Secrt. I (i)-I—10,006—7-10-70.

(1) Number of pages 23
(2) Date of repair
(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue. DEPARTMENT

G.O. No. B.P. No.	2060 B.	Press Mis.
Dated	20 — 6- 1877	197 .

Not to be folded or roughly handled

2060B
1

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

20th June 1877, No. 2,060-B.

Famine Relief.

Read the following paper:—

No. 449-C. Proceedings of the Board of Revenue, dated 7th June 1877.

Read the following letter from C. F. MACCARTIE, Esq., Special Assistant Collector of Cuddapah, to J. F. PRICE, Esq., Acting Collector of Cuddapah, dated Ganganapally, 21st May 1877, No. 87.

I HAVE the honor to submit the following report upon the progress of the Cuddapah Taluq relief-works for the month of April, as directed in Board's Proceedings, No. 3,244, dated 21st December 1876.

2. The accompanying statement contains the details of work done, together with the expenditure and average daily attendance on each work, to which are added similar figures for March for comparison.

3. *New Work No. 1, Patha Cuddapah Road, 3½ Miles.*—The average daily attendance was 188 and the amount paid in wages was Rs. 447-7-3, for which 2,400 cubic yards of gravel were excavated and stacked at the quarry, the task per gang of 50 being 24 cubic yards per diem, which has been continuously kept up.

Very good.—J. F. P.

4. The physical condition of the coolies was good throughout, and no falling off was apparent. This work was closed on May 4th, and the whole strength departed to Nellore, as sufficient materials have been collected for spreading after the fall of rain.

5. The total expenditure up to the date of closing has been Rs. 8,667-8-0, and the work executed has been as follows:—

Earth-work, 21,400 cubic yards, value at annas 1-3 per cubic yard, Rs. 1,671.

Metal piled and carted	C. Yards	3,798¾
Do. but uncarted	,,	2,247
Total ...		6,045¾

Gravel partly carted to road and partly stacked at quarry, 5,000.

6. The metal in hand is sufficient for a depth of 9 inches over the whole length, but if 4½ inches only be spread, which is quite sufficient, then only 3,080⅔ will be required, leaving nearly as much again in store for repairs.

7. In the same manner, 6 inches of gravel over the metal will be ample considering the probable amount of traffic, so that 5,000 cubic yards of gravel will be enough for the purpose.

8. *New Work No. 2, Khajeepett and Camalapur Road, 8 Miles.*—The average attendance was 192, and the expenditure in wages was Rs. 42-3-0.

447 cubic yards of metal were broken, 757 cubic yards of gravel were excavated, 780 cubic yards of earth-work were completed, principally in reforming the river approaches which had been bungled at the start.

9. The expenditure up to the end of March was Rs. 10,869, which represents the following amount of work, exclusive of that done during the month :—

Earth-work, 22,545 cubic yards, value Rs. 1,630-3-1 at from 1 anna to 1 anna 3 pies according to the nature of the soil.

Rather dear as regards metal.—J.F.P.

Metal excavated, carted, and spread ...	C. Yards	2,198
Do. unspread	,,	$1,160\frac{3}{4}$
		$3,358\frac{3}{4}$
Collected but unbroken	,,	1,931
Total Metal ...		$5,289\frac{3}{4}$

About 1,500 cubic yards are still required for a width of 4 yards × $\frac{1}{3}$ foot, which is quite enough for the expected traffic with a coating of 6 inches of gravel :—

Gravel quarried, carted, and spread ...	C. Yards	2,797
Do. to be spread	,,	3,706
Total Gravel ...		6,503

still required for 4 yards × $\frac{1}{2}$ foot about 1,500 cubic yards, half of which has been collected during April.

A word or two of approval to this man will probably be much appreciated by him, and some further notice of his conduct might be taken after the famine is over.—J. F. P.

10. The work has all along been under the unpaid supervision of B. Venkata Reddi, Reddi of Sunkesula, who has taken great pains and interest in the work.

He should be remanded to his Corps.—J. F. P.

11. The Sapper Private Veeraya, who was detailed to help him professionally, in addition to helpless incapacity, has been perfectly incorrigible in the way of giving himself long and frequent leaves whenever he wanted it. He has been placed out of employ and specially reported.

12. *New Road No.* 3, *Chintakommadinna Road*, 12 *Miles.*—The attendance averaged 356 per diem, and Rs. 813-5-5 were disbursed in wages.

13. The details of work done are as follow :—

Excavation of gravel...	C. Yards.	2,734
Earth-work	,,	457
Metal broken by women, for whom there was no other employment	,,	869

Good.—J. F. P.

Rupees 6,902-14-10 have been spent up to the end of the month, for which 10 miles nearly of earth-work have been completed.

$1\frac{1}{3}$ mile has been metalled and gravelled and materials collected for about $3\frac{1}{2}$ more.

14. The coolies kept up their condition very fairly during the month as also did those upon the last-named work.

15. The estimate or valuation of work done is under preparation; but Mr. Maclean considers the character of the work to be very fair, the first four miles being distinctly good, which is perhaps due to the good quality of the soil for road-making purposes; a good many miles of the so-called earth-work being pure gravel.

16. *New Work No.* 4, *1st Section, Yerraguntla and Vempalla Road*, 2 *Miles* 6 *Furlongs.*—The average attendance was 197, and their wages amounted to Rupees 473-15-8.

2060B
2

17. The following work was done :—

Earth-work	C. Yards.	405
Gravel excavation	,,	843
Metal broken	,,	111
Sand carted...	,,	805

Use of sand quite right.—J. F. P.

18. The latter was considered advisable in consequence of the soil being a heavy black cotton which requires much consolidation before metal can be spread.

19. The metal collected is enough for this section, and about 500 cubic yards gravel only remain to be excavated; when that is done the coolies will be moved on to the second section.

I have already remarked upon the conduct of this man which has been satisfactory.—J.F. P.

20. The Superintendent here since January has been C. Narasimham, Head Taramdar, Settlement Department, who has been most laborious and attentive in looking after his work.

What does he get now.—J. F. P.

21. Considering the exposure in this very unshaded part of the taluq, I think a slight increase in his pay would only be fair.

22. *Second Section of the above* 16 *Miles.*—The average attendance was 147, and Rs. 356-10-6 were paid in wages, for which 940 cubic yards earth-work were completed, 918 cubic yards of gravel excavated, and 455 cubic yards of gravel were spread.

