

Public Works (1897) Department.

G.O., No. 814 W

DATED 20 March 1897

W 3

[Despatch Abstract.]

Famine Relief Works: Estimates aggregating
Rs. 2,17,918 for road works proposed for famine
relief in the North Arcot Dist. sanctioned.

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p. 3

Index 2/14

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14

Estimates aggregating Rs. 2,17,918 for road works proposed for famine relief in the North Arcot district, sanctioned.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 18th January 1897, No. 27/W.

I have the honour to submit herewith, for sanction of Government, 28 famine estimates as per accompanying list received from the President, District Board, North Arcot, with the recommendation that the large lump sums allowed for masonry works in the various estimates Nos. 1, 12, 15 to 17, 19 to 22, 24, 25 and 28 as shown in the list may be eliminated from them pending submission of properly drawn out plans and estimates.

The above estimates are roughly prepared and could not be thoroughly checked in this office, as it would take some considerable time and it is considered not advisable to delay their submission for sanction.

A copy of resolution of the district board sanctioning these estimates is also submitted.

Note by the Chief Engineer, Public Works Department.

With his letter No. 27/W., dated 18th January 1897, the Superintending Engineer, IV Circle, submits, for sanction, 28 estimates for famine works in the North Arcot district. The lump sums provided for masonry works in the undermentioned estimates have been eliminated pending submission of properly drawn out plans and estimates:—

	Amount of estimate.	Amount for masonry.	Amount less masonry work.
	RS.	RS.	RS.
(1) Forming the road from Banavaram road tope to Panapakkam <i>via</i> Alapakkam, a distance of 7 miles..	9,200	5,090	4,110
(2) Forming road from Kilpady to Panur <i>via</i> Mudra, a distance of 7 miles ..	6,987	1,514	5,473
(3) Forming road from Disaniadivalam to Panur <i>via</i> Thirumalairaja Kandigai, distance 9 miles ..	7,000	700	6,300
(4) Forming road from Pudy to Rayalacheruvu, a distance of 11 miles ..	10,803	900	9,903
(5) Forming road from Aravapally (Rangampet) to Beemavaram, a distance of 3 miles 1 furlong and 240 feet ..	6,000	1,727	4,273
(6) Forming road from Rénigunta to Gazulaniandiam, a distance of 5 miles 4 furlongs ..	7,056	1,696	5,360

	Amount of estimate.	Amount for masonry.	Amount less masonry work.
	RS.	RS.	RS.
(7) Forming road from Chendragiri to Padi <i>via</i> Kundrapakiam, distance 9 miles 3 furlongs and 60 feet ..	18,000	7,628	10,372
(8) Forming road from Tirupati to Chendragiri <i>via</i> Avilala and Mallagunta, a distance of 3 miles 6 furlongs ..	6,000	2,000	4,000
(9) Constructing road from Karvetnagar to Pattagunta, distance 13 miles 2 furlongs and 300 feet ..	12,000	1,695	10,305
(10) Constructing road from Pattagunta to Devalampet to join Kotarlapalli road at 23½ mile, distance 11 miles 3 furlongs and 60 feet ..	13,000	2,800	10,200
(11) Forming road from Kundikuppam <i>via</i> Kosavanankuppam and Jambukolam, distance 9 miles ..	13,120	6,325	6,795
(12) Metalling road from Tirupati to Karambadi, a distance of 6 miles 2 furlongs and 400 feet ..	9,900	2,128	7,772
(13) Forming road from Panapakkam to Ponnyoor to join Banavaram-Kaveripakkam road, distance 7 miles 300 feet ..	9,100	5,090	4,010
(14) Forming road from Wallajapet to join Banavaram, Kaveripak road <i>via</i> Pathiambakkam, &c., a distance of 7 miles 2 furlongs and 350 feet ..	12,500	7,985	4,515

2. For the same reason, the estimate for constructing tunnels and road dams on the road from Banavaram to Sholingur, which provides entirely for masonry works, has not been approved.

