M.R.O. 1—77,000—8-6-37.

(1) Number of pages 36

(2) Date of repair 4-9-43

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 318-319 Press / Mis.

39-42

Dated 1— 2 1869.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 1st February 1869.

No. 39. From the Superintending Engineer, 6th Division, to the Secretary to Government, Public Works Department, dated Tanjore, 23rd November 1868, No. 892.

1. I have the honor to submit an estimate for the erection of the Central Jail at Trichinopoly, amounting to Rupees 3,76,000, prepared in accordance with the plans which accompanied the Committee's Report,* dated 18th September 1865, No. 17, with such modifications as have been made from time to time by Government. The orders of Government relative to any changes, being mentioned at the head of each estimate.

1 Memorandum.
1 Abstract Estimate.
1 Standard Plan, Jailor's quarters.
1 Standard Plan for Latrines.
1 Plan, Iron Palisading.
1 Plan of Head Constable, Head Warder, Warders, and permanant Police Huts.
1 Plan of buildings in and attached to the Jail.
1 Specification of the buildings in a tabulated form.
1 Ground Plan.

* In G. O., No. 1,761, 9th December 1865, Judicial Department
Public Works Department No. 3,760, dated 13th December 1865.

2. The specification is drawn up in a tabulated form, and with the plans and estimates affords full information regarding each building.

3. Detailed estimates have been prepared for every item except for a filter and the necessary conduits from it: for these works a sum of Rupees 7,500 is provided in the estimate, and it is expected that this sum will cover the cost of all work which may be necessary. Detailed estimates for the conduits have not yet been prepared, because it was intended that the filter should be placed adjacent to the well in the north-east corner, where it would command the whole of the Barracks and the cook-house, to which water might be led by gravitation, and, therefore, at a very small cost. Unfortunately, up to date, water has not been met with in any great quantity in the well at the north-east corner, though the well has been sunk through the granite to a depth of from five to eight feet below that of the other wells† in the south-east, south-west, and north-east corners, and from these wells an ample supply of water is obtainable.

† About 30 feet deep.

4. As soon as the monsoon is over, the well in the north-east corner will be sunk still deeper, with the view of striking a fissure in the rock, and if no fissure is met with the well must be abandoned, and another well sunk nearer the centre of the enclosure, which may still command the Barracks, as the ground falls from the centre of the enclosure to the north-west, south-west, and south-east corners.

Centre	... ...	0
North-west	... ...	4·9 feet.
South-west	... ...	3·2 ,,
South-east	... ...	6 1 ,,

5. Owing to the fact that the ferruginous red earth, which forms the surface material at and in the neighbourhood of the Jail, is a favorite habitat for white-ants, Government sanctioned‡ the construction of the walls with brick-in-chunam, and notwithstanding the use of this material it was found that the ants made their way under some of the buildings which had been erected and through the floor which consisted of clay, and Government sanctioned the asphalting of

‡ G. O., No 1,602, 28th May 1867.

G. O, No. 1,337, of 2nd May 1868.

all the floors within the Jail enclosure. This has added nearly Rupees 20,000 to the cost of the buildings.

6. The following abstract shows the expenditure within and without the Jail enclosure:—

	Rs.	
All works within enclosure, including Guard-room palisading and outer wall	2,76,395	
Filter and drains	7,500	
For all buildings outside enclosure, Jailer's and Deputy Jailer's quarters, Apothecary's quarters, Head Constables (European) and Warders, 50 Police and 10 Warders' huts	42,156	
		3,26,051
Temporary buildings	9,316	
Forming approaches, planting trees, &c.	2,620	
Cost of site	3,080	
		3,41,067
Pay of Jail Superintendent, allowance of Medical Officer and Guards	34,933	
		3,76,000

Thus while the total cost of the Jail is Rupees 3,41,067, a charge of ten per cent. is added to it owing to the pay of the Superintendent of the Jail, that of the Medical Officer, and that of the guards, being debited to the Jail while the work is in progress: there may be a slight saving on this item, as, if funds are available, it may be possible to complete the work before the 31st December 1869, to which date the cost of guards, &c., has been calculated.

7. The estimated value of the work of prisoners employed on the Jail up to August 1868 is about Rupees 13,000, and the probable value of work which will be turned out by them up to the date of the completion of the work will be about Rupees 8,000 more, so that the actual cost of the Jail works will be about 3,62,000.

8. Much of the work executed by the prisoners has consisted in levelling the ground, removing rock from the site, excavating foundations, digging wells, blasting and conveying stones, bricks, &c., to the work spot, and owing to the aid thus afforded by them, the price of brick-work has been reduced from 2¼ Annas to 2 Annas; the former being the rate at which brick-work was executed in the outer wall and the hospital and its out-houses, works which were undertaken while but few prisoners were available. The item for excavating foundations has been reduced to a small amount, and, on an average, only about 2½ per cent. has been allowed for sundries. While no separate provision has been made for digging wells, of which there are now three completed within the enclosure, three more are in progress, and four will be required without the enclosure, of which one is nearly completed.

9. The site was described in the Local Committee's Report; it has been found that the conformation of the surface prevents water from resting on any portion of the site, and the surface drainage can be carried off rapidly by the weep

G. O., No. 1,732, 2nd November 1866.

holes provided for it in the outer wall of the enclosure if the vents themselves are kept clear, and the leading channels from them are free from obstructions; surface drainage is not, therefore, required, while nature has provided for sub-soil drainage, through the layer of gravel which lies between the solid rock and the surface soil, in a manner which science could hardly improve upon.

