Archives I -10,006—16-8 77.

(1) Number of pages 32

(2) Date of repair 23.4.87

(3) Initials of the Referencer ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. 2795-W
B.P. No. 2796-W

Press.
Mis.

Dated 25-X. 1882. ~~197~~.

Not to be folded or roughly handled

2095
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 176.

Read—the following papers:—

From K. F. NORDMANN, Esq., Executive Engineer, late on special duty, Vizagapatam Raipur Railway Survey, to the Secretary to Government, Public Works Department, dated Bellary, 30th September 1882, No. 118-B.—(Through the Examiner of Public Works Accounts.)

With reference to G.O., No. 1521 W., dated 17th June 1882, I have the honor herewith to submit a comparative statement showing in detail the actual expenditure incurred on the late reconnoissance and the excess over the (approximate) estimate which was sanctioned in G.O., No. 2294 W., dated 16th September 1881, to cover the proposed outlay.

	RS.
2. The original estimate amounted to	14,939
The actual expenditure was	*20,593
Excess ...	5,654

3. The excess is distributed under the several sub-heads of the estimate as follows:—

	RS.	A.	P.
(1) Establishment	2,408	5	9
(2) Camp equipage	379	0	0
(3) Cost of feeding elephants (including pay and batta of mahouts)	384	15	8
(4) Hire of carts, pack-bullocks and coolies for carriage of camp equipage, tools, instruments, dhoolies, and for clearing jungle, &c.	1,225	2	0
(5) Cost of instruments and drawing materials supplied from the Public Works Stores	988	13	10
(6) & (8) Sundries	84	11	4
(7) Police Guards	183	0	0
Total excess ...	5,654	0	7

4. The excess under "*Establishment*" requires no explanation, as all the charges under this head were duly sanctioned and audited in regular course.

5. As regards *camp equipage*, the excess is due to the fact that the tents, mentioned in the original estimate, were not procurable at short notice, and other suitable tents had to be selected from the Central Jails at Coimbatore and Vellore. All the tents having been brought back in good and serviceable condition, their value, whether they are kept or sold, will have to be credited to the work and thus reduce the apparent excess expenditure.

---

* Rs. 183 having been refunded by the Police Department, the actual expenditure is left at Rs. 20,410.

6. *Cost of feeding elephants.*—It was supposed that two elephants only would be required, but four were actually found necessary; and even these had to be relieved, when sick or sore, by others kindly lent by local chiefs *en route*, and by pack bullocks. This item includes not only the cost of feeding the elephants, but also the pay and batta of the mahouts and other attendants.

7. *Hire of carts, pack-bullocks and coolies for carriage of camp equipage, tools, instruments, dhoolies, for clearing jungle, &c.*—There was no provision for this in the estimate, but the expenditure was unavoidable. Carts were employed to carry the tents, stores, &c., from Vizagapatam to Vizianagrum (where the elephants joined) and partly to Párvatipur (where the pack-bullocks were engaged).

The pack-bullocks had to be employed to help the elephants (which were only allowed to carry 500 lb. each) in carrying tents, camp furniture, stores, tools, rice for the elephants and camp followers, &c.

Coolies were required to carry the instruments for the day's work, to carry the sick in dhoolies, to act as guides, to clear the jungle where no paths were found, to help in pitching tents when the lascars were laid up, &c.

I may mention that the carriage of the tents, occupied by Mr. Cormac and myself, and the carriage of our personal luggage are not included in this item, a due proportion for carriage on this account having been always paid for by ourselves.

8. *Instruments and drawing materials supplied from the Public Works Stores.*—These were not included in the original estimate, and the item requires no explanation.

The articles have been returned to the Public Works Stores, and their value should be credited to the work, whereby the apparent excess expenditure will be reduced. I have written to the General Superintendent of Public Works Stores to ascertain the amount to be credited under this head.

9. The item of *Sandries* requires no explanation.

10. *Police Guards.*—The amount expended on this account was Rs. 183. This has just been refunded by the Police Department, and the estimate will, therefore, be reduced by that amount.

11. The reason why this redistribution statement is submitted so late is that the accounts of the work could not be finally made up until last month, as there were still payments in arrears, on account of establishment, to be disbursed, and book transactions to be adjusted.

Comparative Stat
the co

Number.	Sanctioned
	(1.
	Pay and trave Nordmann, per cent. add
	Pay and travel Sub-Enginee 6 months
	Petty establi months
	Mr. Nordma expenses
	(2.
2	Double fly sl about 160 l
2	Bell tents
8	Double fly pa
2	Small sepoys'
2	Do. nate and his
2	Necessary ten
	(3.) Cost of per M

Bellary
30th September

6. *Cost of feeding elephants.*—It was supposed that two elephants only would be required, but four were actually found necessary; and even these had to be relieved, when sick or sore, by others kindly lent by local chiefs *en route*, and by pack bullocks. This item includes not only the cost of feeding the elephants, but also the pay and batta of the mahouts and other attendants.

