M.R.O. 1—77,006—8-6-37.

(1) Number of pages 32

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 167-168 (Ly) Press ~~Mis.~~

Dated 19 1 1877.

Not to be folded or roughly handled

No. 326. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 11th January 1877, No. 19 :—

I HAVE the honor to submit, in duplicate, the Budget estimates of the South Indian Railway for the year 1877-78. The accompanying note is also in duplicate, with a view to one copy being forwarded to the Government of India.

2. The delay which has occurred in the submission of these estimates is due to late receipt in this office and to their having afterwards to be entirely recast so as to bring the total figures more into accord with the probable transactions with the treasury.

No. 327. ORDER THEREON, 19th January 1877, No. 167.

RAILWAY, No. 23.

REGULAR AND BUDGET ESTIMATES OF THE SOUTH INDIAN RAILWAY.

Capital.

The Regular estimate for the current year is accepted for Rupees 30,13,493, which differs very little from the Budget estimate. The Budget estimate for 1877-78 has been prepared for a sum of Rupees 34,32,099; but the Consulting Engineer has recommended various reductions, bringing down the probable expenditure of next year to Rupees 28,00,528, at which figure it will be allowed to stand.

2. The following statement shows the figures accepted for 1877-78 as compared with the Regular and Budget estimates of the current year and the actuals for 1875-76 :—

	Actuals for 1875-76.	Budget Estimate for 1876-77.	Regular Estimate for 1876-77.	Budget Estimate for 1877-78.
	Rs.	Rs.	Rs.	Rs.
Outlay	30,34,616	30,00,000	30,13,493	28,00,528
Refunds	5,26,804	4,00,000	4,60,000	5,80,000
Net Receipts ...	25,07,812	26,00,000	25,53,493	22,20,528

Revenue.

3. The Consulting Engineer's Regular estimate of receipts is slightly in excess of that put forward by the Company. There seems no reason why the larger figure, Rupees 20,75,000, should not be reached. The Regular estimate of expenditure is abnormally high. But exceptional causes have tended to make it so, the circumstances of which have been before Government during the year. The figure at which the gross earnings for 1877-78 is estimated by the Consulting Engineer is preferred to the lower estimate framed by the Railway Authorities. Development of the traffic within

Proceedings of the Madras Government, Public Works Department,
19th January 1877. *No.* 168.

the reasonable limits assigned by Colonel Shaw-Stewart may well be looked for. The estimate of working expenses for next year will remain unaltered.

(True Extract.)

(Signed) J. H. M. SHAW-STEWART, Lieut.-Colonel, R.E.,
Joint Secretary to Government.

No. 328. (Docket, No. 168, dated 19th January 1877.)

Copy of the above forwarded to the Government of India.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

Railway Department. Consulting Engineer's Office,

Madras 19th January 1877.

No. 19

From

Lieut.-Colonel J. H. M. SHAW-STEWART, R.E.,
Consulting Engineer for Railways,

To

Major-General G. W. WALKER, R.E.,
Secretary to Government,
Public Works Department,
Fort Saint George.

Sir,

I have the honour to submit, in duplicate, the Budget estimates of the South Indian Railway for the year 1877-78. The accompanying Note is also in duplicate, with a view to one copy being forwarded to the Government of India.

2. The delay which has occurred in the submission of these estimates is due

to

to late receipt in this office, and to their having afterwards to be entirely recast so as to bring the total figures more into accord with the probable transactions with the Treasury

I have the honour to be
Sir
Your most obedient servant
Macintosh

Lieut. Col. R.E.

Consulting Engineer for Railways.

GD 29-1-76 No 251.
" 16-12-76 " 3448.

P.W.D.
16 JAN 77
No. 369

No 326.

Cin 17-1-77

RAILWAY DEPARTMENT.

From

The Consulting Engineer
for Railways,

To

The Secretary to Government,
P. W. Department,
Fort Saint George.

Dated 11 January 1877
Received
Ladon 24 No. 19
No 12

Submits in duplicate the Budget estimate of the S. I. Ry. for the year 1877-78 accompanied with note in duplicate.

South Indian Railway.

Schedule E

Budget Estimate of Expenditure on Stores during 1877-78.