10. Owing to the configuration of the ground, it would not be possible to collect the rain-fall from the roofs and to convey it to one filter or cistern without laying down a large number of pipes, and then pumping the water to the surface at a considerable cost, and as there is reason to believe that the water-supply provided by the wells will be sufficient for all purposes, it is not proposed to collect and store water from the roofs of the buildings.

'EMORANDUM.

Rupees 4,300 were sanctioned for ten Warder's huts in G. O, No. 972, of 25th March, in the estimate submitted, Rupees 4,500 is entered for them, this is due to a floor of brick-in-chunam having been provided for each hut at a cost of Rupees 12, to keep out white-ants, the natives preferring the brick floor to asphalte.

The sum sanctioned for the temporary Jail buildings was Rupees 9,030, Rupees 9,316 are entered in the estimate, as the original works cost Rupees 9,069, and Rupees 247 were expended in repairs after the storm in January 1868, by which the buildings were much injured.

G O, No. 156 of 17th January 1867.
No. 1, 942, 1st July 1867.

In putting in the comparatively narrow foundations to the various buildings, it was found that owing to the necessity for carefully dressing the stones, the cost of rough stone-in-chunam amounted to that for brick-in-chunam, and so brick-in-chunam has been allowed in the estimates, but owing to the failure of the supply of bricks from time to time many of the foundations have been aid in stone-in-chunam.

(Signed) R. F. OAKES, Captain, R. E.,
Supgt. Engineer, 6th Division.

TANJORE,
23rd November 1868.

Specification of the buildings in the Central

Buildings.	Rooms or wards.	Length.	Breadth.	Average height.	Doors.			Windows.		
					Number.	Height.	Width.	Number.	Height.	Width.
		Ft In	Feet.	Feet.		Feet.	Feet		Feet.	Feet.
5 Barracks for Male prisoners ...	6	49	18	15	30	8	4	210	5½	4
1 Do. do.	4	49	18	15	4	8	4	28	5½	4
Quarantine Ward	6	15	16	15	6	8	4	18	5½	4
Cook-room for do.	1	34 5/6	8	9¾	...	...	...	...*	...	...
Privy ... ... ,, ...	1	25½	11	9	1	7	3½	...	...	...
	1	7½	11	9	1	7	3	...*	...	...
1 Barrack of terraced wards for Convicts under sentence of transportation.	11	29	18	15	11	8	4	33	5½	4
Three and half Work-shed	3½	151½	28½	12	...	...	...	...	...	...
General Cooking-shed	5	10	14	8	5	7	3½	...	...	...
Solitary Work-shed	20	6½	12½	11¾	...	...	...	...	...	...
Stores in two blocks...	2	50	16	14½	2	6¾	3½	11	4	3
Office do.	1	24	16	14½	1	6¾	3½	3	4	3
2. Blocks, Guard-room	2	29	15	11	3	7	3½	7	5	3
	1	15	15	11	1	6	3	3	5	3
	1	17¼	15	11	...	...	...	2	5	3
Solitary Cells...	28	8	12	11	20	6	3	...	...	...
Do. Closet	20	8	4	7				1	3	2
Juvenile Ward	1	49	18	15	...	...	...	20	5 5/6	5 5/6
Do. Work-shed	1	25	14	11½	1	8	4	7	5½	4
1 Block, Female Wards	3	49	18	15	...	...	...	..	...	...
	2	23¾	18	15	5	8	4			
Do. Hospital	1	24	16	12½	2	6	3	27	5½	4
Hospital for Contagious cases ...	1	20	16	12½	1	7	4	4	4	3
Matron's quarters	5	8½	13	12½	1	7	4	4	4	3
		12	13	12½	...	...	...	...	...	...
		6½	8½	11	2	7	4	...	...	...
		7	8½	11	3	6	2¾	4	4	3
		5½	10	11	...	...	...	...	...	...
Privy for do.	1	25½	11	9	...	...	...	..	...	...
	1	7½	11	9	1	7	3½			
Latrine	...	234	20⅜	Pillars. 11½	1	7	3	...	...	...
Watch Tower Hexagonal inner sides.	...	16			...	...	...	...	...	...
Outer sides	..	27 9	...	33	8	7	4			
					4	7	3	24	4	3
	3	48	18	15						
	2	24	18	15	...	...	...	...	...	...
	1	28½	12	11⅞	4	7½	4	31	7½	4
	1	12	9	11⅞	2	6¾	3½	1	6⅜	3½
1 Block Hospital...	3 sides enclosed verandah	438	9	11⅞	38	7½	4	5	4	3
					...	...	...	...	...	...

Jail at Trichinopoly, in a tabulated form.