3. With these alterations, the estimates are recommended for sanction as famine relief works, on the understanding that the Superintending Engineer will approve a proper working estimate for each road before the work is put in hand or as soon as possible after it is begun should it have to be started on emergently.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.

10th March 1897.

ORDER—No. 814 W., dated 20th March 1897.

The estimates aggregating Rs. 2,17,918, as altered by the Chief Engineer, for the undermentioned famine relief works in the North Arcot district, are sanctioned:—

Local.	RS.
(1) Forming the road from Banavaram road tope to Panapakkam <i>via</i> Alapakkam, a distance of 7 miles ..	4,110 No. 71 W. of 1896-97.
(2) Metalling road from Kaveripank to Sholingur Railway station, a distance of 9 miles 4 furlongs.	7,850 „ 72 W. of „
(3) Metalling road from Ranipet to Ponnai, a distance of 13 miles 2 furlongs ..	9,510 „ 73 W. of „
(4) Metalling road from Wallajah to Sholingur, a distance of 11 miles 4 furlongs ..	7,610 „ 74 W. of „
(5) Metalling the road from Ponnai to Sholingur, a distance of 12 miles ..	7,410 „ 75 W. of „
(6) Metalling the road from Tirutani to Ramakrishnarypet, a distance of 12 miles 2 furlongs ..	7,580 „ 76 W. of „
(7) Forming a new road from Athimanjurpet to Muthupally <i>via</i> Pothathurpet in Tirutani division, 9 miles ..	8,300 „ 77 W. of „
(8) Forming a road from Pothathurpet to Tirutani, a distance of 12 miles ..	13,500 „ 78 W. of „
(9) Metalling the road from Banavaram to Santhamangalam <i>via</i> Mahendravadi and Nimali to join Arkonam-Conjeevaram road, a distance of 9 miles 6 furlongs ..	11,080 „ 79 W. of „
(10) Forming road from Arigalavadi to Thakkolam, a distance of 4 miles ..	5,750 „ 80 W. of „

Local—cont.

	RS.	
(11) Forming road from Kilpady to Panur <i>via</i> Mudra, a distance of 7 miles ...	5,473	No. 81 W. of 1896-97.
(12) Forming road from Disaniadivalam to Panur <i>via</i> Thirumalairaja Kandigai, a distance of 9 miles.	6,300	„ 82 W. of „
(13) Forming road from Pudy to Rayalacheruvu, a distance of 11 miles ...	9,903	„ 83 W. of „
(14) Forming road from Aravapally (Rangampet) to Beemavaram, a distance of 3 miles 1 furlong and 240 feet ...	4,273	„ 84 W. of „
(15) Forming road from Rénigunta to Gazulani-andiam, a distance of 5 miles 4 furlongs ...	5,360	„ 85 W. of „
(16) Forming road from Chendragiri to Padi <i>via</i> Kundrapakiam, a distance of 9 miles 3 furlongs and 60 feet ...	10,372	„ 86 W. of „
(17) Forming road from Mamundur to Tirupati Hills, a distance of 12 miles 2 furlongs ...	16,240	„ 87 W. of „
(18) Forming road from Tirupati to Chendragiri <i>via</i> Avilala and Mallagunta, a distance of 3 miles 6 furlongs ...	4,000	„ 88 W. of „
(19) Constructing road from Karvetnagar to Pattagunta, a distance of 13 miles 2 furlongs and 300 feet ...	10,305	„ 89 W. of „
(20) Constructing road from Pattagunta to Devalampet to join Kotarlapalli road at 2 $\frac{3}{4}$ mile, a distance of 11 miles 3 furlongs and 60 feet ...	10,200	„ 90 W. of „
(21) Forming road from Kundikuppam <i>via</i> Kosavanankuppam and Jambukolum, a distance of 9 miles.	6,795	„ 91 W. of „
(22) Constructing road from Nagapatla to Tirupati Hills, a distance of 8 miles 3 furlongs ...	12,000	„ 92 W. of „
(23) Metalling the road from Tirupati to Karambadi, a distance of 6 miles, 2 furlongs and 400 feet.	7,772	„ 93 W. of „
(24) Forming road from Panapakkam to Ponnyoor to join Banavaram-Kaveripakkam road near Ponnyoor Government tope, a distance of 7 miles 300 feet ...	4,010	„ 94 W. of „
(25) Forming road from Echiputtur to Manival, a distance of 8 miles 2 furlongs and 133 feet ...	10,200	„ 95 W. of „
(26) Forming road from Perumabajupet to Tirutani, a distance of 7 miles 6 furlongs ...	7,500	„ 96 W. of „
(27) Forming road from Wallajapet to join Banavaram-Kaveripauk road <i>via</i> Pathiambakkam, &c., a distance of 7 miles 2 furlongs and 350 feet ...	4,515	„ 97 W. of „
Total ...	2,17,918	

