M.R.O. 1—32,500—27-11-20.

MADRAS RECORD OFFICE.

Government of Madras.

Public (Courts) DEPARTMENT.

G.O. No. 730 Press Mis.

Dated 7 18

Not to be folded or roughly handled

No. 5. Read the following letter from Major E. LAWFORD, Superintending Engineer Southern Circle, in charge of Central Office Public Works; to W. H. BAYLEY, Esq., Acting Secretary to Government, dated 10th June 1858, No. 1034.

SIR,

With reference to Extract Minutes Consultation No. 1906, dated 9th October 1857, I have the honor to forward, for submission to Government, a revised plan and estimate of a Tower proposed to be constructed in the vicinity of the Barracks at Jackatalla, to include a Magazine and Camp Equipage Godown, as well as a provision Godown, and Water Cistern, at a cost of (27,000) twenty-seven thousand Rupees, but as the expense of the Magazine and Camp Equipage Godown is already sanctioned* in the estimates to the amount of Rupees 14,450, the total additional sum requiring sanction is Rupees (12,550) twelve thousand, five hundred and fifty.

* Extract Minutes Consultation No. 1599, dated 18th August 1857.

2. This building originally suggested by Captain Campbell having already received the approval of His Excellency the Commander in Chief, I need not do more, than express my satisfaction with the details of the plan and estimate which appear perfectly suitable to the purpose.

3. Another estimate submitted by Captain Francis, is one for connecting the different blocks forming the Barrack square by means of arches, and this amounts to Rupees (3,800) three thousand and eight hundred, and is also approved by the Military authorities.

4. A third estimate now forwarded, is for forming an earthen parapet around the Barracks for purposes of defence, amounting to Rupees (3,800) three thousand and eight hundred.

5. Of the necessity for this work of defence, it is not perhaps my duty to speak, since it also has met with the approval of the Commander in Chief, but it might otherwise appear, that the commanding site of the Barracks, and their peculiar Geographical position would render such works scarcely necessary.

6. Should the Government be pleased to recommend for the sanction of the Government of India, all the works now proposed, the amount of additional expenditure required, would be Rupees (20,150) twenty thousand, one hundred and fifty.

Letter from Captain P. M. FRANCIS, District Engineer of Coimbatore; to Colonel C. E. FABER, Chief Engineer; dated Camp Jackatallah, 7th May 1858, No. 141.

SIR,

Adverting to the instructions contained in your letter No. 6021, dated 16th December 1857, I have the honor to forward a plan and estimate for the Tower, modified from Captain Campbell's original design, and also from my former proposition, as I shall shew below.

2. In my letter No. 56, dated 16th November 1857, I stated, that I considered Captain Campbell's idea of applying this description of Tower (for general information regarding which, see 3rd Volume of Professional papers of the Royal Engineers) to Jackatalla as highly commendable, and that nothing was more important than that stores and particularly ammunition should be protected from sudden surprise; the Commissariat Store Godowns are already built, I therefore proposed to alter the position of the Tower, and instead of placing it on the hill, which Captain Campbell had fixed upon, to place it as indicated in the accompanying plan, and the two sites having been inspected by the Commander in Chief, this latter was highly approved by him; it will serve to defend the Commissariat Stores, Mill and Bakery, cover the Cutwallee and bazar, and to sweep the principal roads, whilst it will be further removed itself from being commanded, and when armed with two nine pounders and two twenty-four pounder howitzers, as proposed by the Commander-in-Chief, it will afford support to the Barracks; this Tower would be about 150 yards further from the centre of the Barracks, than if it were placed at the spot originally chosen by Captain Campbell, or 750 yards in all.

3. Considering the position in which this Tower will be placed, on the crest of a hill, and under the supposition that an enemy (such as we need alone to provide against) would not possess Artillery, there seems no object in sinking the Tower into the ground, in order to cover its walls, as more particularly required in the examples from which Captain Campbell derived his plan, the greater command it has here over the country, I consider the better, and I would therefore build it on the natural level of the hill, but to strengthen the position, I would dig a ditch round it at a distance of 20 yards and with the debris form a glacis.