23. With regard to the latter I must remark that it was not tamped, but merely spread loose, 1 foot thick, in place of throwing up the spoil from the side channels which is pure black cotton.

24. Over four miles of road-way have been constructed in this way, and it looks as if it would do very well.

It will not stand rain and traffic.—J. F. P.

25. An extra three inches can be spread on this and tamped after rain, when the whole thickness should become as hard as a block. This course has been adopted owing to gravel fortunately being readily procurable, and also in consideration of the great expense attending the collection of metal for so great a length.

26. The total expenditure on both sections up to the end of April was—

	RS.
1st Section	8,154
2nd ,, ...	7,102
Total ...	15,256

which represents the cost of $12\frac{1}{2}$ miles earth-work.

Metal collected	C. Yards.	$5,183\frac{3}{4}$
Gravel collected and spread...	,,	1,800
,, ,, unspread	,,	2,000
,, ,, sand	,,	1,090

High, but a good deal of money was spent on first starting and before task-work was introduced.—J. F. P.

Mr. Maclean visited the road in March, and valued the work done up to date at Rs. 6,689. Speaking roughly, metal and gravel have been collected for this first three miles, which have also been sanded, and $4\frac{1}{2}$ miles have been spread loose with one foot gravel in addition to the earth-work. Work is now going on at the 12th mile.

The physical condition of the coolies on the second section is good, but the few on the 1st section are the worst specimens in the taluq, owing, I suppose, to their previous poverty and to the fact that they are the dregs of a once large party. I again lightened their task, and saw that they received one pie per head in addition to their ordinary wages. This people are paid twice a-week, and their food is ragi at from 6 measures per rupee to 5¾.

27. *No. 6, Irrigation Repair, Appayapalli Channel.*—The total number of coolies employed was 893 only, so that the average number in attendance was 29, who were employed in finishing off this work which has been long in hand.

28. 1,105 cubic yards were excavated at a cost of Rs. 83-1-0, the task being marked at the rate of anna 1-3 per cubic yard.

29. The last payment was for the week ending 27th ultimo.

30. The total expenditure debited to this work was Rs. 6,782, which, however, includes the whole cost of contingencies, such as tools, rail charges, &c., amounting to Rs. 732-4-11, which should have been charged ratably to other works.

31. If the sum, therefore, be deducted together with the usual 5 per cent. for contingencies, such as pegs, ropes, and petty establishment, the total amount chargeable to earth-work alone will be Rs. 6,316-7-5 as against Rs. 3,250, the amount of the Public Works Department estimate, at anna 1 per cubic yard.

This is for famine work fairly reasonable. The Public Works Department rates were certainly low.—J. F. P.

32. The amount of work done was cubic yards 30,480, and the actual value per cubic yard is, therefore, Rs. 6,316 ÷ 30,480 = annas 3-3⅘ per cubic yard, or if the whole sum debited against this work be taken Rs. 6,782 ÷ 30,480, the cost will be 3½ annas per cubic yard, or a trifle over three times the rate allowed in the estimate, viz., one anna, which is very low for this channel, considering that there is a full 6 yards lift and 15 yards carry, which alone amounts to 7 pies, leaving only 5 pies for excavation, a killing rate for famine coolies; no allowance was made for sloping or forming-berms, which had to be watered first, and the rate of excavation was the same as for level ground, where a cooly can work far more effectively than when standing on a slope of from 53° to 33°. Out of the 30,480 cubic yards, 7,000 only have been excavated since I joined, and the rate for so much has been 1-6 per one yard.

33. This channel has been a long time in hand owing to frequent and obstinate strikes in consequence of the low rate and the ragi harvest which kept the strikers going for six weeks.

34. *No. 7, Pupagni River west Embankment Repairs.*—This is an old embankment which protects the right bank of the river on the Camalapur side for about one mile.

35. The average attendance was 504 coolies, and thier wages, at Scale No. 1, come to Rs. 938-8-8, for which 7,855 cubic yards were excavated at a rate of 1 anna 11 pies per yard, that allowed in the estimate being 1-3.

Very good. The work has, I believe, been under Mr. MacCartie from it commencement.—J. F. F.

36. The work was finished during the first few days of May at a cost of Rs. 2,100 as against the Public Works Department estimate, which was Rs. 1,900 and odd as well as I remember.

The work is useful, and has been very well done as far as I can judge.

37. *Dongelcheruvu Tank.*—The average attendance was about 1,100, and their wages amounted to Rs. 2,857-10-7½.

38. The following work was done :—

Earth-work, strengthening bund	C. Yards.	9,658
Outer slope	,,	11,185
Repairs to foundation of revetment	R. Yards.	3,432
Inner slope	,,	5,960

20/6/7

39. This work would have been finished by 30th April, but for the damage done by the rain of 15th March. It has since been completed (11th May), and the coolies transferred to Camalapur.

40. The total expenditure was Rs. 13,000, and, roughly speaking, the amount of work which has been done is as follows, the gravel having been supplied as backing for the revetment from a quarry within one mile.

1½ miles bund earth-work strengthened to a uniform width of from 8 to 10 yards.
Do. do. formation of inner slope with excavation of foundation for revetment.
Do. outer slope.
3,000 cubic yards of gravel were also dug and carted as backing to the revetment which was done by the Public Works Department.

In addition to the tank-work proper a koneru and a revetted and parapetted well were finished in the tank-bed at a cost of Rs. 160 and 600, respectively.

Both contain a good supply of water.

I do not recollect the koneru. The well is a very neat job.—J. F. P.

41. *Booga Road.*—Sixteen gangs, or 800 coolies, were continuously employed at a cost for wages of Rs. 1,747-13-7½, and the work was practically finished during the month, with the exception of earth-work connected with a road-dam in the 3rd mile, and some necessary repairs for which seven gangs have been retained.

42. The accompanying statement shows the details of work done, of which the principal features are the excavation of 2,394 cubic yards gravel, 1,984 cubic yards of which were spread over 1 mile and 1 furlong. 2 miles of road-way were also watered and rammed.

43. The expenditure has been Rupees 10,500, for which 3½ miles of roadway have been completed from 9 to 6 inches gravel having been spread, watered, and rammed.

44. The work made bad progress at first owing to want of organisation and to the difficulty of forming an approach to the river and of making a roadway across its bed. The estimates for this and the last-named work are almost ready.