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle.

Examiner, Public Works Accounts.

,, Local and Municipal Department, with thirty-one enclosures.

Exl. A.F. Eccleston.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

From the Suptg Engrs IV Circle No 27 W of 18th January 1897
Note by the Chief Engineer d/10th March 1897

The estimates aggregating

Rs 2,17,918, as altered by the Chief
Engrs, for the undermentioned Fea-
mine Relief Works in the North Arc
District are sanctioned:

- Local*
- (1) Forming the road from Banavaram road to Panapakkam *via* Alapakkam, a distance of 7 miles — Rs 4,110
 - (2) Metalling road from Kaveripauk to Gholingur Railway station, a distance of 9 miles 4 furlongs — Rs 7,850
 - (3) Metalling road from Ranipet to Ponnai, a distance of 13 miles 2 furlongs — Rs 9,510
 - (4) Metalling road from Wallajah to Gholingur, a distance of 11 miles 4 furlongs — Rs 7,610
 - (5) Metalling the road from Ponnai to Gholingur, a distance of 12 miles — Rs 7,410
 - (6) Metalling the road from Tirutani to Ramakrishnapet, a distance of 12 miles 2 furlongs — Rs 7,580
- C.G. Rs 44,070

No 71 W of 1896-97

No 72 W of 1896-97

No 73 W of 1896-97

No 74 W of 1896-97

No 75 W of 1896-97

No 76 W of 1896-97

Bt forward — Rs 44,070

- (7) Forming a new road from Athi manjupet to Muthupally via Pothathurpet in Tirutani Dist, 9 miles — Rs 8,300 No 77 W of 1896-97
 - (8) Forming a road from Pothathurpet to Tirutani, a distance of 12 miles — Rs 13,500 No 78 W of 1896-97
 - (9) Metalling the road from Banavaram to Lanthamangalam via Mahendravadi and Himali to join Arkonam Conjeveram road, a distance of 9 miles 6 furlongs — Rs 11,080 No 79 W of 1896-97
 - (10) Forming road from Arigalavadi to Thak. Kolam, a distance of 4 miles — Rs 5,750 No 80 W of 1896-97
 - (11) Forming road from Kilpady to Panur via Mudra, a distance of 7 miles — Rs 5,473 No 81 W of 1896-97
 - (12) Forming road from Disansa devalam to Panur via Thirumalaiviraja Kandigar, a distance of 9 miles — Rs 6,300 No 82 W of 1896-97
 - (13) Forming road from Pudy to Rayalacheruvu, a distance of 11 miles — Rs 9,903 No 83 W of 1896-97
 - (14) Forming road from Aravapally (Rangampet) to Bemavaram, a distance of 3 miles, 1 furlong and 240ft — Rs 4,273 No 84 W of 1896-97
 - (15) Forming road from Ranigunta to Gazula mandiam, a distance of 5 miles, 4 furlongs — Rs 5,360 No 85 W of 1896-97
 - (16) Forming road from Chendragiri to Padi via Kundrapathiam, a distance of 9 miles, 3 furlongs + 60ft — Rs 10,372 No 86 W of 1896-97
 - (17) Forming road from Mamundur to Tirupati Hills, a distance of 12 miles 2 furlongs — Rs 16,240 No 87 W of 1896-97
- Carried over Rs 1,40,621

