M.R.O. 1—77,006—8-6-37.

(1) Number of pages 26

(2) Date of repair 9-8-68

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. 3917 Press / Mis.

196-198

Dated 12 - 12 - 1866.

Not to be folded or roughly handled

Read the following papers:—

No. 196. From the Officiating Superintending Engineer, 8th Division, to the Secretary to Government, Department Public Works, dated Madura, 19th November 1866, No. 1,396.

1 Abstract Estimate.
1 Report.
1 Comparative data.
1 Plan.
1 Old Plan.

1. With reference to G. O. No. 1,996 of the 25th June 1866, I have the honor to submit a revised plan and estimate of Rupees 77,000, for constructing a new Jail at Madura, and also enclose the old plan in order that the alterations may be clearly seen.

Para. 1. Workshop No. 11 being considered superfluous, has been struck out; gates in the palisading at A are omitted, and a short palisade at B is provided, to shut off the convicts from the female ward.

Para. 2. Sun-dried bricks are provided, instead of brick and stone for the outer main wall of the Jail enclosure, for the different latrines, cooking houses, and dead-house: the foundations being of stone in mortar. Considering that the height of the enclosure wall, to be built of raw bricks in clay, is 16 feet, piers of brick in mortar are proposed to be built at intervals of 12 feet.

Para. 3. Palmyrah wood is not obtainable in this district, except at a high price, it would have to be brought from a distance of 40 miles; and it is calculated that the Vengay wood, which is brought in from the neighbouring hills, is cheaper than the Palmyrah. By the enclosed Memorandum of data for roofing, it will be seen that Palmyrah rafters and reepers of 10 feet length, cost Rupees 1-12-0 and Annas 6, while Vengay rafters and reepers will cost Rupees 1-4-0, and Annas 4. But there is also a commoner description of the jungle-wood, which will be used for the rafters, joists, and couples, at the rate of Rupees 2-8-0 per cubic foot, as also for the palisading, while for the trusses and brestsummers; as Teak would come to Rupees 3-11-0 at least, Vengay wood is provided, at the rate of Rupees 3-4-0 per cubic foot. This wood is a species of Teak that is found in the Cumbum valley, and is in common use in Madura, for beams, joists, &c. The cost of the palisading is reduced from Rupees 11,536 in the original estimate to Rupees 7,800.

Para. 4. A mistake was made in entering 1,000 for 11,000 Rupees, as the value of convict labor in the previous estimate; as already reported, and recorded in G. O. No. 2,223 of the 14th July 1866, the calculation of Rupees 11,000 was based on the supposition that the construction of the Jail would occupy three years, the time now allowed is two years, but reduced to eighteen months owing to some months of the official year having elapsed before the commencement of the work; and the number of convicts is estimated at 250, instead of 100, hence there is shown a deduction of Rupees 18,802. I am in hopes that the saving to be effected by the use of the convicts may exceed the sum assigned, but do not venture to enter it so in the estimate; for while we are obtaining good and skilled labor, we also have to put up with men whose labor is of much less value, also as the work progresses and the convicts gain practice it is to be expected that they will turn out a better day's work. The convicts were set to work early in September, to make bricks and

pound chunam, and are being employed in the construction of the buildings as far as is found practicable.

Para. 5. Materials for thatching the mud huts for the convicts were brought in before the building site was obtained, and the Superintendent of the Jail was addressed to obtain skilled labor from other Jails.

Para. 6. Drainage and cleanliness are attended to; the Superintendent of the Jail takes great interest in the work, and gives readily his assistance and advice.

Para. 9. The cells for lepers and lunatics are separated; another well being provided for the former.

Para. 10. The latrines for the women are removed from those of the men, and placed against the enclosure wall, near the female wards, just outside the vegetable garden.

Para. 11. A well is to be dug in the centre of the radial blocks, near the Store and Office, so that the Hospital and garden have each its well apart.

Para. 12. The external wall is carried round the great latrines, the front of which is masked by a palisade.

Para. 13. Ridge ventilation is provided for the work-sheds and latrines, as well as for the wards, and apertures will be made at the ends of the wards for ventilation.

Para. 14. The dead-house is brought within the enclosure, being placed in an isolated position against the enclosure wall near the debtor's ward.