Ventilation.	Nature of floor.	Nature of roof.	Remarks.
Ridge and Eaves.	Asphalted ...	Teak-wood truss and Palmyra rafters.	
Do. ...	Do. ...	Do.	
Do. ...	Do	Do.	
.....	Brick-in-chunam ..	Couple roof. ..	* Honey-comb tile work.
.. ...	Asphalted ...	Do. ...	* Do do.
.. ...	Do. ...	Terraced.	
In wall... ...			
Ridge and Eave.	Do. and brick-in-chunam.	Teak-wood truss and Palmyra rafters.	
Do. ...	Brick-in-chunam ..	Couple roof with collar pieces.	
.....	Asphalted ...	Teak-wood truss and Palmyra rafters.	
.....	Do. ...	Couple roof with collar pieces.	
.....	Brick-in-chunam...	Terraced	Verandah on one side 6½ feet broad with a Bath-room at one end covered with Bengal roof.
.....		Terraced	Verandah on one side 7 feet broad, covered with Bengal roof.
In wall	Asphalted ...	Teak-wood truss and Palmyra rafters.	
Ridge and Eaves.	Do. ...	Do.	
.....	Do. ...	Do.	Verandah on one side 10½ feet broad, with a Bath-room at each end covered with tiled roof.
Ridge and Eaves.	Do. ...	Do. ...	Verandah on one side 7½ feet broad, with do. do.
Do. ...	Do. ...	Couple roof with collar pieces.	Do. do.
Do. ...	Do. ...	Do. ...	
.....	Do. ...	Terraced	Verandah on one side 12 feet broad, covered with Bengal roof.
.....	Do. ...	Couple roof.	
.....	Do. ...	Do. with collar pieces.	Verandah on both sides 7½ feet broad covered with tiled roof with outer screen walls, 1 foot by 6 feet.
.....	Do. and brick-in-chunam.	Terraced with Bengal terraced roof for 3rd story.	
Ridge and Eaves.	Alphalted ...	Teak-wood truss with Palmyra rafters.	

Specification of the buildings in the Central

Buildings.	Rooms or wards.	Length.	Breadth.	Average height.	Doors.			Windows.		
					Number.	Height.	Width.	Number.	Height.	Width.
		Feet.	Feet.	Feet.		Feet.	Feet		Feet	Feet.
Stores...	1	24	16	11	1	6¾	3¾	4	4	3
Dead House	1	15	12	10	1	6¾	3¾	3	4	3.
Cooking-shed	1	39	9¾	11½	...	...	...	...*	...	...
Privy	1	24	12	7	1	7	3½	...*	...	...
Bath-room	1	32	12	7	1	6	3	4	4	3
Jailers' quarters	1	18	18	17½	...	...	...	...	...	...
	2	12	18	12½	10	7½	4	...	...	...
	1	12	18	8½	1	7	3½	7	5	3½
Cooking-shed and Godown ...	2	12	12	8½	...	...	...	...	...	...
Privy	2	10	12	10	2	6	3	3	4	3
Deputy Jailers' quarters	1	10	8	7½	1	6	3	...	...	...
Cooking-shed and Godown ...	2	15	18	14	4	7½	4	...	...	...
Privy	2	15	9	10	2	7	3½	4	5	3½
House for Native Dresser including Cook-room, &c.	2	10	12	10	2	6	3	3	4	3
	1	10	8	7½	1	6	3	...	...	...
	1	16	5	8¾	4	5½	3	...	...	...
Permanent Police huts	1	8	5	6½	1	5	2½	2	4	3
	2	12	10	6½	...	...	...	...	...	...
Do. do. for European or East Indian Head Constables.	2	6	4	8	...	...	...	...	...	...
	1	12	6	6½	2	7	3½	2	5	3½
	2	12	12	6½	...	...	...	...	...	...
Cook-room and Godown	2	5⅜	6	11	2	7½	4	2	5	3½
Head Warders and Warders, same as Head Constables, and permanent Police Huts.	1	10	8	6½	4	6	3	4	4	3
	1	8	6	7½	...	...	...	...	...	...
Area enclosed 400 yards by 400 yards, walls 16 feet high, 11 feet of brick-in-chunam above 5 feet of rough stone in do. foundations 4 feet deep of do. do.	.	...	...	7½	2	5	3½	2	4	3
				...	...	...	...	...	...	...
Iron railings 7½ feet high, masonry pillars at about 12 feet intervals 9 feet high 2 feet in diameter, corner pillars 3 feet by 2 feet.										
Radiating walls 7½ feet by 1½ foot with foundation of 2½ feet brick-in-chunam.										

TANJORE,
23rd *November* 1868.

Jail at Trichinopoly, in a tabulated form.

Ventilation.	Nature of floor.	Nature of roof.	Remarks.
.....	Alphalted ...	Couple roof with collar pieces.	
... ..	Do. ...	Do.	* Honey-comb tile work.
... ..	Brick-in-chunam...	Do. ...	* Do. do.
.....	Asphalted ...	Do. ...	
.....	Do. ...	Do.	
.....	Brick-in-chunam...	Hipped roof.	Verandah on one side 13½ feet broad.
.....	Do. ...	Couple roof ...	
In roof	Asphalted ...	Do.	
.....	Do. ...	Terraced... ...	Verandah on one side 10½ feet broad.
In wall. ...	Brick-in-chunam...	Couple roof.	
In roof	Asphalted ...	Do.	
.....	Brick-in-chunam...	Do. ...	Verandah on one side 7 feet broad covered with tiled roof.
.....	Do. and earth...	Do.	
.....	Brick-in-chunam...	Do.	
Ridge and Eaves.	Do. ...	Do.	Foundations from 2½ feet to 6 feet, Basements from 2 feet to 3 feet.
.....	.....	.....	In terraced roofs, rafters and beams of Teak with a course of brick on edge and 3 courses of flat tiles.
.....			In trussed roofs, trusses and principal rafters are of Teak-wood, common rafters of Ppalmyra with flat and pan-tiles, in coupled roofs, couples of palmyra, frames of doors, windows and ventilators of Teak.