45. *Minor Works.*—The sinking and deepening of wells were the only works coming under this head.

46. The total number of wells sanctioned from the commencement is 107.

47. Of these 78 have been given on contract and 37 have been completed, which leaves a balance of 41 in progress. Many of which are finished, but which there has not been an opportunity of measuring up, which is necessary before payment. A special Maistry has been detailed for the purpose. I have seen a good many during the last ten days, and there is no doubt but that they are much appreciated, and that the works have been generally well selected.

48. Special attention has been paid to the wants of the western portion of the taluq, and I do not apprehend any more serious difficulties than inconvenience which is often felt in an ordinary year.

I am of opinion that as regards water-supply for the Cuddapah Taluq every thing that was required has been done, and that no apprehensions in respect of want of it need be entertained.—J. F. P.

49. *Progress of Estimation and State of Accounts.*—Detailed bills have been prepared for the works up to the end of February, and March accounts are nearly ready. Completion Certificates are also in hand up to the end of the financial year.

Accounts up to end of March have been countersigned and sent to Madras.—J. F. P.

50. The existing works have nearly all been measured up, and estimates for the Booga Chentakommadinna road and the tank are now in hand.

51. *Tuccavy Advances.*—The total number of applications up to the end of the month was 305, and the total amount disbursed up to the same date was Rupees 13,120.

52. Of the applications received 153 have been disposed of by payment of money, 39 have been refused on various grounds and 113 are under inquiry. In four cases the money advanced has already been summarily recovered, as it was found that the money was improperly applied, and demands are out in a few other cases, but, as a rule, the money is being fairly utilised, as I am in a position to state after visiting a good many of such wells during this month.

These applications cannot just now be looked into and settled as rapidly as they otherwise would be, as the Tahsildar is busy preparing for Jamabundi.—J. F. P.

53. There was an inclination at first to take advantage of the generosity of Government, but that was promptly checked by making a severe example of a Reddy and Curnam who made false statements respecting the mortgageable value of a piece of land tendered as security.

Quite right. Were they dealt with magisterially?—J. F. P.

54. *Village Relief.*—Village relief, which was started on 15th March, was got into good working order during the month. 15,955 people were fed with two meals a day of ragi and cholum, mixed at a cost of Rs. 1,213-3-7. The average cost per head varying between annas 1-4 and 1-9 according to the market rate of provisions. Eight circles of inspection were established, and the weekly reports of the Inspectors enabled me to check the working of the system to a great extent, though unable to do much in the way of personal visitation owing to continuous absence in Royachoty, Budwail, and Porumamilla.

55. The Tahsildar deserves credit for his exertions in overcoming the apathy of the Reddies and in organising the system so efficiently that it is efficient so far, I can testify, as since May 7th I have inspected 50 villages myself unexpectedly in many cases, and have been agreeably surprised at finding the accounts written up to date, as a rule, and an absence of cheating.

This is very satisfactory, and is very creditable to Mr. MacCartie and his subordinate, the Tahsildar, both of whom have spared no exertions to make village relief what Government intend that it should be.—J. F. P.

56. The largest numbers in any one village were at Kokatum (27), but of these 16 were orphan children.

The orphans ought to be disposed of according to Government Order on the subject or else sent to relief camps.—J. F. P.

57. I never had to eject a soul, but, on the contrary, had often to admit several, as it was not clearly understood by the Reddies that the fact of being related to a relief cooly does not necessarily exclude from village relief. The sick poor are now being sent into the relief camp for medical attendance.

58. *Numbers and Condition of Relief Coolies.*—The numbers at work on 30th April were 3,415 as compared with 3,764 on 31st March. The decrease is owing to Nellore emigration which was just started.

59. The condition of the coolies was good with the exception of a few (190) at Yerraguntla, and their health was first rate as will be seen from the fact that out of 1,950 working within 3 miles of Cuddapah, 3 only were attacked with cholera, and they all recovered.

These have since been reported to have improved in condition.—J. F. P.

60. A large number of 3-pie children were vaccinated forcibly during the month.

I noticed a number of these children on the Dongalcheruvu I found that their parents made no objection to the operation. I asked one or two women, and they told me that the "Circar had ordered it." The measure, even though forcible, was highly desirable. I think that it would be advisable not to allow any healthy child to be brought upon the 3-pie rate until vaccinated. Some permanent good would thus come to the people out of the famine.—J. F. P.

61. *Nellore Coolies Emigration.*—Was started in April. Recruiters were appointed on a fixed monthly pay with a promise in addition of a *bonus* on delivery at Nellore.

62. Cuddapah was made the depôt for the Sub-Division and Pulivendla, and the transit went on swimmingly till 29th April, when it was stopped by a sharp outbreak of cholera said to have been imported by sub-division coolies.

63. The total numbers which passed through up to 30th April were 11,000, of whom 3,000 came from Cuddapah Taluq.

64. *Public Health.*—Cholera and small-pox prevailed to some extent during the month, the deaths from all sources being, according to village returns, 336, of which the particulars are as follow :—

Cholera	...	58
Small-pox	...	23
Fever	...	189
Bowel-complaint	...	6
Other causes	...	60
	Total ...	336

Small-pox is dying out, and the heavy rain we have had in several parts of the district will probably assist its disappearance.

65. The cholera figures are exclusive of those for Cuddapah Town where there was a fierce and virulent outbreak on 29th April which lasted for about a week; the seizures for the last two days of the month being respectively 56 and 58.

Fever, as might be expected from the changeable character of the weather, has increased somewhat. Cholera has nearly disappeared.—J. F. P.

66. A great panic was caused and numbers of Komaties and others ran away for a time.

67. *Cultivation.*—The actual acreage for the month was acres 1,729, both Circar and Inam, and the principal crops were indigo and paddy under channels, the canal, and wells in the vicinity of the Papagni.

There will be probably a considerable increase during this month as water has been sent down the canal, and the rain has induced the ryots to plough. The thunder-storms which precede the S. W. Monsoon have commenced. J. F. P.

68. The canal was dry, but it supplied eight tanks near Cuddapah and Chennur with about a month's supply of water.

69. The cultivation at Chennur is surprising, and I have seen much paddy and indigo along the Papagni lately between Vempally and Kamalapur. Cholum under wells is withering fast from want of rain and extreme heat; but though the yield may be poor, it will be most precious fodder to the half-starved laboring cattle, and I should say there will be quite two months' supply therefrom.

