Read the following Reports from Colonel C. E. FABER, Chief Engineer; to H. FORBES, Esq., Acting Secretary to Government, dated 6th December 1856, No. 8662.

No. 16. Report Q, on an estimate prepared by the Civil Engineer of the Kistnah Division, for constructing the high Northern road. Trunk road No. 6, from Guntoor to Inkole a distance of 42 miles.

Amount of estimate Rupees (1,32,800) one lac, thirty-two thousand and eight hundred as follows:—

	Rs.
Earthwork...	23,007
Gravelling	67,638
Spreading levelling and ramming	9,209
Masonry Works.	
7 Tunnels each of 1 vent of 1 yard span	1,071
4 do. ,, do. ,, 2 do....	728
4 do. ,, do. ,, 3 do.	1,188
3 Bridges ,, of 1 arch of 12 feet do....	3,336
3 do. do. 3 do. do.	5,253
1 do. of 2 arches do....	1,410
1 do. ,, 4 do. do.	2,100
1 do. ,, 3 do. of 30 feet do....	5,354
2 Road dams 50 yards in length	690
Superintendence and Sundries	11,816
Total Estimate.....	1,32,800

1. In the Budget list No. 2 of 1856-57, Item 65, an estimate of Rupees 24,990 was entered for changing the line of the high Northern road from Seetanagarum on the South bank of the Kistnah, to a point South of the Tadapully hill, and for repairs to Guntoor, a distance of 18 miles.

2. In consequence of the restriction on expenditure, the diversion of the line to avoid the necessity of crossing the Toongabuddra, is the only work that has yet been carried out, the outlay, having been Rupees 2,000.

3. The present estimate provides for the completion of the road South of Guntoor, portions of which were formerly made, and provided with a few tunnels and bridges, but the whole line is now stated by the Civil Engineer in his letter No. 87, dated 15th October 1856, to be in a most wretched state.

4. The road as now proposed to be constructed is to follow the present line for a distance of 17 miles, to where it strikes the projected Southern high level channel near Varagani, on the Western embankment of which it will be continued for the remaining distance of 25 miles, to the boundry of the Nellore and Guntoor Districts, near Inkole.

5. By carrying the road on this embankment no additional masonry works will be required for it, as the disposal of the drainage under the channel is provided for by numerous tunnels, and by aqueducts, having bridges attached to them.

6. The only portion of the road from the Presidency to Ellore in the Masulipatam District for which estimates are now required, is, that between the Moodegunda river North of Ongole, and Inkole, and to the necessity of preparing which, the early attention of the District Engineer of Nellore will be called.

7. From Inkole, Captain Orr observes that the road may be continued in a new direction to Vallumpully, to cross the Goondlacummah river, by a bridge already sanctioned* for Trunk road No. 7.

* Vide Extract Minutes Consultation, No. 1405, 12th August 1856.

8. The rates allowed in the estimate which is supported by the countersignature of the Collector now submitted, are moderate and sufficient, and the Chief Engineer recommends it for entry in the Budget of 1857-58. Although it is open unavoidably to the objections urged by Lieutenant Colonel Baker in para. 19 et seq of his despatch No. 3173, of 11th July last, communicated in Extract from the Minutes of Consultation No. 1405, dated 12th August 1856.

No. 17. Report R, on an estimate prepared by the Civil Engineer of the Krishnah Division for constructing the high Northern road. Trunk road No. 6 from Bezoarah to Ellore a distance of 40 miles.

Amount of Estimate Rupees (1,06,800) one lac, six thousand, and eight hundred, as follows.

	Rs.
Earthwork.	20,884
Metalling.	25,486
Gravelling.	33,063
Removing Rock.	109
Spreading levelling and Ramming.	9,090
Masonry Works.	
1 Tunnel of 1 Vent of 9 feet span.	297
1 Do. do. 3 do. ...	152
1 Bridge of 1 Arch of 40 feet do....	6,900
1 do. 1 do. 12 do. ...	1,111
Superintendence and Sundries. ...	9,708
Total Rupees.....	1,06,800

1. The estimate provides for the thorough construction of the road from Bezoarah to Ellore within the limits of the Krishnah Division.