7. *Hire of carts, pack-bullocks and coolies for carriage of camp equipage, tools, instruments, dhoolies, for clearing jungle, &c.*—There was no provision for this in the estimate, but the expenditure was unavoidable. Carts were employed to carry the tents, stores, &c., from Vizagapatam to Vizianagrum (where the elephants joined) and partly to Pârvatipur (where the pack-bullocks were engaged).

The pack-bullocks had to be employed to help the elephants (which were only allowed to carry 500 lb. each) in carrying tents, camp furniture, stores, tools, &c., for the elephants and camp followers, &c.

Coolies were required to carry the instruments for the day's work, to carry the sick in dhoolies, to act as guides, to clear the jungle where no paths were found, to help in pitching tents when the lascars were laid up, &c.

I may mention that the carriage of the tents, occupied by Mr. Cormac and myself, and the carriage of our personal luggage are not included in this item, a due proportion for carriage on this account having been always paid for by ourselves.

8. *Instruments and drawing materials supplied from the Public Works Stores.*—These were not included in the original estimate, and the item requires no explanation.

The articles have been returned to the Public Works Stores, and their value should be credited to the work, whereby the apparent excess expenditure will be reduced. I have written to the General Superintendent of Public Works Stores to ascertain the amount to be credited under this head.

9. The item of *Sundries* requires no explanation.

10. *Police Guards.*—The amount expended on this account was Rs. 183. This has just been refunded by the Police Department, and the estimate will, therefore, be reduced by that amount.

11. The reason why this redistribution statement is submitted so late is that the accounts of the work could not be finally made up until last month, as there were still payments in arrears, on account of establishment, to be disbursed, and book transactions to be adjusted.

FUND.—IMPERIAL, CAPITAL ORDINARY.—BRANCH STATE RAILWAYS.—DIVISION.—CHOTA NAGPUR RAILWAY SURVEY.

Comparative Statement showing the difference between the sanctioned (approximate) estimate and the expenditure actually incurred for the Reconnoissance of the country between the littoral of Vizagapatam and Raipur in the Central Provinces—G.O., No. 2294 W., dated 16th September 1881.

Number.	Sanctioned (Approximate) Estimate.	Rate for each.	Amount.	Total.
		RS. A. P.	RS. A. P.	RS. A. P.
	(1.) ESTABLISHMENT.			
	Pay and travelling allowance of Mr. K. F. Nordmann, Executive Engineer, with 50 per cent. added for 6 months	..	8,550 0 0	
	Pay and travelling allowance of Mr. Cormac, Sub-Engineer, with 50 per cent. added for 6 months	..	3,060 0 0	
	Petty establishment at Rs. 150 for 6 months	..	900 0 0	
	Mr. Nordmann's preliminary travelling expenses	..	229 0 0	
				12,739 0 0
	(2.) CAMP EQUIPAGE.			
2	Double fly sholdaries weighing with pegs about 160 lb. each	200 0 0	400 0 0	
2	Bell tents do. do. ..	200 0 0	400 0 0	
6	Double fly pauls weighing 80 lb. each ..	100 0 0	600 0 0	
2	Small sepoys' tents	50 0 0	100 0 0	
2	Do. do. for the Revenue Subordinate and his servant	50 0 0	100 0 0	
2	Necessary tents	50 0 0	100 0 0	
				1,900 0 0
	(3.) COST OF FEEDING ELEPHANTS AT RS. 50 PER MENSEM	..	300 0 0	300 0 0
	Total ..	..	..	14,939 0 0