The recent rain will have refreshed these crops a good deal.—J. F. P.

70. *Condition of Cattle.*—The working cattle are still in fair condition, as the ryots have stores of ragi and in some cases paddy straw, which they jealously hoard up, and this will be supplemented largely by the cholum which is now being cut.

There will be but little trouble in another fortnight or three weeks in regard to grass for cattle as the fall of rain upon the hills has been in some cases very great. I ascended the Gurramkonda the other morning and found that the hill-grass was, though the rain had fallen only three or four days before, already springing up in all directions. Even if the Cuddapah Taluq itself cannot provide grass ample supplies will be obtainable on the surrounding hills.—J. F. P.

71. The other descriptions of cattle are suffering very much owing to the continuous want of rain. The deaths are reported as 68 only, but these figures are valueless, the number might safely be doubled. 2,355 were fed with prickly-pear during the month at a cost of Rs. 198-6-8, the ration being from 30 to 40 lbs. with 1 lb. straw on which the cattle thrive and get fat.

Mr. MacCartie is the only officer who has been successful with the experiment, and this has been the result of his taking a personal and continuous interest in it.—J. F. P.

72. I consider the experiment to be a success.

ENCLOSURE No. 1.

REPORT upon Relief-works in Cuddapah Taluq for the Month of April 1877.

Name of Work.	Distance in Miles.	Date of Commencement of Work.	Total Number of Coolies employed in April 1877.	Amount paid to them.	Name of Officer in charge of the Work.	Progress made in March 1877.	Average daily Attendance in April 1877.	Average daily Attendance in March.	Expenditure in March.
1. Patha Cuddapah road ...	3½	17th October 1876	5,653	RS. A. P. 447 7 3	Tahsildar of Cuddapah.	2,400 cubic yards of gravel have been stacked in the month at the quarry. The whole of the earth-work connected with this road has already been completed. Gravel and metal now collected is quite sufficient for the whole length of road.	188	212	RS. A. P. 543 8 6
2. Khajeepett and Camalapur road.	8	10th Nov. 1876 ...	5,778	421 3 0	Do. ...	The following work has been executed in the month of April :— 447 cubic yards of metal broken. 780 do. earth-work. 757 do. gravel.	192	345	849 11 5
3. Chentakommadinna road.	11	18th Nov. 1876 ...	10,692	813 5 5	Do. ...	The whole of earth-work connected with this road has been completed long ago. A mile of road has been metalled. The metal and gravel now prepared will be sufficient for 4⅓ miles. 869 cubic yards of metal. 467 do. of earth-work. 2,734 do. of gravel is the work for this month. Earth-work for 10 miles nearly has been completed by the end of April, of which a mile and one-third of road has been metalled. Metal and gravel now ready will be sufficient for 3½ miles.	356	335	806 0 8
4. Yerraguntla portion of Vempalle road under Taramdar.	2½	30th Dec. 1876 ...	5,924	473 0 5	Do. ...	The following work has been executed in the month :— 404 cubic yards of earth-work. 111 do. of metal. 843 do. of gravel. 805 do. of sand carted to the road. The whole of earth-work has been completed in the middle of January. The materials now collected are nearly sufficient for this length of road only. 500 cubic yards of gravel are wanting.	197	200	471 8 9
5. Indukur portion of Vempalle road under Varadarajulu.	15½	29th Nov. 1876 ...	4,414	356 10 6	Do. ...	The following work has been done in this month— 990 cubic yards of earth-work. 918 do. of gravel. 445 do. gravel spread over the road. Earth-work for 12½ miles has been completed up to the end of April. The gravel and metal now collected will be sufficient for 2 miles.	147	126	312 5 8

6. Camalapur Appeanpalle Channel.	......	December 1876 ...	893	84 6 4	Mr. Elliot ...	1,105 cubic yards were excavated. The work was finished.	29	No work in March owing to strikes.	
7. Papagni River west embankment.	......	25th Jan. 1877 ...	9,142	938 8 8	Do. ...	7,855 cubic yards were excavated...	594	......	309 5 2
8. Dongalcheruvu Tank ...	......	....	......	2,857 10 7½	Mr. Quinless.	The following work was done— Earth-work ... ... C. yds. 9,658 Outer slope ... ... S. yds. 11,185 Repairing foundation ... R. yds. 3,432 Repairing inner slope ... „ 5,960	1,100	950	1,970 0 0
9. Booga road	......	....	......	1,747 13 7½	Do. ...	The following work was executed :— Gravel excavated and stacked 594 cubic yards. Two miles of road rammed. One mile and 7 furlongs of road repaired. Five gangs cleared two wells for one day to obtain water to ram the road. Gravel spread 1,984 cubic yards for 2,040 R. yards, that is, 1 mile and 1 furlong of road. 390 cubic yards of earth-work. 120 do. of metal collected, broken, and spread for road-dams. 14 gangs used roller and 19 gangs built and collected stones for road-dams.	800	800	1,918 0 0

(Signed) C. F. MACCARTIE,
Special Asistant Collector.

Extra No. 1,215.

Forwarded for the information of Board of Revenue. The state of affairs in the Cuddapah Taluq is satisfactory in every way, and very creditable to Mr. MacCartie and those under him.

MADANAPALLI,
25th May 1877.

(Signed) J. F. PRICE,
Acting Collector.

Submitted for the information of Government.

2. The Board fully agree with the Collector's remarks as to the value of Mr. MacCartie's work in the Cuddapah Taluq. The works are well done, and the accounts are more advanced than in any part of the famine districts. The village relief is efficiently organised and working well. The Board are glad to hear that the advances under the Land Improvement Act are being really applied to the purposes for which they were made.

3. Mr. MacCartie's report is clear and condensed, but gives full information on every point. It stamps him as an officer of great merit.

(A true Copy and Extract.)

(Signed) H. E. STOKES,
Secretary.

No. 449-D. Order thereon, 20th June 1877, No. 2,060-B.

Miscellaneous.

The Government fully concur with the Board.

(True Extract.)

(Signed) J. H. GARSTIN,
Additional Secretary to Government.

To the Board of Revenue.
,, the Financial Department.

Exd. F. R. Bantleman.

Govt. of {1877} Madras.

REVENUE.