(Signed) R. F. OAKES, Captain, R. E.,
Superintending Engineer, 6th Division.

Statement of accommodation for 1,081 *Convicts in the new Central Jail, Trichinopoly.*

Buildings.	Inside dimensions. L.	B.	H.	Number to be lodged in each Cell.	Number to be lodged in each Barrack.	Total.	Superficial area allowed to each man in square feet.	Cubical space allowed to each man.
5 Barracks for male prisoners, each consisting of 6 wards	49	18	16½	21	126	630	42	678
1 Barrack for male prisoners consisting of 4 wards.	49	18	16½	21	84	84	42	678
1 Barrack of 6 wards (Quarantine)	15	16	16½	6	36	36	40	660
1 Barrack consisting of 11 wards for transportation convicts	29	18	15	11	121	121	47	711
1 Barrack for Juveniles	49	18	16½	21	21	21	42	678
1 Barrack for females consisting of three large and two small wards	49	18	16½	21	63	63	42	678
	23¾	18	16½	10	20	20	42	705
20 Solitary Cells	12	8	11	1	20	20	96	1,056
Hospital for males, three rooms each... ...	48	18	18	18	54	54	48	864
Do. two special wards... ...	24	18	18	9	18	18	48	864
Do. Females	24	16	15½	8	8	8	48	744
Do. Females for special cases ...	20	16	15½	6	6	6	53	827
Total ...	...	...	.....	...	...	1,081		

Tanjore,
9th December 1868.

(Signed) R. F. OAKES, Captain, R. E.,
Superintending Engineer, 6th Division.

No. 40. * From the same Officer, to the Secretary to Government, Public Works Department, dated Tanjore, 9th December 1868, No. 967.

Enclosure.—One Statement.

With reference to your Memorandum, No. 164, dated 5th instant, I have the honor to enclose a Statement showing the number of prisoners for whom accommodation is to be provided in the Central Jail at Trichinopoly.

No. 41. Order thereon, 1st February 1869, No. 318.

CIVIL WORKS, No. 6.

The estimates of Rupees 3,76,000 submitted with this letter for a new Central Jail at Trichinopoly, will be forwarded for the sanction of the Government of India.

(Here enter No. 319, dated 1st February 1869.)

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 6th Division.
" Controller of Public Works Accounts.
" Accountant General.
" Judicial Department.

Exd. S. T. Augustin.

Cert. of {1869} Augustin

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER.

6TH DIVISION.

&c., &c., &c.

Dated February, 1st.

Read.

Read.

G. O., 1st February 1869, No. 318

FEBRUARY.

Nos. 39-41

Central Jail at Trichinopoly.—Passing orders on the estimates amounting to Rupees 3,76,000 for a new Central Jail at Trichinopoly.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 1*st February* 1869.

No. 319.

No. 42.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

CIVIL WORKS, No. 7.

1. I am directed by his Excellency the Governor in Council to forward the accompanying plans, with estimates amounting in the aggregate to Rupees 3,76,000, for the erection of the Central Jail under construction at Trichinopoly.

2. It will be observed that, besides providing temporary accommodation for the prisoners employed on the construction of the Jail, the estimate includes the cost of erecting the undermentioned buildings with all the requisite subsidiary structures :—

	RS.
Six blocks for males, five of six wards and one of four wards, each ward to contain 21 men...	714
One block of eleven wards for convicts under sentence of transportation, each ditto to contain 11 persons ...	121
One ditto of three large and two small wards for females.	83
One ditto of six quarantine wards	36
One ditto for juveniles	21
One Hospital for males	72
One ditto for females	14

3. The expenditure on the work up to the end of the past official year was Rupees 1,28,815, and a sum of Rupees 95,760 has been provided in the current year.

G. O., No. 156, dated 17th January 1867.
,, ,, ,, 621, ,, 28th February ,,
,, ,, ,, 1,093, ,, 9th April ,,
,, ,, ,, 3,728, ,, 29th November ,,
,, ,, ,, 427, ,, 7th February 1868.

4. The papers which are herewith transmitted will afford full information regarding the disposition of the several buildings, and I am to request the sanction of the Government of India to the estimate.

I have the honor to be,
Sir,
Your most obedient servant,
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. S. T. Augustin

Govt. of {1869} Madras.

PUBLIC WORKS.

To

THE SECRETARY TO THE GOVERNMENT

of INDIA

Dated February, 1st.

Recd.

In

G. O., 1st February 1869, No. 319.

FEBRUARY.

No. 42

Central Jail at Trichinopoly.—Estimates amounting to Rupees 3,76,000 for a new Central Jail at Trichinopoly, forwarded to the Government of India for sanction.

Superintending Engineers Office 6: Divn
Tanjore 23d November 1868.