4. Captain Campbell included all the small detached buildings still sanctioned, but not already built under this one cover, in order to give greater size to the Tower, but I prefer a different arrangement of the interior as shewn in the accompanying plans, giving fewer walls and more air, the shot drill room might be more advantageously placed in the regimental prison,* I had intended to place the Gun sheds on the top of the Tower to cover ordinarily the two light Guns attached to this station, but since the Commander in Chief proposes a separate armament, the sanctioned Gun shed should be built where the Guns are most available for the practice of the Regiment.

* See sketch plan and Commander in Chief's opinion appended, vide Extract from letter No 31 dated 27th March from the Quarter Master General.

5. Thus placed and with asphalted floors to the Magazine, the Tower would be perfectly dry, the cistern is shewn below the compartment containing the stair case, the water must be pumped into it by a force-pump put upon the spring just below the road, the Barrack stream might be brought nearer, but it would not be such good or wholesome water.

6. Below is a comparative statement, shewing the areas originally sanctioned and provided for in the Tower. In case of an attack the tents could be stowed away among the Carts and Doolies below, and the whole upper-story would be available for a small garrison and their stores, the loop-holes would, at ordinary times, be closed by shutters within, and the windows to the lower and upper stories would have musket proof shutters, to be closed whenever it was necessary to open the loop-holes, the door would be musket proof and loop-holed, a supply of sand bags should always be kept in store for laying on the upper parapet; the bridge might be fixed, but capable of being shut off by a stockade gate.

Table of Comparative Areas.

Name of Building.	Area of Original building.	Area in Captain Campbell's Tower.	Area in Captain Francis' Tower.
	Square feet.	Square feet.	Square feet.
Magazine new...	160	407	375
Punishment sheds	1,200	1,139	Omitted from Tower.
Camp Equipage godowns..	4,014	2,704 ½	3,281
Gun sheds...	396	1,458	Omitted from Tower.
Cistern...	,,	90	262 ½
Provision store...	,,	,,	225
Barrack room...	,,	,,	483 ¾
Total.....	5,770	5,803	5,159

7. The cost of Captain Campbell's including glacis is at 666 Rupees per square, 31,900

My Tower including glacis.. 27,000
Separate Punishment shed as per sanction... 3,270
Separate Gun sheds do... ... ... 740 } 31,010

Difference..... 890

money difference in favor of my tower 890 Rupees; I have supposed that the centre room upstairs would always be kept available for stores of provision, and that one room would always be occupied by a guard, but, if these areas were added to the rest of the Camp Equipage, almost the full amount of space provided in the originally sanctioned buildings, would be obtained.

subject of defences, I beg to lay before you, that I proposed for the commander in Chief, whether it would not be well to finish off the Barrack nd banquette revetted with turf, it would look neat and appropriate not off the air, and might on occasion be useful; as many openings as requir- id chevauxdefrise kept in store to close them when necessary; this propo- cided approbation of the Commander-in-Chief, and a plan and estimate ,800 are accordingly submitted as directed by him. This inclosure would d from the eastern rise, but a few traverses might be thrown up, and it f a fire from the upper terrace of the Staff Quarters back verandah, could nt of Musketry from the Hill side; on the same subject the Commander mmunications should be considered between the different blocks of build- t be a thorough communication all round, and in order to save time and complete this report; the plans and estimates have been prepared and have met His Excellency's approbation. See his letter* at- therefore stand thus:

		Rs.
... ...		27,000
d ramps...		3,800
mmunication between blocks...		3,800
		34,600
ızine...	1,130	
ıge	13,720	14,850
sanction required, Rupees.....		19,750

inal Tower plan and estimate are returned herewith, and in his letter No. er 1857, he shews the additional sanction required on account of his Tower if the items 2 and 3 above were added for comparison sake, it would shew nearly 2,000 Rupees more cost, than that now proposed.