To

THE BOARD OF REVENUE,

&c., &c., &c.

Dated June 20th.

Issued in MS. 26th.

Printed July 6th.

Recd. Encl.

G.O., 20th June 1877, No. 2,060-B.

JUNE.

Nos. 449-C—449-D.

FAMINE RELIEF, No. 1,324-B.

Relief-works in Cuddapah Taluq.—Concurring with the Board of Revenue as to the value of Mr. MacCartie's — in the Cuddapah District.

0720 June No 2060B.

2060B / 1

Revenue Department

No. 4496

Proceedings of the Board of Revenue
dated 6th June 1877

Read the following

Board's Genl. R. No. 5991.

No. 87

From
C. F. MacCartie Esqr.
Special Asst. Collector
of Cuddapah

To
J. F. Price Esqr.
Acting Collector of Cuddapah

Sir
I have the honor to submit the following report upon the progress of the Cuddapah Taluq Relief works for the month of April as directed in Boards Proceedings No. 3244 dated 21st December 1876.

2 The accompanying statement contains the details of work done together with the expenditure and average daily attendance on each work, to which

are added Similar figures for March for Comparison.

New work No 1 Patha Cuddapah road 3½ miles

3. The average daily attendance was 188 and the amount paid in wages was Rs 447. 7-3 for which 2400 Cubic yards of gravel were excavated and stacked at the quarry, the task per gang of 50 being 24 Cubic yards per diem which has been Continuously kept up.

Very good (Sd) J.F.T.

4. The physical Condition of the Coolies was good throughout and no falling off was apparent. This work was closed on May 4th & the whole strength departed to Nellore as sufficient material have been Collected for spreading after the fall of rain.

5. The total expenditure up to the date of closing has been Rs 8667. 8. 0 and the work executed has been as follows

Earthwork 21400 Cubic yards value at As 1-3 per Cubic yard Rs 1671.

Metal

2062B/9

2

Metal piled and Carted Cubic yards 3798¾

D° but uncarted — 2247

6045¾

Gravel, partly Carted to road & partly Stacked at Quarry — yds 5000

6. The metal in hand is sufficient for a depth of 9 inches over the whole length, but if 4½ inches only be spread which is quite sufficient then only 3080 $\frac{2}{3}$ will be required leaving nearly as much again in store for repairs.

7. In the Same manner 6 inches of gravel over the metal will be ample considering the probable amount of traffic so that 5000 Cubic yards of gravel will be enough for the purpose.

New work No 2 Chapapett & Kamalapur Road 8 miles

8. The average attendance was 192 and the expenditure in wages was Rs 421. 3. 0.

447 Cubic yards metal were broken

757 — D° — gravel were excavated

780 — D° — Earthwork were Completed

principally in reforming the

sides

river approaches which had been bungled at the start.

9. The expenditure up to the end of March was Rs 10869 which represents the following amount of work exclusive of that done during the month.

Earthwork 22545 Cubic yards value Rs 1630-3-1 at from Anna 1 to -1-3 according to the nature of the Soil

Metal excavated carted & spread Cubic yards 2198
Do — unspread 1160 3/4
3358 3/4
Collected but unbroken 1931
Total metal 5289 3/4

About 1500 cubic yards are still required for a width of 4 yards × 1/3 foot which is quite enough for the expected traffic with a coating of 6 inches of gravel

Rather dear as regards metal
(Sd) I. F.

Gravel quarried, carted & spread 2797 C yards
Do — not spread 3706
Total gravel 6503

Still

Still required for 4 yards × 1/2 foot about 1500 Cubic yards half of which has been Collected during April

10. The work has all along been under the unpaid supervision of B. Venkata Reddi Reddi of Sunkesula who has taken great pains and interest in the work.

A word or two of approval to this man will probably be much appreciated by him, and some further notice of his conduct might be taken after the famine is over.
(Sd) I. F. P.

11. The Sapper Private Veeraya who was detailed to help him professionally, in addition to helpless incapacity, has been perfectly incorrigible in the way of giving himself long and frequent leaves whenever he wanted it. He has been placed out of employ and Specially reported.

He should be remanded to his Corps
(Sd) I. F. P.

12. The attendance averaged 356 per diem and Rs 813-5-5 were disbursed in wages.

New road No 3
Chenta Kommadinne
Road 12 miles

13 The details of work done are as follows

Excavation of gravel	Cubic yards	2734
Earthwork	————	457
Metal broken by women for whom there was no other employment		869

Rs 6902 – 14 – 10 have been spent up to the end of the month for which 10 miles nearly of Earthwork have been Completed

1 1/3 mile has been metalled and gravelled and materials Collected for about 3 1/2 more.

14 The Coolies kept up their Condition very fairly during the month as also did those upon the last named work.

15 The estimate or valuation of work done is under preparation but Mr Maclean Considers the character of the work to be very fair; the first four miles being distinctly good which is perhaps due to the good quality of the soil for road making purposes a

Good
(Sd) J.T.P.

a good many miles of the so called Earthwork being pure gravel.

New work No 4
1st section
Yerraguntla
& Vempalla
Road 22 ms. 6 fur.

16 The average attendance was 197 and their wages amounted to 473 – 15 – 8.

17 The following work was done

Earthwork	405	Cubic yards
Gravel excavation	843	—— do ——
Metal broken	111	—— do ——
Sand Carted	805	—— do ——

18 The latter was Considered advisable in Consequence of the soil being a heavy black cotton which requires much Consolidation before metal can be spread

Use of sand
Quite right
(Sd) J.T.P.

19 The metal Collected is enough for this section and about 500 Cubic yards gravel only remain to be excavated, when that is done the Coolies will be moved on to the 2nd section

20 The Superintendent here since January has been C. Narasimhan Head Jaramdar Settlement department who has been most laborious and attentive in looking after his work.

I have already remarked upon the [illegible] of this man which has been satisfactory (Sd) J.F.P.

21 Considering the exposure in this very unshaded part of the Taluq, I think a slight increase in his pay would only be fair

What has he got now (Sd) J.F.P.

22 The average attendance was 147 and Rs 356-10-6 were paid in wages for which 940 Cubic yards earthwork were completed.

918 Cubic yards gravel excavated &
455 do ——— were spread

2nd Section of the above 16 miles.