No. 892

From,

Captain R. F. Oakes. R.E
Superintending Engineer
6: Division

To,

Colonel C. A. Orr. R.E.
Secretary to Government
Public Works Department

Sir,

I have the honor to submit an Estimate for the erection of the Central Jail at Trichinopoly amounting to Rupees 3,76,000 prepared in accordance with the plans which accompanied the Committees Report dated 18th September 1865 No 17 with such modifications as have been made from time to time by Government. The orders of Government relative to any changes being mentioned at the head of each Estimate.

Enclosures.

1. Memo.
1. Abstract Estimate.
1. Standard Plan for Barrack quarters.
1. Standard Plan for Latrines.
1. Plan & Section Palisading.
1. Plan of Head Constable, Head Warder, Matrons and Female Police Huts.
1. Plan of Buildings recommended attached to the Jail.
1. Specification of the Buildings in Tabulated Form.
1 Ground Plan.....

In G. O. No 1761.
9th December 1865. Judicial Department.
P. W. D. No 3460 dated 13th December 1865.

2 The Specification is drawn up in a Tabulated form and with the Plans and Estimates affords full information regarding each Building.

3. Detailed Estimates have been prepared for every item except for a Filter and the necessary conduits from it. For these works a sum of Rupees 7,500 is provided in the Estimate and it is expected that this sum will cover the cost of all work which may be necessary. Detailed Estimates for the Conduits have not yet been prepared because it was intended that the Filter should be placed adjacent to the Well in the N.E. Corner where it would command the whole of the Barracks and the Cook House to which water might be led by gravitation and therefore at a very small cost. Unfortunately up to date, water has not been met with in any great quantity in the Well at the N.E. Corner though the well has been sunk through the Granite to a depth of from 5 to 8' below that of the other wells in the S.E. S.W and N.E. Corners and from these wells an ample supply of water is obtainable.

about 30' deep

4 As soon as the Monsoon is over the Well in the N.E. Corner will be sunk still deeper with the view of striking a fissure in the Rock and if no fissure is met with the well must be abandoned and another well sunk nearer the centre of the enclosure which may still command the Barracks as the Ground falls from the Centre of the enclosure to the N.W. S.W. and S.E. Corners.

Centre ... 0
N.W. — 4.9 d.
S.W — 3.2 —"—
S.E. — 6.1 —"—

5 Owing to the fact that the ferruginous red earth which forms the surface material all and in the neighbourhood of the Jail is a favorite habitat for

G.O. No. 1052 — 29th March 1867

for white Ants. Government sanctioned the construction of the walls with brick in Chunam and notwithstanding the use of this material it was found that the Ants made their way under some of the Buildings which had been erected and through the floor which consisted of clay and Government sanctioned the asphalting of all the floors within the Jail Enclosure. This has added nearly Rs. 20,000 to the cost of the Buildings.

G.O. No. 1367 — 2nd May 1868

6. The following abstract shows the expenditure within and without the Jail Enclosure.

All Works within Enclosure including Guard room Palisading and outer wall	2,76,395	
Filter and drains	7,500	
For all Buildings outside Enclosure Jailors and Deputy Jailors Quarters apothecarys Quarters Head Constables (European) and Warders 50 Police & 10 Warders Huts	42,156	
	3,26,051	
Temporary Buildings	9,316	
Forming Approaches Planting Trees &c.	2,620	
Cost of Site	3,080	
	3,41,067	
Pay of Jail Superintendents allowance of Medical Officer & Guards	34,933	
	3,76,000	

Thus while the Total cost of the Jail is Rs. 341,067 a charge of 10 per cent is added

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owing to the pay of the Superintendent of the Jail, that of the Medical officer and the Police Guards, being debited to the Jail while the Work is in progress: there may be a slight saving on this item, as, if funds are available, it may be possible to complete the Work before the 31st December 1869 to which date the cost of Guards &c has been calculated.

7. The Estimated value of the work of Prisoners employed on the Jail up to August 1868 is about Rs. 13000 and the probable value of work which will be turned out by them up to the date of the completion of the work will be about Rs. 8000 more so that the actual cost of the Jail works will be about Rs. 3,62,000.

8. Much of the work executed by the Prisoners has consisted in levelling the ground, removing Rock from the Site, excavating foundations; Digging Wells, blasting and conveying Stones, Bricks, &c to the work spot and owing to the aid thus afforded by them the price of Brick work has been reduced from 2¼ Annas to 2 Annas; the former being the rate at which brick work was executed in the outer wall and the Hospital and its outhouses, works which were undertaken while but few Prisoners were available.

The item for excavating foundations has been reduced to a small amount and on an average only about 2½ per cent has been allowed for Sundries. While no separate provision has been made for digging wells, of which there are now 3 completed within the enclosure. 3 more are in progress and 4 will be required what the enclosure of which one is nearly completed.

G.O. No. 1732 2nd November 1866.

9. The Site was described in the local commissioners Report; it has been found that the conformation of the surface prevents water from resting on any portion of the Site and the surface drainage can be carried off rapidly by the weep holes provided for it in the outer wall of the enclosure, if the vents themselves are kept clear and the leading channels from them are free from obstructions; Surface drainage is not therefore required; while nature has provided for Sub Soil drainage, through the layer of Gravel which lies between the solid rock and the surface Soil, in a manner which scarcely could hardly improve upon.