(18) Forming

Brought forward — Rs 1,40,621

- (18) Forming road from Tirupati to Chendragiri via Arilala and Malla. gunta, a distance of 3 miles 6 furlongs — Rs 4,000 No 88 W of 1896-97
 - (19) Constructing road from Ravetnagar to Pattagunta, a distance of 13 miles, 2 furlongs and 30ft — Rs 10,305 No 89 W of 1896-97
 - (20) — do — from Pattagunta to Devalam pet to join Kilarlapalli road at 23 $\frac{3}{4}$ mile, a distance of 11 miles, 3 furlongs and 60ft — Rs 10,200 No 90 W of 1896-97
 - (21) Forming road from Kundi Kuppan via Kosavanan Kuppan and Jambukolum, a distance of 9 miles — Rs 6,795 No 91 W of 1896-97
 - (22) Constructing road from Nagapatha to Tirupati Hills, a distance of 8 miles 3 furlongs — Rs 12,000 No 92 W of 1896-97
 - (23) Metalling the road from Tirupati to Kas. Kambadi, a distance of 6 miles, 2 furlongs and 40ft — Rs 7,772 No 93 W of 1896-97
 - (24) Forming road from Panapakam to Ponnmyor to join Banavaram Kaveripakkam road near Ponnmyor Govt. Type, a distance of 7 miles 300ft — Rs 4,010 No 94 W of 1896-97
 - (25) — do — from Echiputtur to Manival, a distance of 8 miles, 2 furlongs and 130ft — Rs 10,200 No 95 W of 1896-97
 - (26) — do — from Perumahaipet to Tirutani, a distance of 7 miles, 6 furlongs — Rs 7,500 No 96 W of 1896-97
 - (27) — do — from Wallajapet to join Banavaram Kaveripakkam road via Pattiambakkam, a distance of 7 miles, 2 furlongs + 350ft — Rs 4,515 No 97 W of 1896-97
- Rs 2,17,918

She P. E. IV Circ

— Secy. P. W. Account

— Local and Municipal Deptt. with 28 miles

1896-97

1896-97

10/3/97

38

Note by the Chief Engineer

With his letter No 27W

d/ 18th January 1897, the Suptg Engr.

sum
8.34
16.3.97

IV Circle submits for sanction 28 estimates for Famine Works in the North Arcot Dt. The lump sums provided for masonry works in the undermentioned estimates have been eliminated pending submission of properly drawn out plans and estimates:—

	Amount of estimate	Amount for masonry	Amount less masonry works
(1) Forming the road from Banavaram road to Panapakkam via Alapak-Kam, a distance of 7 miles —	9,200	5,090	4,110
(2) Forming road from Kilpady to Panur via Mudra, a distance of 7 miles —	6,987	1,514	5,473
(3) Forming road from Disanidivalam to Panur via Thevimalairaja Kandigai, distance 9 miles.	7,000	700	6,300
(4) Forming road from Pudy to Rayalacheruvu, a distance of 11 miles —	10,803	900	9,903
(5) Forming road from Aravapally (Rangum pet) to Beemavaram a distance of 3 miles, 1 furlong and 240 ft	6,000	1,727	4,273
(6) Forming			

(6) Forming road from Ranigunta to Gazula-mandirum, a distance of 5 miles, 4 furlongs.	7.056	1.696	5,360
(7) Forming road from Chendragiri to Padi via Kundrapolam, distance 9 miles, 3 furlongs and 60 ft	18.000	7.628	10,372
(8) Forming road from Tirupati to Chendragiri, via Avitala and Mallapunta, a distance of 3 miles, 6 furlongs	6.000	2.000	4,000
(9) Constructing road from Kavetnagar to Pattagunta, distance 13 miles, 2 furlongs and 300 ft	12.000	1.695	10,305
(10) Constructing road Pattagunta to Devatampet to join Kotavlapalli road at 23 $\frac{3}{4}$ mile, distance 11 miles, 3 furlongs and 60 ft	13.000	2.800	10,200
(11) Forming road from Kundi Kuppam via Kusavanankuppam and Jamba Kolan, distance 9 miles	13.120	6.325	6,795
(12) Metalling road from Tirupati to Karambadi, a distance of 6 miles, 2 furlongs and 400 ft	9.900	2.128	7,772
(13) Forming road from Panapakam to Ponnyport to join Banavaram Kaveripakam road, distance 7 miles, 300 ft	9.100	5.090	4,010
(14) Forming road from Wallajapet to join Banavaram Kaveripak road via Pathiamakkam to a distance of 7 miles, 2 furlongs and 350 ft.	12.500	7.985	4,515