Number.	Actual Expenditure incurred.	Rate for each.	Amount.	Total.
		RS. A. P.	RS. A. P.	RS. A. P.
	(1.) ESTABLISHMENT.			
	Salaries.			
	Executive Engineer	7,313 1 11		
	Upper Subordinate	2,647 6 8		
	Petty Establishment	1,552 9 6		
	Office do.	* 261 2 10		
	Total Salaries ..	..	11,774 4 11	
	Travelling Allowances	† 2,457 8 3	2,457 8 3	
	Contingencies	915 8 7	915 8 7	15,147 5
	(2.) CAMP EQUIPAGE.			
2	Bengal sleeping pauls 12' × 12'	222 0 0	444 0 0	
1	Hill tent with bath room	330 0 0	330 0 0	
1	Double fly bechoba with bath room ..	250 0 0	250 0 0	
1	Single fly bechoba	135 0 0	135 0 0	
1	Rowty	95 0 0	95 0 0	
8	Cabul paulis	80 0 0	640 0 0	
1	Small sholdari	55 0 0	55 0 0	
2	Camp tents	60 0 0	120 0 0	
1	Necessary tent	30 0 0	30 0 0	
2	French "Tentes de troupe" for Police guards and stores	90 0 0	180 0 0	2,279 0
	(3.) COST OF FEEDING ELEPHANTS, INCLUDING PAY AND BATTA OF MAHOUTS	684 15 8	684 15 8	684 15
	(4.) HIRE OF CARTS, PACK BULLOCKS AND COOLIES FOR CARRIAGE OF CAMP EQUIPAGE, TOOLS, INSTRUMENTS, DHOOLIES, CLEARING JUNGLE, &C.	1,225 2 0	1,225 2 0	1,225 2
	(5.) INSTRUMENTS AND DRAWING MATERIALS SUPPLIED FROM PUBLIC WORKS STORES, MADRAS.			
2	Perambulators, Europe	..	178 10 6	
3	50 feet measuring tapes	..	12 6 9	
1	Prismatic compass with stand	..	63 0 0	
1	Pocket compass	..	4 11 0	
9	Aneroid barometers	..	428 15 8	
2	Standard thermometers	..	51 0 8	
1	Thermometer	..	8 7 0	
1	Mathematical instrument box, 1st class ..	..	60 4 10	
1	Parallel ruler, brass rolling 18 inches ..	..	18 0 0	
1	Set Marquois scales, boxwood	..	4 8 0	
1	T. Square 24"	..	2 3 0	
1	Ghât tracing quadrant with stand	..	36 8 3	
1	Staff for do. do.	..	9 2 0	
2	Aneroid barometers	..	95 6 2	
	Packing charges, boat hire, pier tolls, railway charges, freight and agency charged by Public Works Stores	..	24 12 7	
	Total, Scientific Instruments ..	..	..	998 1
	(6.) OTHER ITEMS.			
	Brass badges supplied by Public Works Stores	..	20 0 0	20
	Sundry purchases, such as poles, pegs, &c. ..	..	55 14 0	55 1
	Repairs and carriage of camp equipage, packing cases, &c.	..	..	‡ 3
	(7.) POLICE GUARDS	..	§ 183 0 0	183
	(8.) SUNDRIES	..	6 7 10	6
	Total ..	..	..	20,593
	Sanctioned Approximate Estimate ..	..	..	14,939
	Excess ..	..	..	5,654

---

* Rs. 27-0-9 has still to be adjusted.
† Rs. 267-9-4 do. do.
‡ This charge has yet to be adjusted.
§ Since refunded by the Superintendent of Police, Vizagapatam.

Bellary,
30th September 1882.

(Signed) K. F. NORDMANN,
Executive Engin

No. 765 X.

Endorsement on the above.

Forwarded to the Secretary to Government, Public Works Department, with the remark that the items of Rs. 267-9-4 and Rs. 3-5-6 alluded to by foot-notes in the comparative statement have since been adjusted.

The General Superintendent, Public Works Stores, has already been instructed to afford credit to the Chota Nagpur Railway Survey Division for such articles as are taken back to the Stores Division, as also for the proceeds realized by the sale of the rest.

16th October 1882.

(Signed) F. E. GODFREY,
for Examiner, Public Works Accounts.

No. 177.

ORDER—dated 25th October 1882, No. 2795 W., Public Works.

The redistribution statement of expenditure, amounting to Rs. 20,410, on the Chota Nagpur Railway Survey, is sanctioned.

2. The amount will be further reduced by credits afforded on account of articles sold and returned to the Public Works Stores.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

(Here enter No. 2796 W., dated 25th October 1882.)

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To K. F. Nordmann, Esq.
,, the Examiner, Public Works Accounts.
,, the Consulting Engineer for Railways.

Exd. C. Howarth.
Spare Copies

2795/3

GENERAL.
ACCOUNT.

Govt. of (1882) Madras.

PUBLIC WORKS.

Dated October, 25th.

Recd. *Encl.*

G.O., 25th Oct. 1882, No. 2795 W.

OCTOBER.
Nos. 176-177.

Chota Nagpur Railway Survey.

The redistribution statement of expenditure, amounting to Rs. 20,410, *on the* —, sanctioned with remarks.

2795
4

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 176.

Read—the following papers :—

From K. F. NORDMANN, Esq., Executive Engineer, late on special duty, Vizagapatam Raipur Railway Survey, to the Secretary to Government, Public Works Department, dated Bellary, 30th September 1882, No. 118-B. —(Through the Examiner of Public Works Accounts.)

With reference to G.O., No. 1521 W., dated 17th June 1882, I have the honor herewith to submit a comparative statement showing in detail the actual expenditure incurred on the late reconnoissance and the excess over the (approximate) estimate which was sanctioned in G.O., No. 2294 W., dated 16th September 1881, to cover the proposed outlay.