Para. 15. The design for the latrines has been altered: a lean-to shed is now provided, seven and a half feet wide, supported in front by pillars five feet high, so that the interior will be sufficiently protected from rain.

Para. 16. The site near the Dindigul road was obtained on the 12th September, and work commenced at once. It will be remembered that the Act for taking up land had to be enforced, as communicated in G. O. No. 2,829 of the 5th September 1866, and funds have been definitely allotted to the extent of 30,000 Rupees in G. O. No. 3,060 of the 24th September 1866.

Para. 17. From enquiries made amongst the merchants and richer inhabitants at Madura, it is considered that the old Jail buildings at Madura would, if sold by auction, fetch 40,000 to 50,000 Rupees; and one of the merchants is said to have offered Rupees 35,000 down, being willing to rent the buildings to Government till the new Jail is ready for occupation. But as offers are sometimes made liberally and withdrawn when the time comes for backing them up, I am disposed to estimate the sum likely to be realized at about 25,000 Rupees; the total cost to Government then becomes reduced to Rupees 47,000. I am not aware of any public purposes to which these buildings could be usefully applied.

2. I have above detailed the alterations caused by the revision of the original estimate in accordance with the Government Order,* and provision has been made, on Colonel Wilson's proposal,† to add thirty feet to the site. The area of ground required is rather more than seventeen acres, for which the compensation to

* No. 1,996, 25th June 1866.
† Approved in G. O. No. 3,576 of 8th November 1866.

the owner amounts to Rupees 4,260. The Government have now also concurred‡ with the Inspector General as to the inexpediency of erecting buildings against the outer wall; the items of the estimate must, therefore, be altered, so far as concerns paragraphs 10, 12, and 15 of the original Government Order; and as the same objection will hold good with regard to the dead-house, paragraph 14, I propose to keep it in the isolated position near the debtor's ward, but at a distance of twenty feet from the enclosure wall.

‡ No. 1,996.

3. I have mentioned incidentally in a former letter* that I would furnish the estimate, as now prepared, in order that the general altered provisions and general estimated cost with allowance for convict labor may be made known; and I do so, for the further reason that the work is being vigorously carried on, although there are two items not accurately entered, viz., the latrines for both men and women, which I would remove twenty feet from the outer wall, and the Jailer's quarters.

* *Vide* G. O. No. 3,557 of 7th November 1866.

4. An approved standard plan, as built at Chittoor, for latrines, has been circulated† for adoption at Central Jails, and I presume the same design should be followed at the Madura District Jail; likewise a standard plan for Jailer's quarters was furnished with G. O. No. 2,891 of the 10th September 1866. An addition to the general estimate must therefore be made in providing for these alterations.

† G. O. No. 3,467 of 31st October 1866.

Referred to the Judicial Department with reference to the undermentioned Orders of Government:—

Public Works Department, No. 1,996, dated 25th June 1866.
Judicial Department, „ 1,354, „ 29th Aug. „
Do. „ 1,382, „ 4th Sept. „
Do. „ 1,688, „ 24th Oct. „
Do. „ 1,727, „ 1st Nov. „

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

Fort Saint George,
23rd November 1866.

No. 197. Memorandum from the Secretary to Government in the Judicial Department:—

(Here enter No. 384, dated 4th December 1866.)

No. 198. Order thereon, 12th December 1866, No. 3,919.

CIVIL WORKS, No. 41.

1. The Government have no objection to offer to the revised plan and estimate* of the new District Jail at Madura provided that the necessary alterations be made to admit of all the buildings being detached from the outer

* Rupees 72,000.

wall. The standard plans for latrines and Jailer's quarters referred to in paragraph 4 should be adhered to, and the cost of these buildings should be added to the general estimate.

2. His Lordship in Council is glad to learn that the work is being vigorously prosecuted, and he hopes to receive at an early date the final estimate for the Jail.

(True Extract.)

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

To the Superintending Engineer, 8th Division.
With one old Plan, one Specification, and one Comparative data.
,, Controller of Public Works Accounts
,, Judicial Department.

Exd. S. T. Augustin.

Abstract Estimate of 1866. 67

District Madura

Work Constructing a Jail at Madura.