For the same reason, the estimate for constructing tunnels and road dams on the road from Banavaram to Sholingur, which provides entirely for masonry work, has not been approved.

With these alterations, the estimates are recommended for sanction only as Famine Works, on the understanding that the Suptg Engrs will approve proper work-
ing estimate for each road ^{before the} ~~as it may~~ be directed to put work in hand. as is now the practice
after it is known that it has been sanctioned.

E. W.

10/2/97
C. S. S.

S. A. W.

Public Works (1897) Department.

CURRENT No. 715

Order

From The Supt. Engineer,
4th Circle.

No. 27
W.

Dated 18th January 1897.

Received 21.1.97

Enclosures (30) Thirty.

Spare copies

SUBJECT.

Famine Estimates.

Submits for sanction of Government certain — for forming & ~~the~~ Roads in the North Arcot District.

I am early
sanctioning
C. S. S.
1/2/97

Supg: Engineers Office, 4th Cir
18th January 1897

From,

28

J. Hannan Esq.
Superintending Engineer, & Civil
Coimbatore

To,

The Chief Engineer
P. W. D.

iv.

Enclosures 30.

1 Lest

28 File of Estimates

1 Copy of D. B^d
Resolution

^x Separately sent
per Book Post.

I have the honor to submit herewith for sanction of Government 28 Famine estimates as per accompanying list received from the President District Board North Arcot, with the recommendation that the large lump sums allowed for masonry works in the various estimates Nos 1, 12, 15 to 17, 19 to 22, 24, 25 and 28 as shown in the list may be eliminated from them pending submission of properly drawn out plans and estimates.

The above estimates are roughly prepared and could not be thoroughly checked in this office as

it

It would take some considerable time and it is considered not advisable to delay their submission for sanction.

A copy of resolution of the District Board sanctioning these estimates is also submitted.

I have the honor to be,

Sir,

Your Most Obedt. Servant.

W. C. M. M.

Supg. Engineer, 4 Circle

Current No. 715

Letter No. 27/11

Dated 18 January 1897

From the Supg. Engineer IV Circle.

NOTE BY TECHNICAL SECTION.

Name of work Famine roads in the North Arcot District.

The S.E. IV Circle submits for the same sum of Rs. 34,170 the undermentioned 28 Famine estimates for road works in the North Arcot District with the recommendation that the large lump sums allowed for masonry works in the estimates may be eliminated from them pending submission of properly drawn out plans & estimates.

	Amount of estimate	Amount for masonry	Amount less masonry
(1) Forming the road from Bana: - varan road to Panapale. - Kan via Alapalkam, a distance of 7 miles	9,200	5,090	4,110
(2) Metalling road from Kaveri: - Panak to Sholingur railway station, a distance of 9 miles 4 furlongs.	7,850	..	7,850
(3) Metalling road from Panipat to Ponnai, a distance of 13 miles 2 furlongs	9,510	..	9,510
(4) Metalling road from Wallojal to Sholingur, a distance of 11 miles 4 furlongs	7,610	..	7,610
	34,170	5,090	29,080