10. Owing to the configuration of the Ground it would not be possible to collect the rain fall from the roofs and to convey it to one Filter or Cistern without laying down a large number of pipes & then pumping the water to the surface at a considerable cost & as there is reason to believe that the water-supply provided by the Wells will be sufficient for all purposes it is not proposed to collect & Store water from the roofs of the Buildings.

I have the honor to be
Sir
Your most obedient Servant

H. T. Dashwood Captain R.E.
Supy. Engineer 6th Division

Madras.

Rupees 4380 were sanctioned for 10 Pardaos

Under G.O. No 972 of 25th March 1868 in the Collectorate Public Works Rs. 4380 is entitled for this work.

Estimate submitted Rs. 4380 is entitled for this work.

This is due to Labour of Brick in Chunam laying & been provided for each Kur at a cost of Rs. 12 per Kur as made under the Articles preparing the Kur on Parade under the Articles preparing the Brick Plan & estimate.

Re-submitted for the Employment

Re-submitted for the Employment

G. O. No. 1537 dated 7th August 1868 Rs. 9030.

No. 1942 dated 17th Rs. 9316 are entitled on the Estimate as the original works cost Rs. 9069.

and Rs. 247 were expended in repairs after the storm in January 1868 by which the Buildings were much injured.

In putting in the comparatively narrow Jail Gates to the various Buildings it was found that owing to the necessity for carefully clearing the Sand, the cost of each stone in Chunam amounted to that for Brick in Chunam and to Brick in Chunam has been allowed in the Estimates but owing to the failure of the supply of Bricks from time to time many of the foundations have been laid in Stone in Chunam.

Supdg Engineer 6th Circle
Trichinopoly 23rd November 1868.

H. P. Harkness Captain RE.
Supdg. Engineer 6th Divn

No. 39

(1)

Copy of Letter No. 1562 Dated 26th February
From
The Superintending Engineer
6th Division
To
The Secretary to Government
P.W. Department

Dated 23rd
Rec'd 26th } November 1868.

No. 892
Enclosure 9
Submits plans and
Estimate amounting to
Rs. 3,76,000 for erecting
Central Jail at Trichinopoly.

Nos 318-4319-12th July 1869

Dec 16th Dec 1868 No. 2[illegible]

Stone Culvert and Rubble Drains &c.
Road Contract No. 2 Between Point Pelee Road
Office Tenders opened 4th Sept 1868 at 10 o'clock
A.M. at Chatham Present Messrs
Longhurst Smith & Co. Mr. Adams
Simpson Talbot Mowbray Pillars
& Mr. Anderson & Engr. Mr. Adams

Conn Pillars	3' × 2'
Rankin Burk	4½' × 15' with foundation
	25' Bank Run Gravel

Engineer's Office
Chatham 23rd November 1868

Enclosure No 3.
To letter No 892 dated
23rd November 1868
From
The Engineer
C. P. Division
To
The Secretary
C. P. Department

P. W. 4624/68
Rec'd 1st Feby 69 No 239.
Explanatory Memorandum.

Specification of the Buildings in the Central Jail at Trichinopoly. In a tabulated form