	RS.
2. The original estimate amounted to	14,939
The actual expenditure was	*20,593
Excess ...	5,654

3. The excess is distributed under the several sub-heads of the estimate as follows :—

	RS.	A.	P.
(1) Establishment	2,408	5	9
(2) Camp equipage	379	0	0
(3) Cost of feeding elephants (including pay and batta of mahouts)	384	15	8
(4) Hire of carts, pack-bullocks and coolies for carriage of camp equipage, tools, instruments, dhoolies, and for clearing jungle, &c.	1,225	2	0
(5) Cost of instruments and drawing materials supplied from the Public Works Stores	988	13	10
(6) & (8) Sundries	84	11	4
(7) Police Guards	183	0	0
Total excess ...	5,654	0	7

4. The excess under "*Establishment*" requires no explanation, as all the charges under this head were duly sanctioned and audited in regular course.

5. As regards *camp equipage*, the excess is due to the fact that the tents, mentioned in the original estimate, were not procurable at short notice, and other suitable tents had to be selected from the Central Jails at Coimbatore and Vellore. All the tents having been brought back in good and serviceable condition, their value, whether they are kept or sold, will have to be credited to the work and thus reduce the apparent excess expenditure.

* Rs. 183 having been refunded by the Police Department, the actual expenditure is left at Rs. 20,410.

6. *Cost of feeding elephants.*—It was supposed that two elephants only would be required, but four were actually found necessary; and even these had to be relieved, when sick or sore, by others kindly lent by local chiefs *en route*, and by pack bullocks. This item includes not only the cost of feeding the elephants, but also the pay and batta of the mahouts and other attendants.

7. *Hire of carts, pack-bullocks and coolies for carriage of camp equipage, tools, instruments, dhoolies, for clearing jungle, &c.*—There was no provision for this in the estimate, but the expenditure was unavoidable. Carts were employed to carry the tents, stores, &c., from Vizagapatam to Vizianagrum (where the elephants joined) and partly to Párvatipur (where the pack-bullocks were engaged).

The pack-bullocks had to be employed to help the elephants (which were only allowed to carry 500 lb. each) in carrying tents, camp furniture, stores, tools, rice for the elephants and camp followers, &c.

Coolies were required to carry the instruments for the day's work, to carry the sick in dhoolies, to act as guides, to clear the jungle where no paths were found, to help in pitching tents when the lascars were laid up, &c.

I may mention that the carriage of the tents, occupied by Mr. Cormac and myself, and the carriage of our personal luggage are not included in this item, a due proportion for carriage on this account having been always paid for by ourselves.

8. *Instruments and drawing materials supplied from the Public Works Stores.*—These were not included in the original estimate, and the item requires no explanation.

The articles have been returned to the Public Works Stores, and their value should be credited to the work, whereby the apparent excess expenditure will be reduced. I have written to the General Superintendent of Public Works Stores to ascertain the amount to be credited under this head.

9. The item of *Sundries* requires no explanation.

10. *Police Guards.*—The amount expended on this account was Rs. 183. This has just been refunded by the Police Department, and the estimate will, therefore, be reduced by that amount.

11. The reason why this redistribution statement is submitted so late is that the accounts of the work could not be finally made up until last month, as there were still payments in arrears, on account of establishment, to be disbursed, and book transactions to be adjusted.

Comparative St
the

Number.	Sanctio
	Pay and Nordma per cent Pay and t Sub-En 6 month Petty e months Mr. No expens
3	Double about
2	Bell ten
8	Double
2	Small s
2	Do. nate a
2	Necessa
	(3.) Co

30th S

6. *Cost of feeding elephants.*—It was supposed that two elephants only would be required, but four were actually found necessary; and even these had to be relieved, when sick or sore, by others kindly lent by local chiefs *en route*, and by pack bullocks. This item includes not only the cost of feeding the elephants, but also the pay and batta of the mahouts and other attendants.

7. *Hire of carts, pack-bullocks and coolies for carriage of camp equipage, tools, instruments, dhoolies, for clearing jungle, &c.*—There was no provision for this in the estimate, but the expenditure was unavoidable. Carts were employed to carry the tents, stores, &c., from Vizagapatam to Vizianagrum (where the elephants joined) and partly to Párvatipur (where the pack-bullocks were engaged).

The pack-bullocks had to be employed to help the elephants (which were only allowed to carry 500 lb. each) in carrying tents, camp furniture, stores, tools, rice for the elephants and camp followers, &c.

Coolies were required to carry the instruments for the day's work, to carry the sick in dhoolies, to act as guides, to clear the jungle where no paths were found, to help in pitching tents when the lascars were laid up, &c.

I may mention that the carriage of the tents, occupied by Mr. Cormac and myself, and the carriage of our personal luggage are not included in this item, a due proportion for carriage on this account having been always paid for by ourselves.

8. *Instruments and drawing materials supplied from the Public Works Stores.*—These were not included in the original estimate, and the item requires no explanation.

The articles have been returned to the Public Works Stores, and their value should be credited to the work, whereby the apparent excess expenditure will be reduced. I have written to the General Superintendent of Public Works Stores to ascertain the amount to be credited under this head.