Quantities	Description of work	Rate	Amount	Amount of each part.
	Work Constructing the Enclosure Wall of Jail.			
881 19½/27	Cubic yards of Rough Stone in Chunam at	4	3526 14 2	
3133 5/9	Do Raw Brick in Mud at	1 4	3916 10 8	
900 17/27	Do Brick in Chunam at	5	4500 0 6	
2 3/16	Do Arch work in Chunam at	7 5	14 13 3	
954 15	Square feet Plastering per Square at	3 0	3339 8 4	
6 8/27	Cubic yards of Raw Brick in Mud for Centring at	1 4	7 13 11	
1416 2/3	Do Earth Excavating foundation at	0 1 6	132 13 0	
			15430 9 10	
	Scaffolding and Sundries at about 2 per Cent		311 6 2	
	Rupees		15750 0 0	
	Constructing a Store and Office			
64 8/9	Cubic yards Rough Stone in Chunam at	4	259 0 11	
180 25¾/27	Do Brick in Chunam at	5	904 12 3	
65 19 14/27	Do Terrace and Cornice at	0	525 12 5	
1013¼	Square feet of Flooring with Square Bricks and Brick on Edge underneath per Sqre	13	131 11 7	
6640 3/4	Square feet of Plastering 2 Coats per Sqre at	3	232 6 10	
477 6 4/16	Cubic feet Vaugay wood Wrought & Plain up at	3 4	1551 9 11	
95 9	Square feet of Roofing with rafters, purlins, flat and pan tiles & c Complete per Sqre	25	239 12 0	
	Carried Over		3845 11 11	15750 0 0

	Brought forward		3825	11	11	15750
1	wooden Stair Case	at	90	—	—	90 — —
6	Batten Doors 3 x 6½	at	20	—	—	120 — —
4	Panelled Do 3 x 6½	at	25	—	—	100 — —
8	Venetian windows	at	20	—	—	160 — —
154 7/9	Cubic yards of Earth Excavating foundation	at	—	1	6	12 8 2
						4330 4 1
	Scaffolding and Sundries at about 2 per Cent					89 11 11
	Rupees					4420

Constructing ward No 1

71 2/3	Cyds of Rough Stone in Chunam	at	4	—	—	286 10 8
205 43/216	Do Brick in Chunam	at	5	—	—	1025 15 11
3 5/9	Do Flat arch work in Do	at	7	5	—	26 — —
7093 3/4	Square feet Plastering 2 Coats per Sq.	at	3	8	—	240 4 6
1764	Do Flooring with Square Bricks on Edge underneath per Square	at	13	—	—	229 5 —
156 2425/2448	Cft. of Vangay wood wrought	at	3	4	—	510 3 6
210 3/8	Do of Jungle Do	at	2	8	—	525 15 —
3690	Square feet of Roofing with flat and pan tiles and Ruperos per Square	at	10	—	—	369 — —
2	Doors with iron bars and find Venetian and Batten Shutters 4 x 8 Each	at	70	—	—	140 — —
14	windows Do Do 4 x 8	at	68	—	—	952 — —
129 1/2	Cubic yards of Earth Excavating foundation	at	—	16	12	2 3
						4325 8 10
	Scaffolding and Sundries at about 2 per Cent					84 7 2
						4410 — —
2	Similar ones of the Same dimentions Each		4410	—	—	8820 — —
	Rupees					13230

Constructing ward No 4

76 7/16	Cyds of Rough Stone in Chunam	at	4	—	—	305 8 10
221 2/3	Do Brick in Chunam	at	5	—	—	1108 5 4
3 5/9	Do Arch work in Do	at	7	5	—	26 — —
	Carried Over					1439 4 2 33400 — —