23. With regard to the latter I must remark that it was not tamped but merely spread loose 1 ft thick in place of

throwing

throwing up the spoil from the side channels which is pure black Cotton

will not
o rain
affic
) J.F.P.

24. Over 4 miles of road way have been constructed in this way and it looks as if it would do very well.

25. An extra 3 inches can be spread on this and tamped after rain, when the whole thickness should become as hard as a block. This course has been adopted owing to gravel fortunately being readily procurable and also in consideration of the great expense attending the collection of metal for so great a length.

26. The total expenditure on both sections up to the end of April was

1st Section Rs 8154
2nd — do — 7102
15256

which represents the cost

of 12 1/2 miles earth work.

Metal Collected Cubeyards 5183 3/4
Gravel — do. and spread — 1800
— do — unspread — 2000
— do — sand — 1090

Mr Maclean visited the road in March and valued the work done up to date at Rs 6689. Speaking roughly metal and gravel have been Collected for this 1st 3 miles which have also been Sanded and 4 1/2 miles have been spread loose with 1ft gravel in addition to the earth work. Work is now going on at the 12th mile.

High but
a good
deal of mon
was spent
on first
starting
before task
work wa
introduce
(Sd) J.F.

The physical Condition of the Coolies on the 2nd Section is good but the few on the 1st Section are the worst specimens in the Taluq, owing, I suppose, to their previous poverty and to the fact that they are the dregs of a once large

party. I again lightened their task and saw that they received 1 pie perhead in addition to their ordinary wages. This people are paid twice a week and their food is rage at from 8 measures per Rupee to 5 3/4.

No 6. Irrigation Repair — Appaya-halli channel

27. The total number of Coolies employed was 893 only, so that the average number in attendance daily was 29 who were employed in finishing off this work which has been long in hand.

28. 1105 Cubic yards were excavated at a cost of Rs 83-7-0 the task being marked at the rate of As 1-3 per cubic yard.

29. The last payment was for the week ending 27th Ultimo.

30. The total expenditure debited to this work was Rs 6782 which however includes the whole

cost of Contingencies such as tools, rail charges &c amounting to Rs 732-4-11 which should have been charged rateably to other works.

31 If this sum therefore be deducted together with the usual 5 per cent for Contingencies such as pegs ropes and petty establishment the total amount chargeable to earthwork alone will be — Rs 6316-7-5 as against Rs 3250 the amount of the D.P.W. Estimate at as/ per cubic yard.

This is, for Famine work fairly reasonable. The D P W rates were certainly low (Sd) J.F.P.

32. The amount of work done was cubic yards 30480 and the actual value per cubic yard is therefore $\frac{6316}{30480}$ = As 3 - $3\frac{4}{5}$ pie per cubic yard. or if the whole sum debited against this work be taken $\frac{Rs\ 6782}{30480}$ the cost will be $3\frac{1}{2}$ as per cubic yard or a triple over

O. No. 20603.

20603/13

over three times the rate allowed in the estimate viz As/ which is very low for this channel considering that there is a full 6 yds lift and 15 yards carry which alone amounts to 7 pies leaving only 5 pies per excavation, a killing rate for famine coolies; no allowance was made for sloping or forming berms which had to be watered first, & the rate of excavation was the same as for level ground where a cooly can work far more effectively than when standing on a slope of from 53° to 33° Out of the 30480 cubic yards 7000 only have been excavated since I joined and the rate for so much has been 1-6 per 1 yard.

33 This channel has been a long time in hand, owing to frequent and obstinate. Strikes in Consequence of the low rate and the Ragi harvest which kept the strickers going for 6 weeks.

34. This is an old embankment which protects the right bank of the river on the Kamalapur side for about one mile.

No 4 Papagni River – West Embankment repairs.

35. The average attendance was 504 Coolies and their wages at scale No. 1 come to Rs 938-8-8 for which 7856 Cubic yards were excavated at a rate of 1a-11p peryard that allowed in the Estimate being 1-3

Very good. The work has I believe been under Mr. MacCarthe from its Commencement (Sd) I. F. P.

36. The work was finished during the 1st few days of May at a Cost of Rs 2100 as against the D.P.W. estimate which was Rs 1900 and odd as well as I remember.

The work is useful and has been very well done as far as I can judge

2860B/14

Dongelcheruvu Tank

37. The average attendance was about 1100 and their wages amounted to R. 2857-10-7½

38. The following work was done

Earthwork strengthening bund cubic yards ——— 9658.

Outer Slope ——— 11185

Repairs to foundation of revetment R yards 3422

Inner slope R. yards ——— 5960

39 This work would have been finished by April 30th but for the damage done by the rain of March 15th it has since been Completed (May 11th) and the Coolies transferred to Kamalapur.

40. The total expenditure was Rs 13000 and roughly speaking the amount of work which has been done is as follows, the gravel having been supplied

as backing for the revetment from a quarry within one Mile.

1½ Mile bund. earthwork strengthened to a uniform width of from 8 to 10 yards.

Do. Do. formation of inner slope with excavation of foundation for revetment.

Do. Outer slope.

3000 Cubic yards of gravel were also dug and Carted as backing to the revetment which was done by the D. P. W.

In addition to the tank work proper a Koneru and a revetted & parapetted well were finished in the tank bed at a cost of Rs 160 and Rs 600 respectively. Both Contain a good supply of water.

I do not recollect the Koneru. The well is a very neat job (Sd) J F. P.

41 16 gangs or 800 Coolies were Continuously employed at a cost for wages of Rs 1747-13-7½ & the work was practically finished during

Booga Road

during the month with the exception of earthwork Connected with a road dam in the 3rd Mile and some necessary repairs for which 7 gangs have been retained

42 The accompanying statement shows the details of work done of which the principal features are the excavation of 2394 Cubic yards gravel, 1984 Cubic yards of which were spread over 1 mile and 1 furlong. 2 miles of road way were also watered and rammed.

43 The Expenditure has been to Rs 10500 for which 3½ miles of road way have been Completed from 9 to 6 inches gravel having been spread watered & rammed.

44 The work made bad progress at first owing to want of organization and to the difficulty of

difficulty of forming an approach to the river & of making a road way across its bed. The estimates for this and the last named work are almost ready.