2. The Civil Engineer observes, in para. 3 of his letter, No. 87, dated 15th October 1856, that some 12 miles of the road from Bezoarah were made many years ago by the Corps of Pioneers but never having been kept in repair, they now require to be entirely re-constructed.

3. The line as now proposed, is to follow the old road for about the first 11 miles, to a point where it will be crossed by the projected Ellore High level channel, on the Eastern embankment of which, it will be continued for the remaining distance of 29 miles.

4. This embankment, which is to be made very massive to retain the water above the level of the country, will merely require to be widened to 8 yards of top surface, and metalled, to form a first class road, and as it crosses all the drainage of the country, no additional masonry works will be required expressly for the road.

5. The aqueduct for conveying the channel across the two branches of the Toomoolair, have been planned to answer for Viaducts as well, and as in any case from the low nature of the ground the road must have been considerably raised, the embankment offers great facility for its construction.

6. The road being by the side of a navigable Canal it can, as observed by the Civil Engineer, be easily and cheaply metalled, both in first construction, and as may be subsequently necessary for its maintenance.

7. The masonry works entered in the estimate are exclusively for the first 11 miles from Bezoarah, the only large one being a bridge of one arch of 40 feet span for the Boodoomair river.

8. The rates allowed in the estimate which is supported by the countersignature of the Collector are moderate and sufficient and the Chief Engineer recommends it for entry in the Budget of 1857-58.

No. 18. ORDER THEREON, No. 1412; dated 23rd July 1857.

With the first of the above reports the Chief Engineer forwards an estimate amounting to Rupees 1,06,800 for constructing the portion of Trunk road No. 6, from Bezoarah to Ellore, or as appears from the sketch to a place called Dendaloor, north of the Kistnah, a distance of forty miles; and the estimate of Rupees 1,32,800 forwarded with the second report provides for the line in the Guntoor District, south of that river, viz., from Guntoor to Inkole; both roads being within the limits of the Kistnah Division.

2. In respect to the Project for the road in the Masulipatam District, it is stated that only about twelve miles from Bezoarah northwards were many years ago formed by the Corps of Pioneers, but that the work had been allowed to fall into dis-repair. The road, as now proposed, is to follow the old line for about eleven miles to a point where it will be crossed by the Ellore high level channel near Casarapully from whence it is to be continued for the remaining twenty-nine miles on the eastern embankment of the channel. The advantages offered by this embankment are fully explained by the District Engineer in para. 3 of his letter of the 15th October 1856, and the masonry works, required exclusively for the road, are confined to the first eleven miles for which the old line is to be followed; the embankment rendering a similar provision for the remaining distance unnecessary.

3. As regards the road in the Guntoor District, it is observed that a sum of Rupees 24,990 was sanctioned on the 12th* December 1855, for changing the line of a portion of the Trunk road from Seetanagrum to a point south of the Tadapully hill, and for repairing the road throughout the whole distance to Guntoor. From the entries in the Budget of 1857-58, it is seen that Rupees 2,000 had been spent upon the work up to November last, and that a sum of Rupees 10,000 was proposed for outlay during the current official year, leaving the balance to be worked out in 1858-59. The present estimate provides for continuing the line from Guntoor to Inkole, a distance of forty-two miles. The District Engineer observes that the road, though "bearing a great traffic, is in a most wretched "state, notwithstanding that portions of it have here and there at one time or another, been "partially made, and a few tunnels and bridges erected." He proposes in constructing the road, to take it on the present line for seventeen miles to near Varagani, and from thence, as in the case of the road in the Masulipatam District referred to above, to carry the line upon the western embankment of the projected southern high level channel, up to the boundary of the Guntoor and Nellore Districts near Inkole, fifteen tunnels, nine bridges, and two road Dams are proposed to be built on the portion between Guntoor and Varagani, and the District Engineer observes that similar works for the remaining distance where the road is to be transferred to the bank of the Channel, are rendered unnecessary, in consequence of the disposal of the drainage being provided for by numerous tunnels, and by aqueducts having bridges attached to them.

