sanction.	EXPENDITURE				Total.	Difference between columns 2 and 8.	ALLOTMENT TO			Range Officers' Remarks.
			To 31st March 1872.	In April.	In May.	In June.			Vizianagram Range Officer.	Vizagapatam Range Officer.	Golconda Range Officer.	
1	2	3	4	5	6	7	8	9	10	11	12	13
Road from Vizianagram to Cheepurpilli.	2,000	G. O., 17th Feb. 1872, No. 30.	718	999	275	12	2,004	4	2,000	...	...	5. About 8 miles and 754 yards in length of earthwork were completed up to end of June at different places where the road was left incomplete on the stoppage of works in 1869-70. The total quantity of earthwork done was 77,246½ cubic yards. 6. Broken stonework.—8,068 cubic yards of broken stone for metalling had been prepared, besides 513 cubic yards laid on the road. 7. Masonry works.—3 bridges, 6 tunnels, and 2 sluices have been proceeded with in this part of the road, and are all nearly completed, with the exception of the bridge at Pengole, of which the foundations and 2 feet of the walls have been built. Besides this 3 old tunnels have been widened. 8. The greatest number of coolies employed on this section of relief works at any time was 5,904, and the number at the end of June 3,457. Relief works were started in two sections of this road—one between Vizianagram and Cheepurpilli, the other between Rajam and Palconda. The works carried out digging gravel in the 5th, 6th, 8th, 9th, 17th, and 18th miles as well as metal collected, broken, and spread in the 5th and 6th miles of road from Vizianagram.

In Rajam Section earthwork and gravelling to road are performed in the 2nd and 3rd miles from Rajam to Palconda.

The chief work performed was digging and collecting gravel only, as the season was unfavourable for spreading it.

The total work done out of relief funds, which have all been expended, is earthwork 3,510 cubic yards, metalling 497 cubic yards, gravel dug and collected in heaps 5,735 cubic yards, turfing to sides of roads 414 square feet.

In this work, as well as in all other relief works undertaken, the work was carried out during the hot weather, and when water was not procurable to moisten the ground. This caused the rates at which work was done to be half as much again, and in some instances double the usual rates.

Work was given to about 7,800 men, 10,450 women, and 5,000 boys and girls up to the 30th June 1872.

This road requires thorough repair; and to put it in good order an estimate for Rs. 17,600 was submitted from this office and received the sanction of Government in their Proceedings, No. 1,106, dated 23rd June 1871. But no funds have been allotted for the work.

As the traffic over this road for about six months in the year is very great, it is proposed to metal the road surface with broken stone, as it presents a greater resistance to heavy wheeled traffic than gravel does. The latter material has hitherto been used.

The funds granted for relief works on this road were on this account spent in collecting and breaking up quartz and granite stones into road metalling and storing the same in different miles of the road for future use, when sufficient funds would be forthcoming to enable further and larger quantities to be prepared and laid down throughout the length of the road.

8. Road from Vizianagram to Bimlipatam.

1,500

G. O., 17th Feb. 1872, No. 30.

138

895

302

179

1,514

14

1,500

...

...

20th August 1872.

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The cost of the work, including in many cases excavating as well as collecting and breaking up the stone, was about 8 Annas per cubic yard of road metal.

Labour was provided for about 7,775 men, 6,260 women, and 2,680 boys and girls.

No. 9.—3,762 cubic yards of earthwork, 17 cubic yards of rough stone packing, 250 square yards of sloping and levelling, 827½ cubic yards of gravel, 14 cubic yards of metalling, 13,838 square yards of clearing jungle done, 395 cubic yards of metalling collected, and 190½ cubic yards of gravel dur.

No. 10.—6,902 cubic yards of earthwork, 49 cubic yards of rough stone packing, 870 cubic yards of graveling, 357 cubic yards of metalling, 11,555 square yards of clearing jungle done, 1,397 cubic yards of gravel dug.

20th August 1872.

This expenditure was made in February and March on the new works of the sanctioned estimate for the construction of the road which had been stopped in January by want of funds. The works have been continued in the current official year from the Local Fund Grant.

The greater part of this sum was spent in collecting materials. Advantage will be taken of the present weather and the road progressed with.

Relief works were started about the middle of February last on this section of the road from Vizianagram to Parvatipore, as the poorer classes were suffering there from want. The work taken in hand was entirely remaking the road in the 32nd, 33rd, 42nd, and 43rd miles which had been imperfectly executed; and, as these portions run through black cotton soil, they cut up so after a shower of rain as to be impassable for wheeled traffic. The road is now being reshaped, metalled with broken stone and gravelled over from 6 to 9 inches thick. It is hoped that this will suffice for framing a good hard road surface in all weathers. As the road is not quite finished it is not opened to carts. The cost of road material is unusually heavy in this section, as stone has to be procured from a distance of 3 miles and gravel from $1\frac{1}{2}$ to 2 miles, and it is very difficult to obtain carts, or these bad portions would have been put in order and use before the rains set in.