9. The item of *Sundries* requires no explanation.

10. *Police Guards.*—The amount expended on this account was Rs. 183. This has just been refunded by the Police Department, and the estimate will, therefore, be reduced by that amount.

11. The reason why this redistribution statement is submitted so late is that the accounts of the work could not be finally made up until last month, as there were still payments in arrears, on account of establishment, to be disbursed, and book transactions to be adjusted.

2795/3

FUND.—IMPERIAL, CAPITAL ORDINARY.—BRANCH STATE RAILWAYS.—DIVISION.—CHOTA NAGPUR RAILWAY SURVEY.

Comparative Statement showing the difference between the sanctioned (approximate) estimate and the expenditure actually incurred for the Reconnoissance of the country between the littoral of Vizagapatam and Raipur in the Central Provinces—G.O. No. 2294 W., dated 16th September 1881.

Number.	Sanctioned (Approximate) Estimate.	Rate for each.	Amount.	Total.
		RS. A. P.	RS. A. P.	RS. A. P.
	(1.) ESTABLISHMENT.			
	Pay and travelling allowance of Mr. K. F. Nordmann, Executive Engineer, with 50 per cent. added for 6 months	..	8,550 0 0	
	Pay and travelling allowance of Mr. Cormac, Sub-Engineer, with 50 per cent. added for 6 months	..	3,060 0 0	
	Petty establishment at Rs. 150 for 6 months	..	900 0 0	
	Mr. Nordmann's preliminary travelling expenses	..	229 0 0	12,739 0 0
	(2.) CAMP EQUIPAGE.			
2	Double fly shoidaries weighing with pegs about 160 lb. each	200 0 0	400 0 0	
2	Bell tents do. do. ..	200 0 0	400 0 0	
8	Double fly pauls weighing 80 lb. each ..	100 0 0	800 0 0	
2	Small sepoys' tents	50 0 0	100 0 0	
2	Do. do. for the Revenue Subordinate and his servant	50 0 0	100 0 0	
2	Necessary tents	50 0 0	100 0 0	1,900 0 0
	(3.) COST OF FEEDING ELEPHANTS AT RS. 50 PER MENSEM	..	300 0 0	300 0 0
	Total ..	..	..	14,939 0 0

Number.	Actual Expenditure incurred.	Rate for each.	Amount.	Total.
		RS. A. P.	RS. A. P.	RS. A. P.
	(1.) ESTABLISHMENT.			
	Salaries.			
	Executive Engineer	7,313 1 11		
	Upper Subordinate	2,647 6 8		
	Petty Establishment	1,552 9 6		
	Office do.	* 261 2 10		
	Total Salaries ..	..	11,774 4 11	
	Travelling Allowances	† 2,457 8 3	2,457 8 3	
	Contingencies	915 8 7	915 8 7	15,147 4 9
	(2.) CAMP EQUIPAGE.			
2	Bengal sleeping pauls 12' × 12'	222 0 0	444 0 0	
1	Hill tent with bath room	330 0 0	330 0 0	
1	Double fly bechoba with bath room	250 0 0	250 0 0	
1	Single fly bechoba	135 0 0	135 0 0	
1	Rowty	95 0 0	95 0 0	
8	Cabul pauls	80 0 0	640 0 0	
1	Small sholdari	55 0 0	55 0 0	
2	Camp tents	60 0 0	120 0 0	
1	Necessary tent	30 0 0	30 0 0	
2	French "Tentes de troupe" for Police guards and stores	90 0 0	180 0 0	2,279 0 0
	(3.) COST OF FEEDING ELEPHANTS, INCLUDING PAY AND BATTA OF MAHOUTS	684 15 8	684 15 8	684 15 8
	(4.) HIRE OF CARTS, PACK BULLOCKS AND COOLIES FOR CARRIAGE OF CAMP EQUIPAGE, TOOLS, INSTRUMENTS, DHOOLIES, CLEARING JUNGLE, &c.	1,225 2 0	1,225 2 0	1,225 2 0
	(5.) INSTRUMENTS AND DRAWING MATERIALS SUPPLIED FROM PUBLIC WORKS STORES, MADRAS.			
3	Perambulators, Europe	..	178 10 0	
3	60 feet measuring tapes	..	12 6 9	
1	Prismatic compass with stand	..	63 0 0	
1	Pocket compass	..	4 11 0	
9	Aneroid barometers	..	428 15 3	
2	Standard thermometers	..	51 0 0	
1	Thermometer	..	8 7 0	
1	Mathematical instrument box, 1st class ..	..	60 4 10	
1	Parallel ruler, brass rolling, 18 inches ..	..	18 0 0	
1	Set Marquois scales, boxwood	..	4 8 0	
1	T. Square 24"	..	2 3 0	
1	Ghât tracing quadrant with stand	..	36 8 3	
1	Staff for do. do.	..	0 2 0	
2	Aneroid barometers	..	95 5 2	
	Packing charges, boat hire, pier tolls, railway charges, freight and agency charged by Public Works Stores	..	24 12 7	
	Total Scientific Instruments ..	..	..	988 13 1
	(6.) OTHER ITEMS.			
	Brass badges supplied by Public Works Stores	..	20 0 0	20 0
	Sundry purchases, such as poles, pegs, &c. ..	..	55 14 0	55 14
	Repairs and carriage of camp equipage, packing cases, &c.	..	..	‡ 3 5
	(7.) POLICE GUARDS	..	§ 183 0 0	183 0
	(8.) SUNDRIES	..	5 7 10	5 7
	Total ..	..	..	20,593
	Sanctioned Approximate Estimate ..	..	..	14,939
	Excess ..	..	..	5,654