Details.	Actual purchase 1875-76.		Purchase during 1876-77.		Purchase during 1877-78.		Remarks.
	Quantity.	Amount.	Quantity.	Amount.	Quantity.	Amount.	
In India.	Tons.	Rs.	Tons.	Rs.	Tons.	Rs.	
Timber	1,304.	1,45,421.	2,000.	2,00,000.	1,500.	1,50,000.	
Coal	2,690.	45,761.	3,000.	50,000.	3,000.	50,000.	
Firewood	3,373.	20,533.	2,000.	20,000.	5,000.	30,000.	
Stationery		16,627.		8,000.		20,000.	
Boat-hire, freight, Duty on English Stores		2,31,856.		1,22,000.		1,00,000.	
Miscellaneous		4,30,223.		3,00,000.		3,00,000.	
Total.		8,90,421.		7,00,000		6,50,000.	
In England.							Not in possession of this information.

Memorandum.

Actual balance of Stores on 1st April 1876	50, 06, 224.	See above remark.
Estimated purchases during 1876-77 as above	7, 00, 000.	
Total.	57, 06, 224.	
Estimated issues during 1876-77		
Do. balance on 1st April 1877		
Do. purchases during 1877-78 as above	6, 50, 000.	
Estimated issues during 1877-78		
Do. balances on 1st April 1878		

Negapatam.
Agent's Office,
21st December 1876.

[signature]

[signature]
Agent.

Stores

Schedule F

P.W.D.
16JAN77
No. 360
1

South Indian Railway

Schedule F

Estimate of Traffic Receipts of the South Indian Railway for 1877-78

Number of miles open for traffic on 1st April 1876	398
Expected to be opened during 1876-77	172
Total on 1st April 1877	570
Expected to be opened during 1877-78	47
Total likely to be opened at end of 1877-78	617
Average number of miles expected to be opened during the whole of 1877-78	582

	Actuals 1876-76	Sanctioned Budget estimate 1876-77	Regular Budget estimate 1876-77	Estimate 1877-78
Coaching traffic	6,93,079	12,00,000	12,50,000	15,00,000
Goods traffic	5,32,140	8,20,000	7,00,000	9,60,000
Electric Telegraph earnings	12,795	12,000	13,000	15,000
Sundries	52,770	18,000	24,000	25,000
	12,95,734	20,50,000	19,87,000	25,00,000

Negapatam
21st December 1876

Williams Bell
Agent

Revenue Account.

Schedule F.

P.W.D.
16JAN77
No. 369
10

South Indian Railway

Schedule G.

Estimate of Revenue Expenditure on the South Indian Railway for the Official year 1877-78.

	Actuals in 1875-76	Sanctioned Budget Estimate 1876-77	Regular Estimate 1876-77	Budget Estimate 1877-78
	Rs.	Rs.	Rs.	Rs.
Maintenance of Way, Works & Stations	81,751	121,000	115,675	251,390
General Superintendence	23,304	24,860	24,408	43,695
Maintenance and Renewals of Permanent Way	51,156	72,040	63,483	152,760
Repairs of Bridges &c.	2,271	14,070	14,156	36,238
Repairs of Stations and Buildings	2,895	8,530	8,325	16,302
Maintenance by Contract new mining works				
Unclassified Expenditure	1,625	1,600	2,303	5,395
Locomotive Expenses.	259,138	1,111,800	526,860	536,100
General Superintendence	33,710	74,000	45,784	66,600
Running Expenses	51,722	118,100	74,050	100,000
Fuel	135,548	202,000	183,142	288,000
Water	4,330	4,300	5,329	8,000
Oil, Tallow and other Stores	6,501	7,500	8,297	12,800
Maintenance & renewals of Locos Engines & Machinery	27,327	36,800	209,708	60,000
Payments to other Lines				
Unclassified Expenditure	"	100	550	700
Carriage and Wagon Expenses	30,618	117,500	121,666	65,336
General Superintendence	4,370	13,100	5,910	7,400
Repairs & renewals of vehicles & machinery	17,166	24,800	164,950	42,000
Cleaning Carriages & wagons & oiling	7,916	9,000	10,606	15,336
Unclassified Expenditure	1,196	600	200	600
Traffic Expenses	98,541	205,500	166,300	231,174
Salaries, Wages &c	73,977	158,440	125,400	183,674
Fuel, Lighting, Water, and General Stores	6,534	16,860	12,000	16,000
Clothing	1,293	4,000	5,000	5,500
Printing Stationery and Tickets	10,526	26,500	18,000	19,000
Charges for delivery & collection of Goods				
Miscellaneous Expenses	767	1,700	1,200	1,500
Payments to other lines	5,944	6,000	4,700	5,000
Unclassified Expenditure	"	"	"	500

Revenue Account.