With the balance of relief funds in hand, it is hoped to be able to complete most, if not all the work required in this section.

Proceedings of the Madras Government, Revenue Department,
20th August 1872.

Relief Works.	Gr.	Sanction.	To 31st Dec.	In Apr.	In May.	In June.	Total.	Difference between columns 2 and 8.	Allothe.			Range Officers' Remarks.
									Vizianagaram Range Officer.	Vizagapatam Range Officer.	Golconda Range Officer.	
1	2	3	4	5	6	7	8	9	10	11	12	13
14. Salt road from Kuppili to trunk road.	1,000	G. O., 18th April 1872, No. 631.	...	...	...	...	...	...	...	...	...	This will be a great advantage to traffic along this line, for as it is now, laden carts cannot pass between Rambhadrapuram and Bobbili after a heavy fall of rain.
15. Road from Salur to foot of Turner's Ghaut.	5,000	G. O., 28th Feb. 1872, No. 35.	...	...	...	...	...	1,000	...	...	...	The work done on the road up to date is earth-work 3 352 cubic yards, gravel dug, carted and spread on road 1,355 cubic yards, rough stone collected, carted, broken into metal and spread 1,511 cubic yards.
	5,000	G. O., 8th March 1872.	388	2,248	2,701	53	5,390	4,610	...	10,000	...	Masonry works executed.—One 6 feet wide tunnel work was provided for the following labourers up to the 30th of June 1872 : 4,900 men, 11,600 women, and 5,700 boys and girls under bricklayers, etc.
	10,000											Work stopped on this road.—See para. 2 of the Collector's letter recorded in G. O., dated 18th April 1872, No. 631.
												The expenditure has been Rupees 847-1-4 for compensation for land, and Rs. 4,543-3-4 for earthworks, marking out the line, superintendence, and sundries. The works have been stopped by the coolies returning to their villages for the cultivation. A small portion of the unexpended balance will be required to complete the survey; how much more will be required for compensation is not yet known.

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20th August 1872.

16. Road from Konada to Vizianagaram.	10,000	G. O., 4th March 1872.	...	1,160	1,120	2,268	4,548	5,452	10,000	...	...	This road was started as a relief work to give employment to the distressed inhabitants of Konada and its adjacent villages. The work was not commenced before April last, owing to the original line of survey being found defective and a new one had to be determined on. The section of road put in hand lies between Konada and the line of trunk road to Chicacole, a distance of about 4½ miles.
												The earthwork is mostly done by a system of petty contract; a gang of workmen club together and execute a portion of the road, which on completion is measured up and paid for, the workmen dividing the amount amongst themselves. This system is found to answer the best. If daily labour was entertained very little work would be obtained as found from trial. Rough stone and road metalling is paid for by the cubic yards. But the cartage is very high (8 Annas) per cubic yard, as the material has to be brought from a distance of 2 and 3 miles.
												The work is in hand in sections in every mile of the road, and about two-thirds of the earthwork may be said to be completed. All rough stone for masonry work has been purchased, also the greater quantity that is required for road metalling.
												The quantity of work done up to date and materials collected are 4,125 cubic yards of earthwork to raising and forming road; 1,477½ cubic yards of rough stone for masonry works; 2,801½ cubic yards of stone for road metal; 61½ garces of chunam, and 50,000 burnt bricks. Employment has been given to about 7,770 men, 4,800 women, and 1,725 boys and girls up to 30th June 1872.

Proceedings of the Madras Government, Revenue Department,
20th August 1872.

Relief Works.	Grant.	Sanction.	EXPENDITURE				Total.	Difference between columns 2 and 8.	ALLOTMENT TO			Range Officers' Remarks.
			To 31st March 1872.	In April.	In May.	In June.			Vizianagaram Range Officer.	Vizagapatam Range Officer.	Golcondah Range Officer.	
1	2	3	4	5	6	7	8	9	10	11	12	13
17. Irrigation Repairs, Sub-division.	RS. 15,000	G. O., 8th March, 1872, No. 446.	RS. ...	RS. 3,792	RS. 4,616	RS. 3,259	RS. 11,667	RS. 3,333	RS. ...	RS. ...	RS. 15,000	This outlay was on 43 Irrigation works. The work done is as follows :— 1,57,747 cubic yards of earthwork. 35 do. of cut stone in chunam. 83 do. of rubble masonry. 1,375 do. of rough stone packing. 70,335 square yards of ramming and tamping. 1,126 cubic yards of rough stone revetting. 4 squares of plastering. 700 square yards of turfing. 15,841 running yards of jungle clearing. 2,580 square yards of levelling. The materials collected are 174 cubic yards of rough stone and 90 paras of limestone, and 150 paras of charcoal.
Total...	83,600		12,210	15,057	21,333	14,075	62,675	20,961	23,500	39,500	17,000	

This outlay was on 43 Irrigation works. The work done is as follows :—
 1,57,747 cubic yards of earthwork.
 35 do. of cut stone in chunam.
 83 do. of rubble masonry.
 1,375 do. of rough stone packing.
 70,335 square yards of ramming and tamping.
 1,126 cubic yards of rough stone revetting.
 4 squares of plastering.
 700 square yards of turfing.
 15,841 running yards of jungle clearing.
 2,580 square yards of levelling.
 The materials collected are 174 cubic yards of rough stone and 90 paras of limestone, and 150 paras of charcoal.