* Ex. Min. Con. No. 893.

4. The Government fully recognize the importance of completing the great Northern road, and approve of the two projects; which will be entered in the Budget of 1858-59, for the orders of the Government of India.

5. In the Abstract estimate forwarded with the Report Q, the project is described as "repairing the road from Guntoor to Inkole near Varagani," and in the purport on the back of that paper as "repairing the high Northern road Trunk road No. 6 from Guntoor to Varagani." The description in both places is erroneous. In the first place the proposed work is not one of repair but of construction, in the second place the portion to be constructed does not stop at Varagani, but extends to the boundary of the Guntoor and Nellore Districts near Inkole; and in the third place, Inkole is not near Varagani, but at a considerable distance from it, as shewn by the sketch forwarded with the Report R. While the work is correctly described in the Report itself, (though here also Trikole is entered instead of Inkole) the errors above pointed out should not have been committed in such an important document as the estimate which the Chief Engineer must be fully aware, will eventually have to be laid before the Government of India.

6. Similar mistakes occur in the estimate marked R[1], for the road in the Masulipatam District. The work is there described as "repairing and altering the high Northern road between Bezoarah and Ellore," whereas it is stated in the report that the estimate provides for the

"thorough construction of the road," and again the sketch marked R 3 shews that the proposed road is not to terminate at Ellore but further up at a place called Dandalore.

7. The item for masonry works, is shewn in the two estimates by the mere entry of the total amount required; whereas each of the works ought to have been specified and an abstract of the measurements and other particulars given according to the form laid down in appendix E1, of the second Report of the Madras Public Works Commissioners, and referred to in No. V. of the Rules for the submission of estimates passed in Extract Minutes of Consultation of the 18th October 1855, No. 696.

8. The papers in question will therefore be returned to the Chief Engineer in view to revised estimates being prepared and submitted with reference to the above observations. It is hoped that Colonel Faber will by proper arrangements in his office, prevent the repetition of such mistakes in similar documents for the future.

(Signed) H. FORBES,
Acting Secretary to Government.

No 8662 5

Masulipatam District

Public Roads.

Report on an Estimate prepared by the Civil Engineer of the Kistnah Division for constructing the high Northern road Trunk Road No 6 from Bezorah to Ellore, a distance of 40 miles.

Amount of Estimate Rupees (166800...) One lakh sixty thousand and eight hundred as follows.-

Earthwork	Rs 20887	...
Metalling	25486	...
Gravelling	33063	...
Removing Rock	109	...
Spreading levelling & Ramming	9090	...
Masonry Works		
1 Tunnel of 1 Vent of 9ft Span	297	...
1 Do do 3 do	152	...
1 Bridge of 1 Arch of 40ft do	6900	...
1 do 1 do 12 do	1111	...
Superintendence and Sundries	9768	...
Total Rupees	166800	...

1.- The Estimate provides for the thorough construction of the road from Bezorah to Ellore, within the limits of the Kistnah Division.

2.- The Civil Engineer observes, in para 3 of his letter, No 87 dated 15th October 1836, that some 12 miles of the road from Bezorah were made many years ago by the Corps of Pioneers, but never having been kept in repair, they now require to be entirely reconstructed.-

3.- The line as now proposed, is to follow the

the old road for about the first 11 miles, to a point where it will be crossed by the projected Ellore high level channel, on the Eastern Embankment of which, it will be continued for the remaining distance of 29 miles.