Schedule F.

P.W.D.
16JAN77
No. 369
10

South Indian Railway

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Fuel, Lighting, Water, and General Stores	6,534	16,860	12,000	16,000
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Payments to other lines	5,944	6,000	4,700	5,000
Unclassified Expenditure	"	"	"	500

P.W.D.
16JAN77
No. 369
7

Unclassified expenditure				500
General Charges	76,858	104,100	94,580	121,000
Home expenditure	11,493	20,000	18,000	25,000
Salaries of Indian Management Police	40,668	49,300	52,680	60,000
Advertising	609	1,000	1,000	1,000
Electric Telegraph	10,441	33,300	20,300	32,000
Clearing accounts with other lines				
Unclassified Expenditure	13,647	500	2,600	3,000
Special and Miscellaneous Expenditure	27,105	30,000	30,000	30,000
Law Charges	25	500	500	500
Compensation	431	500	500	500
Rates and Taxes	2,169	5,000	5,000	5,000
Mileage of Foreign Stock	24,480	24,000	24,000	24,000
Payments to other lines				
	573,591			
Deduct value of Stores returned to Stock	5,637			
	567,954	9,50,000	11,12,081	12,38,000

William S Bell

Agent

Revenue Account.

Schedule G

P.W.D.
16JAN77
No. 369
II

Note on the South Indian Railway estimates for 1876-77 and 1877-78

Advances on Capital Account.

Regular Estimate 1876-77—The figures entered for the Regular Estimate differ but little from the sanctioned Budget, and may, it is thought, be accepted. The estimate now submitted was framed after the probable requirements had been discussed with the Railway Authorities

Budget Estimate 1877-78—Seeing that construction works are drawing to a close, and that only 47 miles of the Northern Extension will remain to be opened on 1st April next, it is thought

thought that the probable expenditure has been overestimated. It may also be said that expenditure on construction depends in great measure on the number of Engineers employed; and as considerable reductions are being made in the staff, it is thought that the total expenditure for the year may be reduced to Rs 28,00,000.

Engineering Department. Schedule A

The following reductions are recommended:-

		Rs
1	Earthwork to be reduced by	50,000
2	Minor bridges " "	20,000
3	Large bridges " "	60,000
5	Level crossings " "	30,000
	Ballasting " "	50,000
	Permanent Way " "	40,000
	Stations and Buildings " "	1,00,000
	Total Rs	3,50,000

This will leave for sanctioned works Rs 13,22,683.

Engineering Department. Schedule B

Under the head "Southern Extension" have been included all works entered in the schedule of future requirements, and although these may be eventually undertaken, it is thought that a considerable number may well be postponed until the goods traffic has further developed. It is proposed to strike out the salt godowns at all stations except Manarparai, Amayanaikanur, Madura, Tirumangalum, Sattur, , and Tinnevelly. This ie a reduction of Rs 84,812.

If

It has also been decided to postpone the accommodation for travellers at Trichinopoly, which is not at present considered necessary. The total reduction will therefore be Rs 91,240, and the amount remaining for the Southern Extension Rs 1,51,298.

For the Madras-Tanjore section no reduction is proposed. The increased accommodation at Madras is for the Locomotive Department, which is not at present in a position to carry out the work which will be necessary at this end of the system.

Under "line opened for traffic more than 2 years," it is thought

thought that the conversion of gauge between Trichinopoly and Erode may for the present be omitted. As regards the additional works at Negapatam, it seems improbable that they will all be completed during the ensuing year; and it is recommended that the amount entered (Rs 64,292) be reduced to Rs 30,000. The amount for this section will then stand at Rs 30,043, and the total for unsanctioned works at Rs 2,38,984.

In the Locomotive Department provision is made under Schedule B for an increase to the ...ing stock, which will it is thought

thought be required as the traffic increases. The amount entered may therefore be allowed to stand.

Under the other heads no remarks appear necessary, and no alteration is recommended.