Buildings	Rooms or Cells	Length	Breadth	Average Height	Doors: Number	Doors: Height	Doors: Width	Windows: Number	Windows: Height	Windows: Width	Ventilation	Nature of Floor	Nature of Roof	Remarks
5 Barracks for Male Prisoners	6	49	18	15	30	8	4	210	5½	4	Ridge Eaves	Asphalted	Teak wood Truss & Palmyra rafters	
1 Do Do	4	49	18	15	11	8	4	28	5½	4	Do	Do	Do	
Quarantine Ward	6	15	16	15	6	8	4	18	5½	4	Do	Do	Do	
Cook Room for do	1	3 4/6	8	9 3/4	.	.		*	.	.	.	Brick in Ch.a	Couple roof	* Honey Comb tile work
Privy	1	2 5½	11	9	1	7	3½	.	.	.	.			
	1	7½	11	9	1	7	3½	*	.	.	.	Asphalted	Do	* Honey Comb tile work
1 Barrack of Terraced wards for Convicts under Sentence of Transportation	11	29	18	15	11	8	4	33	5½	4	Sun wall	Do	Terraced	
Three and half work shed	3½	15½	28	12	.	.		.	.	.	Ridge Eaves	Do and Brick in Ch.a	Teak wood Truss & Palmyra rafters	
General Cooking shed	5	10	14	8	5	7	3½	.	.	.	Do	Bk in Ch.a	Couple roof with Collar pieces	
Solitary Work Shed	20	6½	12½	11 9/4	.	.		.	.	.		Asphalted	Teak wood Truss & Palmyra rafters	
Stores in 2 Blocks	2	50	16	14½	2	6¾	3½	11	4	3			Couple roof	
Office Do	1	24	16	14½	1	6¾	3½	8	4	3		Do	with Collar pieces	
2 Blocks Guard Room	2	29	15	11	3	7	3½	7	5	3				
	1	15	15	11		6	3	3	5	3		Brick in Chunam	Terraced	Verandah on one side 6½ broad with a Bath room at one end Covered with Bengal roof
	1	17½	15	11	.	.		2	5	3				
								1	3	2				
Solitary Cells	20	8	12	11	20	6	3							
Do Closets	20	8	4	7				20	5/6	5/6	Sun wall	asphalted	Terraced	Verandah on one side 3' broad covered with Bengal roof
Juvenile ward	1	49	18	15	1	8	4	7	5½	4	Ridge Eaves	Do	Teak wood Truss & Palmyra rafters	
Do Work shed	1	25	14	11½	.	.		.	.	.		Do	Do	
1 Block Female Wards	3	49	18	15	5	8	4	27	5½	4	Ridge and Eaves	Do	Do	Do	Verandah on one side 10½ broad with a bath room at each end covered with tiled roof
	2	23¾	18	15	2	6	3							
Do Hospitals	1	24	16	12½	1	7	4	4	4	3		Do	Do	Couple roof with Collar pieces Verandah on one side 7½ broad Do Do
Hospitals for Contagious Cases	1	20	16	12½	1	7	4	4	4	3		Do	Do	Do Do
Matrons Quarters	5	8½	13	12⅔	-	-	-	-	-	-				
		12	13	12⅔	2	7	4	-	-	-				
		6½	8½	11	3	6	2⅘	4	4	3		Do	Terraced	Verandah on one side 12' broad covered with Bengal roof
		7	8½	11	-	-	-	-	-	-				
		7½	10	11	-	-	-	-	-	-				
Privy for Do	1	25⅔	11	9	1	7	3½	.	.	.		Do	Couple roof	
	1	7½	11	9	1	7	3	.	.	.				
Latrine		23½	20½	11½	.	.	.	.	.	.		Do	Do with Collar piece	Verandah on both sides 7½ broad covered with tiled roof with outer screen walls 1'x 6'
Watch Tower Hexagonal inner sides		16		38	8	7	4					Br.k Brick in Chunam	Terraced with Bengal terraced roof for 3rd Story	
Outer Sides		27⅔			4	7	4	24	4	3				
1 Block Hospitals	3	48	18	15	-	-	-	-	-	-				
	2	24	18	15	4	7½	4	31	7½	4	Ridge and Eaves	Asphalted	Teak wood Truss with Palmyrah rafters.	
	1	28½	12	11 7/8	2	6¾	3½	1	6¾	3½				
	1	12	9	11 7/8	38	7½	4	5	4	3				
	35 Cells & 2 Verandahs	438	9	11 7/8										
Stores	1	24	16	11	1	6¾	3 9/16	4	4	3	"	Do	Couple roof with Collar pieces.	
Dead House	1	15	12	10	1	6¾	3 9/16	3	4	3	"	Do	Do	
Cooking shed	1	39	9¾	11½	-	-	-	*	-	-		Brick in Ch.a	Do	* Honey Comb tile work
Privy	1	24	12	7	1	7	3½	*	-	-		Asphalted	Do	× Do Do
Bath room	1	32	12	7	1	6	3	4	4	3		Do	Do	
	1	18	18	17½	-	-	-	-	-	-				
Jailors Quarters	2	12	18	12½	10	7½		-	-	-				
	1	12	18	8½	1	7	3½	7	5	3½		Brick in Chunam	Dipped roof	Verandah on one side 13½ broad
	2	12	12	8½	-	-	-	-	-	-				
Cooking shed and Godown	2	10	12	10	2	6	3	3	4	3	Sun roof	Do	Couple roof	
Privy	1	10	8	7½	1	6	3	.	.	.		Asphalted	Do	
Deputy Jailors Quarters	2	15	18	14	4	7½	3½	4	5	3½	Sun wall	Do	Terraced	Verandah on one side 10½ broad
	2	15	9	10	2	7	3½							
Cooking shed and Godown	2	10	12	10	2	6	3	3	4	3	Sun roof	Br.k in Ch.a	Couple roof	
Privy	1	10	8	7½	1	6	3	.	.	.		Asphalted	Do	
House for Native Dresser including	2	12	14	8 3/8	4	5½	3	-	-	-				
	1	16	5	6½	1	5	4½	2	4	3		Brick in Chunam	Do	Verandah on one side 7 broad covered with tiled roof
Cook room &c.a	1	8	5	6½	-	-	-	-	-	-				
Permanent Police Huts	2	12	10	8	-	-	-	-	-	-				
	2	6	4	6½	2	7	3½	2	5	3½		Br.k and Earth	Do	
Do Do for European or East Indian Head	1	12	6	6½	-	-	-	-	-	-				
	2	12	12	11	2	7½	4	2	5	3½	Ridge and Eaves	Brick in Chunam	Do	
Constables	2	5⅜	6	6½	4	6	3	4	4	3				
Cook room and Godowns	1	10	8	7½	-	-	-	-	-	-				
	1	8	6	7½	2	5	2½	2	4	3		Do	Do	

Enclosure No. 2.