A. REID, Quarter Master General; to Captain P. M. FRANCIS, Dis- Jackatalla, dated Ootacamund, 7th May 1858, No. 73.

SIR,

In returning the several plans forwarded by you for submis- teau. sion to the Commander in Chief, I have the honor, by order, to the se- convey to you His Excellency's entire approbation of the whole.

A plan of the Cantonment of Jackatalla is likewise returned.

RDER THEREON, No. 1301; dated 7th July 1858.

litary Department for consideration. A copy of the order dated 9th to in Major Lawford's present letter, will be furnished to the Military

(Signed) T. PYCROFT,
Chief Secretary.

Dr. Mor. General's Office

No. 73.-

To

Captain Francis

District Engineer

Jackatalla

Sir,

I am returning the several plans forwarded by you for submission to the Commander in Chief, I have the honor, by order, to convey to you His Excellency's entire approbation of the whole

1 Plan of Tower.
1 Do of defensive works of Plateau
2 do- of connecting arches for the several ranges of Barracks-

A Plan of the Cantonment of Jackatalla is likewise returned.-

I have the honor to be Sir

(signed) F. A. Reid

Dy. Mr. General

Head Quarters
Palacamund
7th May 1838

True Copy

(signed) P. M. Francis

District Engineer

True Copy

Lieut. Engineer Superintendent
of the Central Office of P.W.

Comp. Ill

No 141

2

From

Captain P. M. Grannier

District Engineer of Coimbatore

To

The Chief Engineer

Department Public Works

Fort Saint George

Sir,

Adverting to the entrenchments contemplated in your letter No 602, dated 16th December 1857, I have the honor to forward a plan and Estimate for the tower, modified from Captain Campbell's original design, and also from my former proposition as I shall shew below.-

2 In my letter No 56, dated 16th November 1857, I stated that I considered Captain Campbell's idea of applying the description of tower, for general information regarding which see 3d Volume of professional papers of the Royal Engineers, to Jackatalla as highly commendable, and that nothing was more important than that stores and particularly ammunition should be protected from sudden surprise, the Commissariat Store Godowns are already built

I

I therefore proposed to alter the position of the tower and instead of placing it on the hill which Captain Campbell had fixed upon, to place it as indicated in the accompanying plans and the two sites having been inspected by the Commander in Chief, the latter was fully approved of. The tower would defend the Commissariat stores, Mill and Bakery, cover the Cutwalle and Bazar, and so sweep the principal roads whilst it will be further removed itself from being commanded and when armed with two nine pounders and two twenty four pounder howitzers as proposed by the Commander in Chief it will be a valuable support to the Barracks, the tower would be about 150 Yards further from the Centre of the Barracks than if it were placed at the spot originally chosen by Captain Campbell or 750 yards in all.-

3 Considering the position in which this tower will be placed on the crest of a hill and under the supposition that an enemy such as we need alone to provide against would not profess Artillery there seems no object in sinking the tower into the ground in order to cover its walls as more particularly required in the examples from which Captain Campbell derived his plan the

greater command it has here over the Country, I consider the better, and I would therefore build it on the natural level of the hill, but to strengthen the position I would dig a ditch round it at a distance of 20 yards and with the debris form a glacis.-

4 Captain Campbell included all the small detached buildings still sanctioned, but not already built under this one cover in order to give greater size to the tower, but I prefer a different arrangement of the interior as shewn in the accompanying plans giving fewer walls and more air, the shot drill rooms might be more advantageously placed in the regimental prison, I had intended to place the Gun sheds on the tops of the tower to cover ordinarily the two light guns attached to this station, but since the Commander in Chief proposes a separate armament the sanctioned Gun sheds should be built where the Guns are most available for the practice of the Regiment.-

+ See sketch plan and Commander in Chiefs minute appended to Colonel Contract from letter No. 31 dated 27th March from the Deputy Genl.