VIZAGAPATAM,
20th July 1872.

(Signed) R. J. MELVILLE,
Acting Collector.

Proceedings of the Madras Government, Revenue Department,
20th August 1872.

No. 173.

ORDER THEREON, 20th August 1872, No. 1,231.

Miscellaneous.

THE Government approve Mr. Melville's proposal to discontinue all relief works from 31st July, after which date he will submit an abstract statement showing separately the total expenditure up to and since 31st March 1872, and distinguishing that incurred on Roads, Irrigation works including wells, and for general relief purposes. Expenditure in connection with Salt works of any kind should be shown separately.

(True Extract.)

(Signed) W. HUDLESTON,
Secretary to Government.

No. 795.

Vizagapatam July 20th 1872.

From,

R. J. Melville Esquire,
Acting Collector

To, The Honorable W. Mudleston
Secretary to Government, Revenue Department
Cotacamund

Sir,

With reference to Government Proceedings dated May 31st 1872, No. 836, I have the honor to submit a report on the progress of relief works up to the end of June. Enclosed are 2 Statements. The first (No. 1) showing particulars of expenditure of the sum of Rupees 10,000 placed at the disposal of Mr. Thornhill by G. O. dated December 20th 1871, No. 2141. No. 2 giving expenditure on all other grants. The last columns of Statement No. 2 show the nature and amount of work performed.

2. It will be observed that on June 30th a considerable balance amounting to Rupees 4610 remained unexpended of the various grants to the Trunk Road.

Obdt. of 1872 J. J. J. J.

REVENUE.

To

THE COLLECTOR OF VIZAGAPATAM,

Ac., Ac., Ac.

Dated August 20th.

Recd.

Encl.

G. O., 20th August 1872, No. 1,231.

AUGUST.

Nos. 172-173.

Relief works in Vizagapatam District.
Proposal of the Collector to discontinue them from
31st July approved, and a statement of expenditure,
etc., ordered to be submitted.

3. A sum of Rupees 1422 remained unexpended of the sum of Rupees 2600 placed at the disposal of the Manager of the Vijanagram Estate for the construction of the branch road from the Vijanagram Fort to the Chittewalsah high road.

4. A sum of Rupees 3333 remained unexpended of the Rupees 15000 allotted for Irrigation repairs in the Sub-Division

5. As expenditure on these works has not been stopped it is probable that the whole or greater part of these balances will have been spent during the current month.

6. A balance of Rupees 4610 remained unspent of the grant of Rupees 10000 for the road from Salur to the foot of Jarne's Ghāt and the greater part of this balance will not be spent as the work has virtually been stopped for want of labour. A sum of Rupees 2500 part of the Rupees 10000 placed at Mr. Thornhill's disposal was transferred to this work by G. O. No. 128 dated June 10th 1872. A part of this sum has been spent as there fore appears in Statement No. 1, not in No. 2.

7. The greater part of the balance of Rupees 5452 of the Rupees 10000 allotted for

for the road from Conaduk to Vijanagram will not be spent owing to want of labour.

8. In two instances Nos. 7 and 8, Statement No. 2 the expenditure has been slightly in excess of the grant.

9. In conclusion I am of opinion that no further expenditure on relief work is necessary as seasonable rains have fallen throughout the District and I would therefore propose that all expenditure from relief grants be brought to a close with the end of this month.

I have the honor to be,
Sir
Your most obedt. servant,

James
Acting Collector

1872
 General Department
 June 24/71

The Director
 of the Department

The Secretary of the
 Revenue Department

October 29th Aug 1872

1874/95
 Enclosures 2

Reporting on the
 progress made in
 relief works in the
 June 30-1872

W. H. Owen

No 1231-20 August 1872

3. To the Hon. Secy. of the Revenue: 29 August/72
 4. To the Hon. Secy. of the Revenue: " " "
 6. To the Hon. Secy. of the Revenue: " " "
 21. To the Hon. Secy. of the Revenue: " " "
 30. To the Hon. Secy. of the Revenue: " " "

Mr. Alfred W. Lewis Esq. M.P.
 in relation to relief works in the
 June 30-1872
 The Secretary of the Revenue Department
 No 1231-20 August 1872
 Enclosures 2
 Reporting on the progress made in relief works in the June 30-1872
 W. H. Owen
 No 1231-20 August 1872