Brought forward			
(5) Metalling the road from Ponnai to Sholingur a distance of 12 miles -	7410	..	7410
(6) Constructing tunnels and road dams on the road from Panavaram to Sholingur -	10528	10528	..
(7) Metalling the road from Tirutani to Panakshirupeti, a distance of 12 miles & 2 furlongs -	7580	..	7580
(8) Forming a new road from Athimangurpet to Mandur - partly via Pothathurpet in Tirutani Division, 9 miles -	8300	..	8300
(9) Do. a road from Pathurpet to Tirutani, a distance of 12 miles -	13500	..	13500
(10) Metalling the road from Banavaram to Santhamangal: - via Mahendravadi and Himali to join Arkonam Cojiveram road - a distance of 9 miles & 6 furlongs -	11080	..	11080
(11) Forming road from Ariga: - lavadi to Thakshilam, a distance of 4 miles -	5750	..	5750
(12) Forming road from Kilpady to Panur via Mudra, a distance of 7 miles -	6987	1514	5473
(13) Forming road from Disaniadu: - valam to Panur via Thennu: - alairaja Kandigai, a distance of 9 miles -	7000	700	6300
(14) Forming road from Pudy to Ra: - Zalachanvoo, a distance of 11 miles -	10803	900	9903
(15) Forming road from Aravapally (Rangumpet) to Banavaram a distance of 3 miles, 1 furlong & 240 feet -	6000	1727	4273
Carried over.			
	129108	20459	108649

Brought forward			
(16) Forming road from Pan: - guntla to Gazulaniandiam a distance of 5 miles & 4 furlongs -	7056	1696	5360
(17) Forming road from Chen: - dragiri to Padu via Kun: - dra. Botham a distance of 9 miles, 2 furlongs & 60 feet -	18000	7628	10372
(18) Forming road from Mannu: - dur to Tirupathi Hills, a distance of 12 miles & 2 furlongs -	16200	..	16200
(19) Forming road from Tiru: - pati to Chendragari, via Avilala and Malagunta, distance 3 miles & 6 furlongs -	6000	2000	4000
(20) Constructing road from Kavelinagar to Pattagunta distance 13 miles, 2 furlongs & 300 feet -	12000	1695	10305
(21) Constructing road Patta: - guntla to Devalampet to join Kotarlapalli road at 2 3/4 mile, distance 11 miles 3 furlongs & 60 feet -	13000	2800	10200
(22) Forming road from Kun: - dipulpam via Kosavam: - ankuppan & Jambaka: - lam, 9 miles -	13120	6325	6795
(23) Constructing road from Nagapatha to Tirupathi hills distance 8 miles, 3 furlongs -	12000	..	12000
(24) Metalling road from Tiru: - pati to Karambadi, a distance of 6 miles & 2 furlongs & 400 feet -	9900	2128	7772
(25) Forming road from Panapa: - kam to Ponnur to join Banavaram Kaveripakkam road, 7 miles 300 feet -	9100	5090	4010
C. Over.			
	245524	44821	195703

Forming road from Seli: - further to Manikab, dis: - 8 miles, 2 furlongs + 133 feet.	10200	..	10200
Forming road from Per: - unahajpet to Tintani 1 miles, 6 furlongs	7500	..	7500
Forming road from Valli: - jipet to join Banavaram Kaveripank road via Pattinambakkam & a distance of 9 miles, 2 fms + 350 feet	12500	7985	4515
Total Rupees	27524	5986	21918

These figures estimates are only approximate ones & provide for an:
- structing & forming roads, as per lengths
which above also for estimating &
- raising the roads throughout, cutting
side channels, metalling to a width
of 12 feet with 3 inches of lime jelly &
blinding the same with gravel 1 1/2" thick.

The rates as far as can be checked
are fair.

If masonry works are to be done:
- include the amount of the estimates
with stand as per 3^d column above.

The estimates have been counter:
- signed by the President Dir. Board
& approved in Dir. Board's proceedings
dated 8th January 1897.

[Signature]
A. S. G.

These estimates
may - after eliminating
the masonry portion - be
satisfied as to the
works on the understanding
that the Supt. Engineer will
approve a proper working
estimate for each road
as it may be decided to
put work in hand.

C. S. R.
6.3.97

Approved
[Signature]

8/5/97

[Signature]