5 Floors placed and with asphalted floors to the Magazines the tower would be perfectly dry, the cistern is shewn below the Compartment containing the staircase, the water must

must be pumped into it by a force pump put up on the springs just below the roads, the Barrack stream might be brought nearer, but it would not be such good or wholesome water.-

6 Below is a comparative statement shewing the areas originally sanctioned and provided for in the tower. In case of an attack the tents could be shaved away among the carts and Doolies below and the whole upper story would be available for a small garrison and their stores, the loop holes would at ordinary times, be closed by shutters within and the windows to the lower and upper stories would have musket proof shutters to be closed whenever it was necessary to open the loop holes, the door would be musket proof, and loop holed a supply of sand bags should always be kept in store for laying on the upper parapet, the bridge might be fixed but capable of being shut off by a stockade gate.-

Table

Table of Comparative Areas.

Name of Building	Area of Original buildings	Area in Captain Campbell's tower	Area in Captain Francis Tower
	Square feet	Square feet	Square feet
Magazine new	160	407	375
Punishment Sheds	1200	1139	Omitted from tower
Camp Equipage Godowns	4014	2701 1/2	3281
Gun Sheds	396	1458	Omitted from tower
Cisterns	"	90	262 1/2
Provision Stores	"	"	225
Barrack rooms	"	"	483 3/4
Total	5770	5803	5159

7 The cost of Captain Campbell's tower including glacis is at 666 Rupees per square 31,968

Iron tower including glacis ... 27,000

Separate punishment Sheds as per sanction ... 3270 } ... 31,010

Separate Gun Sheds &c ... 740 }

Difference ... 890

money difference in favor of my tower 890 Rupees

I have supposed that the centre room upstairs would always be kept available for stores of provision and that one room would always be occupied by a guard, but if these areas were added to the rest of the Camp Equipage, almost the full amount of space provided in the originally sanctioned buildings

buildings would be obtained.-

8. With on the subject of defences I beg to say before now that I proposed for the consideration of the Commander in Chief whether it would not be well to finish off the Barracks on Palatian by a parapet and banquette revetted with turf, it would look neat and appropriate, not be high enough to keep off the air, and might on occasion be useful; as many openings as required might be left in it and chevaux de frise kept in store to close them when necessary this proposition met with the decided approbation of the Commander in Chief and as plans and Estimate) amounting to Rupees 3800 are accordingly submitted, as directed by him. This inclosure would of course be commanded from the eastern rise, but a few traverses might be thrown up, and it would be hard indeed if a fire from the upper terrace of the Staff Quarters back verandah, could not keep down any amount of musketry from the hill side, on the same subject the Commander in Chief desires that communications should be considered between the different blocks of buildings, so that there might be a thorough communication all round, and in order to save time and complete this report the plans

13

plans and Estimate have been prepared and have met His Excellency's approbation vide his letter attached

No 73 dated 7th May 1858

The Estimates therefore stand thus.-

1. Tower	Rs	2,000
2. Parapet and ramps	"	3,800
3. Arched communication between blocks	"	3800
		34,600
Deduct Magazine 1130		
Camp Equipage 13720		14850
Additional sanction required Rupees		19750

Captain Campbells original Tower plan and Estimate are returned herewith and in his letter No 177 dated 6th November 1857 he shows the additional sanction required on account of his tower to be 14020 to which if the items 2 and 3 above were added for comparison sake it would show that his work involved nearly 2000 Rupees more cost than that now proposed.

I have the honor to be &c.
(signed) P. N. Francis
District Engineer

District Engineer's Office
Camp Jackaballa
7th May 1858

True Copy
Lee
Supt Engineer 1st Circle in ch
of the Central Office of P.W.