In Letter No. 892 dated 23rd November 1868

From The Supg. Engineer
6th Division

To The Secretary to Govt.
P.W. Department

P.W. No. 4624/68
Recd. 1st Feby 1869 Ins. 39.-

Specification of the Buildings in the Central Jail at Trichinopoly

Statement of Accommodation for 1,081 Convicts in the New Central Jail, Trichinopoly

Buildings	Inside dimensions			Number to be lodged in each Cell	Number to be lodged in each Barrack	Total	Superficial Area allowed to each man in Square feet	Cubical Space allowed to each Man
	L.	B.	H.					
5 – Barracks for Male prisoners each consisting of 6 Wards	49	18	16½	21	126	630	42	678
1 – Barrack for Male prisoners consisting of 4 Wards	49	18	16½	21	84	84	42	678
1 – Barrack of 6 Wards (Quarantine)	15	16	16½	6	36	36	40	660
1 – Barrack Consisting of 11 Wards for Transportation Convicts	29	18	15	11	121	121	47	711
1 – Barrack for Juveniles	49	18	16½	21	21	21	42	678
1 – Barrack for Females Consisting of three large & two Small wards	49	18	16½	21	63	63	42	678
	23¾	18	16½	10	20	20	42	705
20 – Solitary Cells	12	8	11	1	20	20	96	1056
Hospital for Males – three rooms each	48	18	18	18	54	54	48	864
——— Do ——— two Special wards	24	18	18	9	18	18	48	864
——— Do ——— Females	24	16	15½	8	8	8	48	744
——— Do ——— Females for Special cases	20	16	15½	6	6	6	53	827
					Total –	1,081		

Supdts Office 6th Dt 4th
January 9th December 68

W. T. Bates Capt. R.E.
Superintending Engineer 6th Dist

Supg Engineers office 6th Divn
Tanjore 9th December 1868

No. 967

From

Captain P. F. Oakes R.E.

Superintending Engineer

6th Division.

To

Colonel C. A. Orr R.E.

Secretary to Government

Public Works Department

Sir,

With reference to your Memo No. 1621 dated 5th Instant I have the honor to enclose a Statement showing the number of Prisoners for whom accommodation is to be provided in the Central Jail at Trichinopoly.

Enclosure 1.

1 Statement

I have the honor to be

Sir

Your Most Obed. Servant

P. F. Oakes Capt. R.E.

Supg. Engineer 6th Division

Enclosure in a letter
from the Supg Engineer
6th Div. No. 967, dated
9th December 1868.

No. 1621/1868

Statement showing the
Nation of Prisoners
in the New Central
Jail Trichinopoly.

	40.

Public Works Department

No 318 3/8

Proceedings of the Madras Government

Under date the 1st July 1869

Read the following Report

From The Chief Secy Engineer & Secy to Govt P.W.D. No 812 dated 23rd November

From The Supdg Engineer S.D. No 967 dated 9th December

Submitting with this letter for submission with his letter for a new contract for a new Central Jail at Trichinopoly with plan for - Trichinopoly with plan for - - warded for the sanction - warded for the sanction of the Govt of India.

To The Chief Engr & Secy to Govt P.W.D.
" Comptr & Audr Genl
" Advocate General
" Judl Secy

Madras 3/8/69

No 319 Dated 3/8/69

The Secretary to the Govt of India.

Sir,

I am directed

&c

P.W.D. Despatch
From Chief Engr & Secy
To The Supdg Engineer
6th Dn

No 4836
Dated 9th December 1868.
Read 12th Decr 1868.

No 967.

Enclosure. 1.

Nos 318-0819 - 1st July 1869

Forwards a Statement showing the numbers of Prisoners for whom accommodation is to be provided in the Central Jail at Trichy

No 40

C. 16th Dec 1868 No. 245

by his Excellency the Govr in Council to forward the accompanying plans, with Estimates amounting in the aggregate to Rs. 3,76,000 for the erection of the Central Jail under construction at Trichinopoly.

It will be observed that, besides providing temporary accommodation for the prisoners employed on the construction of the Jail, the Estimate includes the cost of erecting the undermentioned building-gs with all the requisite Subsidiary

Subsidiary Structures.

Six blocks for males, five of six wards and one of four wards, each ward to contain 21 men ——— 714

One do of eleven wards for convicts undersentence of transportation, each do to contain 11 persons ——— 121

One do of three large and two small wards for females ——— 83

One do of six quarantine wards ——— 36

One do for juveniles ——— 21

One Hospital for males ——— 72

One do for females ——— 14

The expenditure on the work up to the end of the last official year was Rs. 1,28,815, and a sum of Rs. 95,760 has been provided in the current year.

The

The papers which are herewith transmitted, will afford full information regarding the disposition of the several buildings, and I am to request the sanction of the Govt. of India to the estimate.

G. O. No. 156 / 17th Jany. 1867
" " " 621 " 28th Feby. "
" " " 1093 " 9th April "
" " " 3728 " 29th Nov. "
" " " 427 " 7th Feby / 68.

Fort St George
1st Feby 1869

Desp. 2/2/69 with plans, me abstract estimate & copies of Govt. Nos. 156, 621, 1093 & 3728 of 1867, No. 427 of 1868 & No. 318 of 1869.

× Rec'd 6 plans and one estimate with G O No. 2215-15 Sept / 70

e. 16 Dec 1868 R. 245

Govt. of {1869} Madras.

PUBLIC WORKS.

To

The Superintending Engr.

6th Division

Dated

Rcd. Jan.

G. O. (Jail) Lr. dy 1869, No. 318 & 319

Nos. 39 & 42

Central Jail at Trichinopoly. Papers
orders on the estimates amount
of Rs 376,000 for a new Central
Jail at Trichinopoly.

Jail at Trichinopoly Estt.
amounting to Rs 3,76,000
for a new Central Jail at Tri-
chinopoly, forwarded to the
Govt. for sanction.

G.O. No. 2215 - 15 Sept. 1870

e. 16 Dec. 1868 No. 240