4.- This Embankment which is to be made very massive to retain the water above the level of the country, will merely require to be widened to 8 yards of top surface, and metalled to form a first class road, and as it crosses all the drainage of the country, no additional masonry works will be required expressly for the road.-

5.- The Aqueduct for conveying the Channel across the two branches of the Tsoondair have been planned to answer for viaducts as well, and as in any case, from the low nature of the ground, the road must have been considerably raised, the Embankment offers great facility for its construction.

6.- The road being by the side of a Navigable Canal, it can, as observed by the Chief Engineer, be easily and cheaply metalled, both in first construction, and as may be subsequently necessary for its maintenance.-

7.- The Masonry works entered in the Estimate are exclusively for the first 11 miles from Bezorah, the only large one being a bridge of one arch of 40 feet span, for the Boodoomair river.-

8.- The rates allowed in the Estimate, which is supported by the Counter signatures

of the Collector, are moderate and sufficient, and the Chief Engineer recommends it for entry in the Budget of 1857/58.-

Central Office of R.W.
Fort Saint George
6th December 1856.

Lt. Colonel
Chief Engineer

To The Secretary to Government
R.W. Department

List of Enclosures

1 Letter from the Supt Engineer Trichinopoly Dist. dated 5th Oct. 1856. No 87.- Vide Letter A 1
1 Abstract Estimate - - - - - - - - - - - - - - - R 1
1 Plan - R 2
1 Sketch - R 3.

7

Public Works 3rd Dept
Dr to Cons 28th July
No 2778

R

From the Chief Engineer
to the Secretary to Government
P.W. Department

Dated 6th
Rd 9th

December 1886

3 Encls
Returned.

No 1412. 23rd July
Fo 8662.

No 17.

27th April 88 Thmy 13th July 88

(X)
Rewards for entry on the Budget of 1887/88 an Estimate of Rupees 106,200 for constructing the high Northern Road from Bezwarah to Ellore a distance of 40 miles within the limits of the Kistna Division in the Masulipatam District &c.

Public. [roads] [New Work]

Abstract of Estimate No of 185 .5

Road No

District. Masulipatam

Work. Repairing and altering the High Northern Road between Bezwarah and Ellore in the limits of the Kistna Division.—

Quantities	Description of Work	Rate			Amount	Amount for each part
		Rs	as	P.	Rupees	Rupees
6, Yds.	Bezwarah					
31771	Earthwork ₰ Yd.	"	"	9	1489	
3456	Metalling ₰ Do	1	"	"	3456	
5599½	Gravelling ₰ Do	"	10	"	3500	
2386½	Do ₰ Do	"	3	"	447	
3600	Do ₰ Do	"	5	"	1125	
8854½	Do ₰ Do	"	8	"	4427	
7776	Do ₰ Do	"	14	"	6804	
217	Removing Rocks ₰ Do	"	8	"	109	
	Levelling				2379	
	Masonry work				8460	
	Sundries				4	
						32,200
	Noona Mullum.					
234984	Earthwork ₰ Yd.	"	"	9	11015	
44059½	Metalling ₰ Do	"	8	"	22030	
	Levelling				3918	
	Sundries				7	36970
	Carried Over					69170

Quantities	Description of Work	Rate Rs	As	P	Amount	Amount for each part
C. Yds.					Rupees	Rupees
	Brought forward					69170
	Ellore					
178776	Earthwork ——— per C.Yd.	"	"	9	5380	
33520½	Gravelling ——— per Q.	"	8	"	1676	
	Levelling				2793	
	Sundries				7	
						27940
	Superintendence & Contingencies					9690
	Total Company's Rupees					106800

Central Office of D. F. W.
Fort St. George
6th December 1856

Chief Engineer D. F. W.

R 1

Enclosure
Irwg Report

From
The Chief Engineer
D. P. W.

To
The Secretary to Govt.
D. P. W.

Dated 6th December 1856
Received

P. W. 2778/56

No.