Camp Jhl

Buildings ( ) (New Work)

Abstract of Estimate № of 185 /s

District Coimbatore

Work Constructing an Earthern Parapet with ramps &c. around the Barracks Mutiny at Jackatalla.

Quantities	Description of Work.	Rates			Amount.	Amount of each part.
C. Yds		Rs	As	P.	Rupees.	Rupees.
5992	Earth work ——— Cyc.	"	4	"	1498	
5706	Turfing ——— Sq. Yds.	"	2	"	713	
5814	Cyc. Removing & filling in earth work Cyc.	"	3	"	1090	
	Contingencies ———	"	"	"	499	
					Total Company's Rupees	3800

Central Office of P.W.
Fort Saint George,
10th June, 1858.

Sup.t Engr. & Secrd.
In. Ch. of the Central Office P.W.

Copy of a letter from the Right Hon.ble Governor in Council - Fort, St. George, to the Chief Engineer of the Coast Division of the Built at Jackatalla.

Dated the 2 June 1858.

Received 8th June 1858.

Copy of a letter from the Chief Engineer of the Coast Division, to the Superintending Engineer of the Circle of Public Buildings Coimbatore &c.

Dated Vizagapatam 10th June 1858.

Quantities	Description of Work.	Rates			Amount	Amounts of each part.
C. Yds.		Rs	As	P.	Rupees	Rupees

O/N 2483/58.

Enclosure

Ina Letter

From,

The Supt. Engr. South'n. Circle

In. Chge. of the Central Offices of

P.W.

To,

The Secretary to Govt.

P.D.W.

~~O/C 1334/58~~

Dated 10 June 58.

Recvd

No. 1034

Abtract Estimate for Constructing an Earthern Parapet with ramps &c. around the Barrack Lieutenant Jackatalla in the District of Coimbatore.

Amounting to Comp. Rs. 3800 —

Buildings ( ) (New Work)

Abstract of Estimate No of 185 /5

District. Coimbatore

Work. Constructing Archways to Connect the Barracks and Staff Quarters and round between the upper Verandahs

Quantities	Description of Work.	Rate of			Amount.	Amount of each part.
C. Yds.		Rs	as	P.	Rupees.	Rupees.
	Archway between Staff Quarters & No. 1 Block.					
1298	C.ft. Brick in Chanam — 100 C.ft.	24	"	"	312	
1110	Sup.ft. Plastering — 4/4	7	"	"	80	
292	lb. Flooring with laid wood joists					
	Planks 3/4 over the Archway Sq.ft.	66	"	"	193	
1	Door Complete	"	"	"	20	
	Contingencies				35	
	Total Cost of Archway between Staff Qrs. & No. 1 Block				640	
1	Do. Do. Do. & No. 2 Do.				640	
1	Do. Do. Do. No. 375 Do.				640	
1	Do. Do. Do. No. 475 Do.				640	
	Total Cost of 4 Archways					2560
	Archway between No. 2 & 4 Blocks					
1979	C.ft. Brick in Chanam — 100 C.ft.	24	"	"	475	
1106	Sup.ft. Plastering — Sq.ft.	7	"	"	78	
	2 Doors Complete — Each	20	"	"	40	
	Carried Cost —				593	2560

Quantities.	Description of Work.	Rate.	Amounts.	Amounts of each part.
C. Yds.		Rs. As. P.	Rupees.	Rupees.
	Brought Over		593	2560
	Contingencies		27	
	Total Cost of 1 Archway between Nos. 2 & 1 Block		620	
1	Do. Do. Do. Nos. 1 & 3 Blocks		620	
	Total Cost of 2 Archways			1240
	Total Company's Rupees			3800

Central Office of P.W.
Fort Saint George,
10th June, 1858.

Supt. Engr. S. C.
In Ch. of the Central Office
P.W.