Minor works

45. The sinking and deepening of wells were the only works coming under this head.

46. The total number of wells sanctioned from the commencement is 107.

47. Of these 78 have been given on contract and 37 have been completed which leaves a balance of 41 in progress. Many of which are finished but which there has not been an opportunity of measuring up, which is necessary before payment. A special Maistry has been detailed for the purpose. I have seen a good many during the last 10 days and there is no doubt but that they are much appreciated and that the works have been generally well selected.

I am of opinion that as regards water supply for the Cuddapah Taluq everything that was required has been done & that no apprehensions in respect of want of it need be entertained
(Sd) J.F.P.

48. Special attention has been paid to the wants of the western portion of the Taluq and I do not apprehend any more serious difficulties than inconvenience which is often felt in an ordinary year.

Progress of estimates and state of accounts

Accounts up to end of March have been counter signed and sent to Madras
(Sd) J.F.P.

49. Detailed bills have been prepared for the works up to the end of February & March accounts are nearly ready. Completion Certificates are also in hand up to the end of the financial year.

50. The existing works have nearly all been measured up and estimates for the Booga Chintakommadinna road and the tank are now in hand.

Tuccavy Advances

51 The total number of applications up to the end of the month was 305 and the total amount disbursed up to the same date was Rs 13120.

52 Of the applications received 153 have been disposed of by payment of money. 39 have been refused on various grounds and 113 are under enquiry. In four cases the money advanced has already been summarily recovered as it was found that the money was improperly applied and demands are out in a few other cases but as a rule the money is being fairly utilized, as I am in a position to state after visiting a good many of such wells during this month.

These applications cannot just now be looked into and settled as rapidly as they otherwise would be as the Tahsildar is busy preparing for Jama bundi
(Sd) J. F. P.

53. There was an inclination at first to take advantage of the generosity of Government

but

O. No. 2060B

11

but that was promptly checked by making a severe example of a Reddy and Kurnam, who made false statements respecting the mortgageable value of a piece of land tendered as security.

Quite right. Were they dealt with magisterially?
(Sd) J. F. P.

Village relief

54 Village Relief which was started on March 15th was got into good working order during the month. 15955 people were fed with 2 meals a day of Ragi and Cholum mixed at a cost of Rs 1213-3-7. The average cost per head varying between As 1-4 and 1-9 according to the market rate of provisions

8 Circles of inspection were established and the weekly reports of the inspectors enabled me to check the working of the system to a great extent though unable

to do much in the way of personal visitation owing to continuous absence in Royalchoty, Budwail and Porumamilla.

55. The Tahsildar deserves credit for his exertions in overcoming the apathy of the Reddies and in organizing the system so efficiently that it is efficient so far, I can testify, as since May 7th. I have inspected 50 villages myself unexpectedly in many cases and have been agreeably surprised at finding the accounts written up to date, as a rule, and an absence of cheating

This is very satisfactory & is very creditable to Mr. Malcolm & his subordinate the Tahsildar both of whom have spared no exertions to make village Relief what Government intend that it should be
(Sd) I.F.P.

56. The largest numbers in any one village were at Kokatum (27) but of these 16 were orphan children.

The orphans ought to be disposed of according to G.O. on the subject or else sent to Relief Camp
(Sd) I.F.P.

57 I never had to eject a soul but on the contrary had often to admit several as it was not clearly understood by the

All this to Mr. valuable

Reddies that the fact of being related to a Relief Cooly does not necessarily exclude from village relief. The sick poor are now being sent into the Relief Camp for medical attendance

Numbers & condition of Relief Coolies

58 The numbers at work on April 30th were 3416 as compared with 3764 on March 31st. The decrease is owing to Nellore emigration which was just started

59. The condition of the Coolies was good with the exception of a few (190) at Yerragunta and their health was first rate as will be seen from the fact that out of 1950 working within 3 miles of Cuddapah 3 only were attacked with Cholera and they all recovered.

These have since been reported to have improved in condition
(Sd) I.F.P.

60. A large number of 3 pies children were vaccinated forcibly during the month

I noticed a number of these children in the Dongal Cherruvoo

61. Was started in April. Recruiters were appointed on a fixed monthly pay with a promise in addition of a bonus on delivery at Nellore.

62. Cuddapah was made the depot for the Sub-division and Pulivendla and the transit went on swimmingly till April 29th when it was stopped by a sharp out break of Cholera said to have been imported by Sub-division Coolies.

63 The total numbers which passed through up to April 30th were 11000 of whom 3000 came from Cuddapah Taluq.

64. Cholera and Small-pox prevailed to some extent during the month the deaths from all sources being according to village returns 336 of which the particulars are as follows.

Cholera	58
Small-pox	23
Fever	189
Bowel complaint	6
Other causes	60
	336

Nellore Cooly Emigration } I found that their parents made no objection to the operation. I asked one or two women & they told me that the Circar had ordered it. The measure even though forcible was highly desirable. I think that it would be advisable not to allow any healthy child to be brought upon the 3 pie rate until vaccinated. Some permanent good would thus come to the people out of the famine (50) I.F.P.

Results [illegible]

Public Health

Small pox is dying out & the heavy rain we have had in several parts of the district will probably assist its disappearance. Fever

Fever as might be expected from the changeable character of the weather, has increased somewhat. Cholera has nearly disappeared. (50) I.F.P.

65. The cholera figures are exclusive of those for Cuddapah Town where there was a fierce and virulent outbreak on April 29th which lasted for about a week. The seizures for the 2 last days of the month being respectively 56 & 58.

66 A great panic was caused and numbers of Komaties and others ran away for a time

Cultivation There will be probably a considerable increase during this month as water has been sent down the Canal & the rain has induced the ryots to plough the thunder storms which precede the S.W. Monsoon have commenced (50) I.F.P.

67. The actual acreage for the month was acres 1729 both Circar & Inam and the principal crops were indigo & paddy under channels, the Canal & wells in the vicinity of the Papagni.

68. The Canal was dry but it supplied 8 Tanks near Cuddapah & Chennur with about a month's supply of water.

69. The cultivation at Chennur is surprising & I have seen

Much paddy and indigo along the Papagni lately between Vempally and Kamalapur. Cholum under wells is withering fast from want of rain and extreme heat, but though the yield may be poor, it will be most precious fodder to the half starved labouring cattle. And I should say there will be quite 2 months supply therefrom.

The recent rain will have refreshed these crops a good deal
(Sd) J.F.P.

70. The working cattle are still in fair condition as the ryots have stores of ragi and in some cases paddy straw which they jealously hoard up and this will be supplemented largely by the Cholum which is now being cut.