Abstract Estimate for Repairing and Altering the High Northern Road between Berzwarah and Ellore in the limit of the Nellitrah Division in the District of Masulipatam.-
Amounting to Rs. 106800-0-0

Public [roads] [New Work]
Abstract of Estimate No. of 185 .5
Road No.
District Guntoor.
Work. Repairing the Road from Guntoor to Lukole near Verapa

Quantities	Description of Work.	Rate Rs.	a.	P.	Amount Rupees	Amount for each part Rupees
C. Yds	**Guntoor**					
25640	Earthwork Exp.	"	"	9	1202	
19014	Gravel "	"	10	"	11883	
	Masonry Works				8708	
	Spreading levelling & Rammning				1797	
						23590
	Partipand					
141681	Earthwork Exp.	"	"	9½	7184	
36572	Gravel "	"	10	"	22857	
	Masonry Works				12422	
	Spreading, levelling & rammnig				3048	
						45511
	Martoor					
280728	Earthwork Exp.	"	"	10	14621	
52636	Gravel "	"	10	"	32898	
	Spreading, levelling & rammnig				4364	
						51883
	Superintendence, Sundries & Contingencies					11816
	Total Co.s Rupees					132800

Central Office of P.W.
Fort St. George
6th December 1856.

Approved Colonel
Chief Engineer D.P.W.

Quantities	Description of Work	Rate			Amount	Amount for each part
C. Yds.		Rs	As	P.	Rupees	Rupees

Enclosure
Sea Report
From
The Chief Engineer
D.P.W.

To
The Secretary to Govt.
D.P.W.

Dated 6th December 1856
Received
P.W. 2777/56
No 8662

Abstract Estimate for Repairing the Bejk Northern Road Trunk Road No 6 from Kuntoor to Varagam including the Construction of tunnels Bridges &c in the Kuntoor District Amt Rs 1,32,800-

Guntoor Distt.

Public Road

No 8662.

Report on an Estimate prepared by the Civil Engineer of the Kistnah Division for constructing the high Northern road - Trunk Road No 6 - from Guntoor to Trikole a distance of 12 miles -

Amount of Estimate Rupees (132800) One Lakh, thirty two thousand and eight hundred as follows -

Earthwork	Rs	23007 - - -
Gravelling		67138 - - -
Spreading, levelling & Ramming		9209 - - -
Masonry Works		
7 Tunnels each of 1 Vent of 12½ Span		1071 - - -
1 — do — — do — — 2 — do —		728 - - -
1 — do — — do — — 3 — do —		1188 - - -
3 ½ Bridges ea of 1 Arch of 12½ do		3336 - - -
3 — do — do — 3 — do — do —		5253 - - -
1 — do — of 2 Arches do —		1410 - - -
1 — do — — 4 — do — do —		2100 - - -
1 — do — — 3 — do of 35 ft do -		5354 - - -
2 Road dams 50 feet in length		690 - - -
Superintendence and Sundries		11876 - - -
Total Estimate	Rs	132800 - - -

1. In the Budget List No 20 of 1856/57 item 65 an Estimate of Rupees 24990 - - - was entered for changing the line of the high northern road from Seetanagarum on the South bank of the Kistnah, to a Point South of the Sadaphully hill, and for repairs at Guntoor: a distance of 18 Miles -

2. In consequence of the restrictions on

on expenditure. The division of the line toward the necessity of crossing the Tongabudabra, is the only work that has yet been carried out. the outlay having been Rupees 2000.-.-.

3.- The present Estimate provides for the completion of the road South of Guntoor, portions of which were formerly made, and provided with a few tunnels and bridges, but the whole line is now stated by the Civil Engineer in his letter No 87 dated 15 October 1856. to be in a most wretched state.-

4.- The road as now proposed to be constructed is to follow the present line for a distance of 17 miles, to where it strikes the projected Southern high level Channel near Naragani, on the western Embankment of which it will be continued for the remaining distance of 25 miles, to the boundary of the Nellore and Guntoor Districts, near Inkole.-