Quantities.	Description of Work.	Rates.			Amounts.	Amounts of each parts.
C. Yds.		Rs.	As.	P.	Rupees.	Rupees.
	Brought forward					22613
	Wooden Bridges					
1160	Qt. Brick in Chunam Floor	21	"	"	2114	
193¾	Lt. Teakwood wrought and fixed up Qt.	4	"	"	773	
	Planking nails	"	"	"	15	
	Total amount of 1st Bridge				1032	
	2de 2de 2 2de					2064
	Sundries					2323
						27,000
	Deduct the amount for Engaging Servts. on the 15th August 1857 Nos 1599				1130	
	2de 2de for Camp Equipage 2de 2de				13320	14450
	Net amount requiring Sanction					12550

Central Office of Works
Fort Saint George
10th June 1858

Lewis

Sub. Engineer Southern Circle
In Ch. of the Central Office of Works

Enclosure

In a Letter

From

The Supt. Engineer S. C.

In Ch: of the Central Office

G. P. W.

To

The Secretary to Govt

G. P. W.

No 1334/58

Date Received 10 3 June 58

No 1034

Abstract Estimate for Constructing Archways to connect the Barracks and Staff Quarters all round between the Upper Verandah at Jacksatilla in the District of Coimbatore.

Amounting to Comp.d Rs 3800 —

Buildings ( ) (New Work)

Abstract of Estimate No of 185 /5

District. Coimbatore

Work. Constructing a Defensive Tower at Jacksatilla to Contain Powder magazine Camp Equipage also a magazine for provisions and Cistern

Quantities	Description of Work.	Rate. Rs	As	P.	Amount. Rupees.	Amount of each part. Rupees.
C. Yds.						
3764	C.Yds Brick on Chunam ——— Yard	23	"	"	8659	
30759	Do —— Do —— Do —— Do	24	"	"	7382	
20889	Sup.ft Plastering with 2 Coats of Chunam to Lower and upper Stories Sup.ft	8	"	"	1671	
1633	Rs Flooring upper and Lower Stories with Cement ——— Rs	20	"	"	927	
2166	Rs —— Do —— upper Story with Asphalt Do	10	"	"	561	
630	Do —— Do —— magazine and Cistern with asphalt ——— Do	10	"	"	252	
	1 Strong Door with musket proof Shutters Covered with Strong Sheet iron ———	"	"	"	300	
	2 Teakwood Doors for Magazine &	50	"	"	100	
	21 Glazed windows with musket proof Shutters Complete ——— &	20	"	"	420	
	71 Loophole Shutters Complete ——— Do	3	"	"	213	
	6 Pannelled Doors Complete ——— Do	30	"	"	180	
	1 Granite Stone Complete ———	"	"	"	100	
	1 Wooden Ladder for upper Story	"	"	"	20	
	1 Lightning Conductor ———	"	"	"	60	
	Casting for Conductor ———	"	"	"	180	
	1 Pump and Hose ———	"	"	"	200	
916	C.Yds Excavating foundation 3 ft Deep	"	2	"	114	
5604	Rs Excavating Trench around the Tower 3 forming glacis 3 ft ——— Cyd	"	3	"	1051	22613
				Carried Forward		22613

Quantities.	Description of Work.	Rate Rs	Rate As	Rate P.	Amounts. Rupees.	Amounts of each part. Rupees.
C. Yds.	Brought forward					22613
	Wooden Bridges					
1160	Cft. Brick in Chunam	100 Cft.	21	"	"	244
193¼	Lbs. Teakwood wrought and put up	Cft.	4	"	"	773
	Planking nails	"	"	"	"	15
	Total amount of 1 Bridge					1032
	Do. of 2 Do.					2064
	Sundries					2323
						27,000
	Deduct the amount for Bragagine stores on the 18th August 1599				1130	
	Do. Do. for Camp Equipage				13320	14450
	Net amount requiring sanction					12550

Central Office of Wks.
Fort Saint George
19th June 1858

Lewis
Sub. Engineer Southern Circle
In Ch. of the Central Office of Wks.