* Rs. 27-6-9 has still to be adjusted.
† Rs. 267-9-4 do. do.
‡ This charge has yet to be adjusted.
§ Since refunded by the Superintendent of Police, Vizagapatam.

Bellary,
30th September 1882.

(Signed) K. F. NORDMANN,
Executive Engin

No. 765 X.

Endorsement on the above.

Forwarded to the Secretary to Government, Public Works Department, with the remark that the items of Rs. 267-9-4 and Rs. 3-5-6 alluded to by foot-notes in the comparative statement have since been adjusted.

The General Superintendent, Public Works Stores, has already been instructed to afford credit to the Chota Nagpur Railway Survey Division for such articles as are taken back to the Stores Division, as also for the proceeds realized by the sale of the rest.

16th October 1882.

(Signed) F. E. GODFREY,
for Examiner, Public Works Accounts.

No. 177.

Order—dated 25th October 1882, No. 2795 W., Public Works.

The redistribution statement of expenditure, amounting to Rs. 20,410, on the Chota Nagpur Railway Survey, is sanctioned.

2. The amount will be further reduced by credits afforded on account of articles sold and returned to the Public Works Stores.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

(Here enter No. 2796 W., dated 25th October 1882.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Offg. Secretary to Govt., P.W.D.

To K. F. Nordmann, Esq.
" the Examiner, Public Works Accounts.
" the Consulting Engineer for Railways.

No. 178.

Endorsement—dated 25th October 1882, No. 2796 W., Public Works.

Forwarded.

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

Exd. C. Howarth.
Spare Copies

2795
6

GENERAL.
ACCOUNT.

Govt. of (1882) Madras.
PUBLIC WORKS.

Dated October, 25th.

Recd. Encl.

G.O., 25th Oct. 1882, No. 2796 W.

OCTOBER.
Nos. 176—178,

Chota Nagpur Railway Survey.

FORWARDING copy of Proceedings sanctioning the redistribution statement of expenditure amounting to Rs. 20,410 on the

---

No 118/B

2795

Recd 30 September/82.
Despatched 3d October

From
H. G. Nordmann Esquire
Executive Engineer
late on Special duty
Vizagapatam Raipur Railway Survey

To.
Colonel R. H. Sankey C.S.I.
Secretary to Government P.W.D.
Ootacamund.

(Through the Examiner of P.W. Accounts)

Sir,

With reference to G.O. No 1521 W. dated 17th June 1882, I have the honor herewith to submit a Comparative Statement, shewing in detail the actual Expenditure incurred on the late Reconnoissance and the Excess over the (Approximate) estimate which was Sanctioned in G.O. No 2294 W. Df 16th September 1881 to cover the proposed Outlay.

2. The original estimate amounted to Rs 14939
The actual Expenditure was Rupees — 20593*
Excess — 5654

3. The Excess is distributed under

* Rs 183 having been refunded by the Police Dept, the actual expenditure is reduced to Rs 20,410.

the several sub-heads of the Estimate as follows:

(1) Establishment	2408-5-9.
(2) Camp equipage	379-„-„
(3) Cost of feeding elephants (including pay & batta of Mahouts)	384-15-8.
(4) Hire of Carts, pack bullocks & Coolies for Carriage of Camp equipage, tools, instruments, dhoolies, and for clearing jungle &c.	1225-2-0.
(5) Cost of instruments and drawing materials, supplied from the P. W. Stores.	
(6) & (8) Sundries	988-13-10.
(7) Police guards	84-11-4.
	183-„-„.
Total Excess Rs.	5654-„-7

4. The excess under "Establishment" requires no explanation, as all the charges under this head were duly sanctioned, and audited in regular course.

5. As regards Camp Equipage, the excess is due to the fact that the tents, mentioned in the original Estimate, were not procurable at short notice, and other suitable tents had to be selected from the Central Jails at Coimbatore and Vellore. All the tents having been brought back in good and serviceable condition, their value,

P.12

2795/8 whether they are kept or sold, will have to be credited to the work, and thus reduce the apparent excess expenditure.