5.- By carrying the road on this Embankment no additional Masonry works will be required for it, as the disposal of the drainage under the Channel is provided for by numerous tunnels, and by Aqueducts having Bridges attached to them.-

6.- The only portion of the road from the Presidency to Ellore in the Masulipatam District for which Estimates are now required, is that between the Moodegunderu river North of Ongole, and Inkole, and to the necessity of preparing which, the early attention of the District Engineer of Nellore will be called.-

7.- From Inkole, Captain Orr observes that the road may be continued in a new direction to Vallumpully, to cross the Goondlacummah river, by a Bridge already sanctioned for Trunk Road No 7.-

"Vide Extract Cons" No 1405. 12 Aug 56

8.- The rates allowed in the Estimate which is supported by the countersignature of the Collector now submitted, are moderate and sufficient, and the Chief Engineer recommends it for entry in the Budget of 1857/58. Although it is open unavoidably to the objections urged by Lieutenant Colonel Butler in para 19. et seq. of his despatch No 3173 of 11th July last.- Communicated vide Extract from the Minutes of Govt. No 1405- dated 12 Aug 1856

Central Office of R.W.
Fort St George
6th December 1856

(Signed) R. Baker Lieutenant Colonel
Chief Engineer

To The Secretary to Government
R.W. Department.

List of Enclosures
1 Letter from the Supt Engr Kistna Dr
dated 15th Octr 1856 No 87.- A1
1 Abstract Estimate - - - - - A2.
1 Plan - - - - - - - - - A3.

Cons 12th Augt 1856 No 87 Cga
" 28th " " " 9.
18 Decr 1855 " 3.4.

Public Works 1856 Deptt
D° to Cons 28th July.
No 2777

From the Chief Engineer
To the Secretary to Government
R.to Department

Dated 6th December 1886
Rd " 9th "

3 Enclosures
Returned.

No 1412. 23rd July

No 8662.

No 16

Towards forming in the Budget of 1857/58 an Estimate of Rs 132,800. for constructing the high Northern road. Trunk Road No 6. from Gunloor to Inkole, a distance of 42 miles within the limits of the Nasik & Division in the Gunloor District.

c27 Copied 12th Mem C 13 July 1858

21 P.W.D.

No 1412.

Extract from the Minutes of Consultation
Under date the 23rd July, 1857.

Read the following
Reports from the Chief-Engineer

Here enter 6th December 1856, No 8662 Q&R

With the finish of
the above Reports the
Chief Engr forwards an
Estimate amounting to Rs
106,800 for constructing
the portion of Trunk Road
No 6 from Bezonah to
Ellore, or as appears from
the Sketch to a place
called Dendaloor, north
of the Ristnah, a distance
of forty miles, and the
Estimate of Rs 132,800
forwarded with the

Second

second Report provides for the line in the Guntoor District, south of that river, viz from Guntoor to Nukole; both ponds being within the limits of the Kistnah Division.

2 In respect to the Project for the road in the Bunderpatam District, it is stated that only about twelve miles from Bezoarah northwards were many years ago formed by the Corps of Sappers, but that the work had been allowed to fall into disrepair. The road, as now proposed is to follow the old line for about ~~the first~~ eleven miles to a point where it will be crossed by the Ellore high level Channel near Kasapuddy from Cocanada it is to be continued for the remaining twenty nine miles on the eastern embankment

embankment of the Channel. The advantages offered by this embankment are fully explained by the District Engineer in para 3 of his letter of the 5th October 1856, and the masonry works required exclusively for the road, are confined to the first eleven miles for which the old line is to be followed; the embankment rendering a similar provision for the remaining distance unnecessary.