71. The other discriptions of cattle are suffering very much owing to the continuous want of rain the deaths are reported as 68 only. but these figures are valueless, the number might safely be doubled. 2355 were fed with prickly pear during the month at a cost of Rs 198-6-8 The ration being from 30 to 40 lbs with 1lb straw on which the cattle thrive & get fat.

Condition of Cattle.
There will be but little trouble in another fortnight or 3 weeks in regard to grass for cattle as the fall of rain upon the hills has been, in some cases very great I ascended the Gurramkonda the other morning & found that the hill grass was, though the rain had fallen only 3 or 4 days before, already springing up in all directions. Even if the Cuddapah Taluq itself cannot provide grass, ample supplies will be obtainable on the surrounding hills.
(Sd) J.F.P.

72. I consider the experiment to be a success.

Mr Macartie is the only officer who has been successful with the experiment & this has been the result of his taking a personal & continuous interest in it
(Sd) J.F.P.

Cuddapah
Special Asst. Collector's
Office 21st May 1877
Camp Gangarapalle

I have &c.
(Sd) C. T. Maccartie
Special Assistant Collector

(True Copy)

Extra No. 12/5.

Forwarded for the information of Board of Revenue. The state of affairs in the Cuddapah Taluq is satisfactory in every way & very creditable to Mr Mac Cartie & those under him.

Cuddapah Collector's Office
Camp Madanapalle
25th May 1877

(Sd) J. F. Price
Hd Collector

Submitted for the information of Government.

2. The Board fully agree with the Collector's remarks as to the value of Mr. MacCartie's work in the Cuddapah Taluk. The works are well done & the accounts are more advanced than in any part of the Famine Districts. The village relief is efficiently organized and working well. The Board are glad to hear that the advances under the Land Improvement Act are being really applied for the purposes for which they were made.

3. Mr. MacCartie's report is clear & condensed but gives full information on every point. It stamps him as an officer of great merit.

(True copy & extract)

J. Erskine

Secretary

To

The additional Secretary to Govt. R.D

with copy of enclosure

CM

Rev. 1877 Dept
No. 4383

Proceedings of the Board of Revenue
dated 6th June 1877
Rev. 5 —
818

Relief works in Cuddapah taluq — Submitting w/ remarks letter from the Collector of Cuddapah forwarding Special Asst. Collector's report on the progress of — for April 1877

No. 2060 B 16

The Govt. fully concur with

Secy.
20 June 1877

No. 697

13

Report upon Relief Works in Cuddapah Taluq for the Month of April 1877

	Name of work	Distance in miles	Date of commencement of work	Total number of Coolies employed in April 1877	Amount paid to them		Name of officer in Charge of the work	Progress made in March 1877	Average daily attendance in April 1877	Average daily attendance in March	Expenditure in March
1	Patha Cuddapah Road	3½ miles	17th October 1876	5653	447	7 3	Tahsildar of Cuddapah	2400 Cubic yards of gravel have been stacked in the month at the quarry. The whole of the Earthwork Connected with this road has already been Completed. Gravel & metal now Collected is quite Sufficient for the whole length of road	188	212	5438
2	Khajepett & Kamalapur road	8 miles	10th November 1876	5778	421	3 "	Do	The following work has been Executed in the month of April 44 cub. yards of metal broken 780 — Do — Earthwork 757 — Do — Gravel The whole of earthwork Connected with this road has been Completed long ago. A mile of road has been metalled. The metal and gravel now prepared will be sufficient for 4½ miles.	192	345	849 11
3	Chintakommadinna Road	11 miles	18th November 1876.	10692	813	5 5	Do	869 Cubic yards of metal 467 : Do — of earthwork 2734 — Do — of Gravel	356	335	866 -

6-9-02 6-9-110

							is the work for this month. Earth work for 10 miles nearly has been Completed by the end of April of which a mile & 1/3 of road has been metalled. Metal & gravel now ready will be sufficient for 3½ miles			
	Erragunta portion of Vempalle road under Jaramdar.	2½ miles	30th December 1876	5924	473 „ 5	Tahsildar of Cuddapah	The following work has been executed in the month. 404 cubic yards of Earthwork. 111 Do ——— of metal 843 Do ——— of gravel 805 Do of sand carted to the road. The whole of earthwork has been completed in the middle of January. The materials now collected are ~~nearly~~ sufficient for this length of road only 500 cubic yards of gravel are wanting	197	200	471 8
	Indukur portion of Vempalle road under Varadarajulu	15½ miles	29th November 1876	4414	356 10 6	Do	The following work has been done in this month. 990 cubic yards of Earthwork 918 — Do of gravel 445 gravel spread over the road Earthwork for 12½ miles has been completed up to the end of April. The gravel & metal now collected will be sufficient for 2 miles.	147	126	312 5 8
6	Ramalapur Appechpalle Channel	„	December 1876	893	84 6 4	Mr. Elliot	105 Cubic yards were excavated. The work was finished.	29	no work in march	
7	Papagni river west Embankment	„	25th Jany 1877	9142	938 8 8	Do	7855 Cubic yards were excavated	504	„	309 5
8	Dongalcheruvu Tank	„	„	„	2857 107½	Mr. Quarless	The following work was done Earthwork Cubic yards 9658 Outer slope S. yards — 11185 Repairing foundation R. Y. 3432 Repairing inner slope Do 5960	1100	950	1910 „
9	Booga Road	„	„	„	1747 137½	Do	The following work was executed Gravel excavated & stacked 394 cubic yards. 2 miles of road rammed 1 mile & 7 furlongs of road repaired 5 gangs cleared, 2 wells for one day to obtain water to ram the road Gravel spread 1984 cubic yards for 2040 R. yards that is 1 mile & 1 furlong of road 390 cubic yards of Earthwork 120 Do ——— of metal Collected broken & spread for road dams. 14 gangs used roller & 19 gangs built & collected stones for road dams.	800	800	1918 „

(Sd) C. F. MacCartie
Sub Asst Collector

(True Copy)
(Sd) J. F. Price
Ag Collector

(True Copy)

[illegible]
Secretary

20608
28

En 7 L383

Enclosure in Board
Proceedings to the
Additional Secret
to Government
dated 6th June 7

Recd. G.O. 20" June /77
Lr 449 Co

C11-6-77 R20-6-77