6. Cost of feeding elephants. — It was supposed that two elephants only would be required, but four were actually found necessary; and even these had to relieved, when sick or sore, by others kindly lent by local chiefs & Zemindars, and by pack bullocks. This item includes not only the cost of feeding the elephants, but also the pay and batta of the Mahouts and other attendants. —

7. Hire of carts, pack bullocks & Coolies for Carriage of Camp equipage, tools, instruments, dhoolies, for clearing jungle &c. &c. — There was no provision for this in the Estimate, but the expenditure was unavoidable. — Carts were employed to carry the tents, stores &c. from Vizagapatam to Vizianagram (where the elephants joined), and partly to Parvatipuram (where the pack bullocks were engaged).

The pack bullocks had to be employed to help the elephants (which were only allowed to carry 500 lbs each) in carrying tents, camp furniture, stores, tools, rice for the elephants and Camp followers &c.

Coolies were required to carry the instruments for the day's work, to carry the sick in dhoolies, to act as guides, to clear the jungle where no paths were found, to help in pitching tents when the lascars were laid up, &c &c.

I may mention that the carriage of the tents, occupied by Mr Cosmoe and myself, and the carriage of our personal luggage are not included in this item; a due proportion for carriage on this account having been always paid for by ourselves.—

8.— Instruments and drawing materials Supplied from the P.W. Stores.—

These were not included in the original Estimate, and the item requires no explanation.

The articles have been returned to the P.W. Stores, and their value should be credited to the work; whereby the apparent excess expenditure will be reduced. I have written to the General Superintendent of P.W. Stores, to ascertain the amount to be credited under this head.—

2795/9

13

9. The item of Sundries requires no explanation.—

10. Police Guards.— The amount expended on this account was Rs 183. This has just been refunded by the Police Department, and the Estimate will therefore be reduced by that amount.

11. The reason why this Redistribution Statement is submitted so late is, that the Accounts of the Work could not be finally made up until last month, as there were still payments in arrears, on account of Establishment, to be disbursed, and book transactions to be adjusted.—

I have the honor to be,
Sir,
Your most obedient Servant.

Executive Engineer

No 765X
4 OCT 82

From
The Executive Engineer
Chota Nagpur Railway Survey

To, The Secretary to Govt.
P. W. Department.
Ootacamund

No 118/B

Dated 30th } September/82.
Recd. }

Enclosure (1)

Subject.

Redistribution Statement — Intimates of Charges in Connection with the late Reconnoissance

---

- Imperial ... Nagpur Railway Survey.
...parative ... Upper Subordinate) Estimate
Expenditure ...

Carts, pack bullocks and
carriage of Camp Equipage

2795/11

1811 5 5

---

(1) Establishment 24

Salaries

2795/10

Executive Engineer	7313 1 11		
Upper Subordinate	2647 6 8		
Petty Establishment	1552 9 6		
Office — Do	(a) 261 2 10		
Total Salaries		11774 4 11	
Travelling Allowances	(b) 2457 8 3	2457 8 3	
Contingencies	915 8 7	915 8 7	
			15147 5 9

2. Camp Equipage

2 Bengal Sleeping tents 12 x 12	222 " "	444 " "	
1 Hill Tent with bath room	330 " "	330 " "	
1 Double fly Bechoba with bath room	250 " "	250 " "	
1 Single fly Bechoba	135 " "	135 " "	
1 Rowty	95 " "	95 " "	
8 Cabul Tents	80 " "	640 " "	
1 Small Sholdari	55 " "	55 " "	
2 Camp Tents	60 " "	120 " "	
1 Necessary Tent	30 " "	30 " "	
2 French "Tentes de troupe" for the guard and stores	90 " "	180 " "	
			2279 " "
(3) Cost of feeding Elephants, including pay and batta of Mahouts	684 15 8	684 15 8	684 15 8

C. S. — 1811 5 5

(a) Rs 27-0-9 has still to be adjusted.
(b) Rs 267-9-4 — Do — Do — since adjusted.

EXAMINER ... ACCOUNTS
No 765X
8 OCT 80
Encl 1

From
The Exec

---

ned - Imperial Nagpur Railway Survey.
Comparative (approximate) Estimate
ture Expenditure

2795/11

1811 5 5

	(4) Hire of Carts, pack bullocks and coolies for carriage of Camp Equipage, tools, instruments, dhoolies, clearing jungle	Rs. 1225 2 "	1225 2 "	1225 2 "
	(5) Instruments and drawing materials Supplied from P.W. Stores, Madras			
2 2	Perambulators Europe	178 10 "		
3 3	50 feet Measuring Tapes	12 6 9		
1	Prismatic Compass with Stand	63 " "		
1	Pocket Compass	4 11 "		
9	Aneroid Barometers	428 15 3		
2	Standard Thermometers	51 " "		
1	Thermometer	8 7 "		
1	Mathematical Instrument box at Elliotts	60 4 10		
1	Parallel Ruler, brass rolling 18 inches	18 " "		
1	Set Marquois Scales box wood	4 8 "		
1	T Square 24"	2 3 "		
1	[illegible] tracing Quadrant with Stand	36 8 3		
1	Staff for Do	" 2 "		
2	Aneroid Barometers	95 5 2		
	Packing charges, boat hire, road tolls, Railway charges, Freight, and agency charged by P.W. Stores	24 12 7		
	Total Scientific Instruments		988 13 10	
	(6) Other items			
	Brass Badges supplied by P.W. Stores	" "	20 " "	20 " "
	Sundry petty items such as poles, pegs, repairs and carriage of Camp Equipage, packing cases &c.		55 14 "	55 14 "