3. As regards the road in the Guntoor District, it is observed that a sum of Rs. 24,000 was sanctioned on the 12th December 1855 for changing the line of a portion of the Trunk Road from Seetanagrum to a point south of the Tadapully hill

x Ellore No 893

hill, and for repairing the road through the whole distance to Gunloor. From the entries in the Budget of 1857-58, it is seen that Rs. 2000 had been spent upon the work up to November last, and that a sum of Rs. 10,000 was proposed for outlay during the current official year, leaving the balance to be worked out in 1858-59. The present Estimate provides for continuing the line from Gunloor to Inkole, a distance of forty two miles. The District Engineer observes that the road, though "bearing a great traffic, "is in a most wretched "state, notwithstanding "that portions of it have "here and there at one "time or another, been

partially

"partially made, and "a few tunnels and bridges "erected." He proposes in constructing the road, to take it on the present line for seventeen miles to near Varagani, and from thence, as in the case of the road in the Masulipatam District referred to above, to carry the line upon the western embankment of the projected Southern high level Channel, up to the boundary of the Gunloor and Nellore Districts near Inkole. Fifteen tunnels, nine bridges, and two Road Dams are proposed to be built on the portion between Gunloor and Varagani, and the Dist. Engr. observes that precisely [illegible] similar works for the remaining distance to here the

road

road is to be transferred to the bank of the Channel, & dependent immediately in consequence of the disposal of the drainage, ~~under the Channel~~ being provided for by numerous tunnels, and by Aqueducts having bridges attached to them.

4 The Govt fully recognize the importance of completing the first Northern Road, and approve of the two Projects which will be entered in the Budget of 1858/59 for the orders of the Govt of Madras.

5 In the Abstract Estimate forwarded with the Report R, the Project is described as "Repairing the road from Guntoor to Inkole near Varagani", and in the pencil note on the back of that paper as "Repairing the High Northern Road

Road from Guntoor to Varagani". The description in both places is ~~altogether~~ erroneous. In the first place the proposed work is not one of repair but of construction ~~of the road~~; in the second place the portion to be constructed does not stop at Varagani, but extends to the boundary of the Guntoor and Nellore Districts near Inkole, and in the third place Inkole is not near Varagani, but at a considerable distance from it, as shewn by the Sketch forwarded with the Report R. ~~As in the former~~ While the work is correctly described in the Report itself the errors above pointed out should

27

* (Though here also Inkole is entered instead of Inkole)

should not have been committed to such an important document as the Estimate which the Chief Engr must be fully aware, will eventually have to be laid before the Govt of India.

6. Similar mistakes occur in the Estimate marked R1 for the road in the Masulipatam District. The work is there described as "Repairing and altering the High Northern Road between Bezwarah and Ellore" whereas it is stated in the Report that the Estimate provides for the "thorough Construction of "the road," and again the Sketch marked R3 shews that the proposed road is not to terminate at Ellore but further up at a place called Dandalooru

7 In respect to the item for Masonry works, this is shewn in the two Estimates by the mere entry of the total amount required, whereas each of these works ought to have been specified and an Abstract of the measurements and other particulars given according to the Form laid down in Appendix E1 of the Second Report of the Madras Public Works Commissioners, and referred to in No V of the Rules for the submission of Estimates laid before the Govt. of the 18th Octr 1855 No 696.

8 The papers in question will therefore be returned to the Chief Engineer in order that revised Estimates being prepared and submitted with reference to the above observations.

J.

It is hoped that Colonel Faber will by proper arrangements in his Office, prevent the repetition of such mistakes in similar documents for the future.

J. G.

J Copies to the Chief Engr.
with 6 Enclos.
Disp: 24.

Public Works 1857 Dep.t
D.o to Com.o 28th July.

No 11,412.

Extract Minute of Com.o

Dated 23d July, 1857.

Extract from the Proc. of this Court
Engineers 2 Sept.r 57 C. No 1st 1813 in
22d

Adverting that Govt.
fully recognize the importance
of completing the great Nor.
thern road & approve of the
two projects submitted in the
Reports from the Ch. Engr.
dated 6th Dec.r 56 No. 5,662 R.
& Q, which will be entered
in the Budget of 1858-59 for
the orders of the Court of Eden-

No 16818.

C 13th July 1816