The estimates as modified by this office will be as follows:-

	Regular Estimate 1876-77	Budget Estimate 1877-78
Engineering		
Sanctioned Works	17,43,313	13,22,683
Unsanctioned Works	-	2,38,984
Locomotive		
Sanctioned Works	71,190	36,210
Unsanctioned Works	10,000	94,451
Establishments	4,88,990	4,58,200
Stores	7,00,000	6,50,000
Total	30,13,493	28,00,528
Receipts	4,60,000	5,80,000
Net Cash Demands	25,53,493	22,20,528

Revenue Account

Regular Estimate 1876-77 — The figures now submitted compare as follows with the sanctioned Budget:-

	Budget Estimate.	Regular Estimate
Receipts	20,50,000	19,87,000
Expenditure	9,50,000	11,12,081
Profits.	11,00,000	8,74,919

The receipts up to the week ending 9th December amounted approximately to Rs 13,95,000; and, considering the extra length opened for traffic, it is thought that for the remaining 16 weeks of the official year the earnings may be taken at Rs 42,500 per week, or Rs 6,80,000 in all. This would bring the total to

to ₹ 20,75,000, which is considered a safe estimate. The working expenses have been increased by the amounts debited to Revenue on account of loss on rolling-stock, and the provision for repairs to locomotives which have been allowed to fall into bad order in view of the conversion of gauge. The working expenses may it is thought be taken at ₹ 11,00,000. Budget Estimate 1877-78. The gross earnings are entered at ₹ 25,00,000; but, considering the development of traffic which may reasonably be expected on the newly opened sections, it is thought that

that the receipts should work up to ₹ 50,000 per week, or ₹ 26,00,000 for the year. The figures entered under working expenses will probably be found good approximations. There will be an increase under maintenance, owing to a portion of the new lines having become debitable to the Revenue Account, and the increased provision under "Locomotive" and "Traffic" is due to the greater average mileage which will be worked during the year.

The figures, as modified by this office and recommended

recommended for adoption, are as follows :-

	Regular Estimate 1876-77	Budget Estimate 1877-78.
Receipts		
Administrative	26,75,000	26,00,000
Suspense	1,50,000	1,50,000
Financial	22,25,000	27,50,000
Withdrawals		
Administrative	11,00,000	12,38,000
Suspence	1,50,000	1,50,000
Financial	12,50,000	13,88,000
Net Receipts		
Administrative	9,75,000	13,62,000
Suspense	–	–
Financial	9,75,000	13,62,000

Madras
11th January
1877.

N. Macdonald
Lt-Col. R.E.
Cons: Engineer for Railways

P.W.D.
16 JAN 77
No. 369

P.W. Pros. 19th Jany 1877.
In No. 336.

E. 112

20-1-77

3

Public Works Department.

No. 169

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 19 Jany 77
Read the following:—

The Cong Engineer for Rep. (H.E. No. 19 of 11th Jany 77)

Regular and Budget Estimates of the South Indian Railway.

Capital

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Engineer has recommended various reductions, bringing down the probable expenditure of next year to Rs 28,00,528, at which figure it will be allowed to stand.

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figure at which the gross earnings for 1877-78 is estimated by the Consulting Engineer is preferred to the lower estimate framed by the Railway Authorities. Development of the traffic within the reasonable limits assigned by Colonel Shaw Stewart may well be looked for. The estimate of working expenses for next ye will remain unaltered.

H.E. No 168 dated 19 Jan 77

Copy of the above forwarded to the Government of India.

[illegible]

No [illegible] Cur 17-1-77.

30 5 copies of the Budget Disp'd to Govt of India — 14-2-77
Congdn 20 copies
Exn Ry Accts 6 — " —
Acctt Genl 3 — " —
Ms disp'd to Govt of India with 13 Enclos 19/1/77

C. E. for Rys ✓
Exn Ry Accts ✓
Acctt General ✓ Dtd 12-2-77

369

Govt. of 1877 Madras.

PUBLIC WORKS.

To The Cons^g Engr. for Ws.

Dated

Issued

Recd. Encl.

G. O., 19th Jany 1877, No. 167 / 168

Nos. 326 & 327-8

Regular and Budget Estimates of the S. I. Rly for 1877-78 —

The — reviewed

—

Forwarding copy of Proceedings reviewing the Regular and Budget Estimates of the S. I. Rly for 1877-78.

Sent in Regd.

Secy. General - Dtd - 12-2-77