Enclosure

No

From

The Supt. Engr. Southern Circle
In ch. of the Central Office
of Pks.

To The Secretary to Government
of Pks.

Dated
Received } June 58
No 1334/58

No

Abstract Estimate for Construc-
-ting a Defensive Tower at
Jackatalla & to contain Powder-
Magazine, Camp Equipage &
also a Magazine for Provisions &
Cistern in the District of Cuin-
-batore amounting to Rs.
Rupees 12,550- " - "

Central Office of Pks.
Fort St George 10 June 58

No 1034

From

The Superintending Engineer S. C.
in charge of Central Office Pks.

To

The Secretary to Government Pks.

Sir,

Military

With reference to Pks. Mins. Cons.
No 1906, dated 9th October 1857, I have the
honor to forward, for submission to Government,
a revised plan and estimate of a Tower
proposed to be constructed in the vicinity
of the Barracks at Jackatalla, to include
a Magazine and Camp Equipage Godown,
as well as a Provision Godown, and
Water Cistern at a cost of /27,000/ Twenty
Seven thousand Rupees, but as the expense
of the Magazine and Camp Equipage Godown
is already sanctioned in the estimates & the
amount of Rupees 14,450, the total additional
sum requiring sanction is Rupees /12,550/
Twelve thousand five hundred and fifty.-

× S. M. C. No 1599
of 18th Aug 1857

This

2. This Building originally suggested by Captain Campbell having already received the approval of His Excellency the Commander in Chief, I need not do more than express my satisfaction with the details of the plan and estimate which appear perfectly suitable to the purpose.-

3. Another estimate submitted by Captain Francis is one for connecting the different Blocks forming the Barrack Square by means of arches and this amounts to Rupees /3,800/ Three thousand and eight hundred, and is also approved by the Military authorities.-

4. A third Estimate now forwarded is for forming an earthen parapet around the Barracks for purposes of defence amounting to Rupees /3800/ Three thousand and eight hundred.-

5. Of the necessity for this work of defence it is not perhaps my duty to speak since it also has met with the approval of the Commander in Chief, but it might otherwise appear that the Commanding site of the Barracks, and their peculiar geographical position would render such works scarcely necessary.-

6. Should the Government be pleased to recommend for the sanction of the Government of India all the works now proposed the amount of additional expenditure required would be Rupees /20,150/ Twenty thousand one hundred and fifty.-

I have the honor to be,
Sir,
Your most obdt. Servt.

Fort St. George
10 June 1858

Lt. Colonel
Supg. Engr. S. C. in charge
Central Office of Public Works

To
The Secretary to Government
P.W.D.

Comp. III

P.M. Cmd. 13th Regt 1/57 Dep. 31-3
" 18th August 54-55

P. Worked 1856 Department
Do to Cmd. 6th July
No 1334.

From
The Insp. Genl. of Com.
Chief Medical Officer
To The Secretary to Govt.
of Ind.

No. 1301

Referred to the
Military Department for
consideration. A copy of the
order dated 9th October 1857 on
referred to in Major Crawford's
present letter will be furnish
ed to the Military Department.

WHB

Exc: Insp. Genl. Mily Dept.
9/15th July/58 C No 157
in Cand: 24 Aug

Dated 10
Rec'd 17 June 1858.

No 1034

Exc: Returns
3 Plans
No 1301 7th July 1858. 249

Submits, for Sanction,
three Estimates amounting to Rs
20,150 for Construction Defen
sive Enclosure earthen parapet
round the Barrack Plateau
and archways to connect
the Barracks & Hospital
quarters at Quetta Pishin
in the District of Cumbla
Military Order

L

Fort St. George
7th July 1858

Delivered to the Mily Dept. Dated 8th
with a Copy of P.C. No 2 dated 9th Oct 1857

3 Regt Cotton Ds
Plans sent to
Govt of India
18 Aug 58
No. 5+6 Dn 1657

C 26th June