* this charge has yet to be adjusted

Total Rupees. 14939.

Bilaspur
D/ 30th September 1882.

"Fixed - Imperial. Capital Ordinary. - Branch - State Railways. - Divi

Comparative Statement shewing the difference between the Sanc
and the Expenditure actually incurred for the Reconnoissance of the Country
and Raipur in the Central Provinces - L.s.C. No 2294 W. - D/ 16th Sep

2775/12

No	Sanctioned (approximate) Estimate	Rate for each	Amount	Total
	(1) Establishment.			
	Pay and Travelling allowance of Mr. K. F. Nordmann Executive Engineer with 50 per cent added for 6 months.		8650 "	
	Pay and Travelling allowance of Mr. Formae. Sub-Engineer with 50 per cent added for 6 months.		2960 " "	
	Petty Establishment at Rs 150 for 6 months		900 " "	
	Mr. Nordmann's preliminary Travelling Expenses.		229 " "	
				12739 "
	(2) Camp Equipage.			
2	Double fly Sholdaries weighing with pegs about 160 lbs each	200 "	400 "	
2	Bell Tents — Do — Do	200 "	400 "	
8	Double fly Pauls weighing 80 lbs each	100 "	800 "	
2	Small Sepoy's tents.	50 "	100 "	
2	— Do — for the Revenue Subordinate and his Servant	50 "	100 "	
2	Necessary Tents	50 "	100 "	
				1900 "
	(3) Cost of feeding Elephants at Rs 50 per Mensem		300 "	300 "
	c. o. Total Rupees			14939 "

No | Actual Expen

(7) Police Esc

(8) Sundries. -

Sanct

* Since upon
of Police, Viz

A. No 2294 & / 2295 & 16-9-82.
B " 1621 & - 17-6-82.
B " 399 & - 14-2-"
" " 750 & - 21-3-"
" " 846 & - 31-3-82.
A " 1278 & / 1279 & - 22-5-"
" " 1575 & - 21-6-"
1670 & - 3-7-82
Endorsement No 765 X

dated 16th October 1882.

2795/14 P.W.C. No 7090

P 5-

Forwarded to the Secretary to Government P. W. Department with the remark that the items of Rs 267-9-4 and Rs 3-5-6 alluded to by foot notes in the Comparative statement have since been adjusted.

16/10/82

The General Superintendent P. W. Stores has already been instructed to afford credit to the Chota Nagpore Railway Survey Division for such articles as are taken back to the Stores Division, as also for the proceeds realized by the sale of the rest.

J. E. Goatley

For Examiner P.W. Accts
Madras.

[illegible] 30-10
[illegible] 10/10 rcly 20/10 Re 25/10 [illegible]

No 2795 W PG Genl Acct

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT,

UNDER date the 25th October /82

Read the following :—

2795/15

From
The Ex. Engineer late on
Special duty
Vizagapatam Raipur
Ry. Survey
thro' the Ex. PW accounts } Lr No $\frac{118}{15}$ d/30th Septr /82.

The redistribution statement of expenditure amounting to Rs 20,410, on the Chota Nagpur Railway Survey, is sanctioned.

2. The amount will be further reduced by credits appended on account of articles sold and returned to the Public Works Stores.

3. Ordered that a copy of these Proceedings

be forwarded to the Govt of India for information.

H.C. No 2796 d/ 25 October 82

Forwarded

26-10-82

Cy

Despatch
P.S.C.
1/11/82

52/5

Despd
1/11/82

To H. F. Nordmann Esqre
Secy of P.W. Dept with
Consg Engr for Rys.

Dd

wly 20/10 Re 25/10

2795/16

27.1-31 B III

7090

Govt. of (1882) Madras.

PUBLIC WORKS.

20/10

Dated

Recd.

Encl.

G. O. 25th Octr 1882, No. 2795 W
2796 W

Nos. 1766/78

Chota Nagpur Ry: Survey.

The redistribution statement of expenditure amtg to Rs 20410 on the — sanctioned with remarks.

Chota Nagpur Ry: Survey

Forwg: Copy of Procg: sanctioning the redistribution statement of expenditure amtg to Rs 20410 on the —

Entd in Receipt Regr.

25/10

1

Ind 26/10