	Brought forward		1439	4	2	33400 — —
7673 3/4	Square feet Plastering 2 Coats	at	3	8	—	2608 6
1737	Do Flooring with Square Bricks and Bricks on Edge underneath per Square	at	13	—	—	225 13 —
156 2419/2448	Cubic feet of Vangay wood wrought	at	3	4	—	509 13 —
210 3/8	Cubic feet of Jungle wood	at	2	8	—	525 15 —
3690	Square feet Roofing with ruperos flat and pan tiles &c per Square	at	10	—	—	369 — —
3	Entrance doors with iron bars and Shutters & Batten & Venetian Each 4 x 8	at	70	—	—	210 — —
13	Fixed Doors with iron bars and Shutters & Batten & Venetian Each 4 x 8	at	68	—	—	884 — —
130 1/2	Cyds of Earth Excavating foundation	at	—	1	6	12 15 9
						4446 — 5
	Scaffolding and Sundries at about 2 per Cent					83 15 7
	Rupees					4530 — —

Constructing ward No 5

308 11/16	Cyds of Rough Stone in Chunam	at	4	—	—	1547 1
114 29/54	Do of Brick in Chunam	at	5	—	—	572 10 11
1 7/9	Do of Flat arch work in Chunam	at	7	5	—	13 — —
3970 3/4	Square feet Plastering 2 Coats	at	3	8	—	1394 1
873	Do Flooring Square Bricks and Bricks on Edge underneath per Square	at	13	—	—	1137 10
73 133/144	Cubic feet Vangay wood wrought &c	at	3	4	—	240 7 8
102	Do of Jungle wood Do	at	2	8	—	255 — —
1054	Square feet of Roofing with flat and pan tiles and ruperos &c Complete	at	10	—	—	1056 5
1	Entrance Door with iron bars and ½ Batten and ½ Venetian 4 x 8 Each	at	70	—	—	70 — —
7	Fixed doors with Do Do 4 x 8	at	68	—	—	476 — —
	Carried Over					2219 12 — 37930 — —

Brought forward ——— 2219 12 « 37930

69½ Cyds of Earth Excavating foundation — at « 1 6 6 8 3 / 2226 4 3

Scaffolding and Sundries at about 2 per Cent ——— 43 11 9 ...

Rupees ——— 2270

Constructing Ward No 6

90 5/9 Cyds of Rough Stone in Chunam — at 4 « « 362 3 6

269 51/54 — Do — Brick in Chunam — at 5 « « 1349 11 6

3 1/3 — Do — Flat arch work in Chunam at 7 5 « 24 6 «

8985 3/4 Square feet Plastering 2 Coats — at 3 8 « 314 8 «

1656 — Do — Flooring with Square Bricks and Brick on Edge underneath per Sqr ft 13 « « 215 4 6

156 2119/2448 Cubic feet of Vangay wood wrought at 3 4 « 509 13 «

210 3/8 — Do Common wood — Do — at 2 8 « 525 15 « ...

3690 Square feet Roofing with mpeo, flat and pan tiles &c ——— 10 « « 369 « «

6 Doors with iron bars & Shutters & Battens & Venetian 4 × 8 — at — 70 « « 420 « «

9 Windows — Do — Do 4 × 8 — at 68 « « 612 « «

155 Cubic yards of Earth Excavating foundation « 16 14 8 6

4717 6 «

Scaffolding and Sundries at about 2 per Cent — 92 10 «

Rupees ——— 4810

Constructing Solitary Cells

40 7/12 Cyds of Rough Stone in Chunam — at 4 « « 194 5 4

147 13/108 — Do — Brick in Chunam — at 5 « « 735 9 7

2 2/3 — Do — Flat arch work in Chunam at 7 5 « 19 8 «

4003 1/2 Square feet Plastering 2 Coats of Chun: at 3 8 « 170 4 9

751 1/2 — Do — Flooring with Square Bricks and Brick on Edge underneath per Sqr ft 13 « « 97 11 1

87 579/644 Cubic feet Jungle wood wrought at 2 8 « 219 12 10

765 Square feet of Fenacing per Sqr ft at 25 « « 191 4 «

612 — Do — Roofing with mpeo, flat and pan tiles ——— at 10 « « 61 3 2

6 Doors with iron bars & Battens and Venetian Each 3' × 6½ ——— at 40 « « 240 « «

6 Windows with iron bars 5' × 1½ — at 8 « « 48 « «

105 2/27 Cyds of Earth Excavating foundation at « 16 9 13 7 / 1988 2 4

Scaffolding and Sundries at about 2 per Cent — 41 13 8

Rupees ——— 2030 « «

Constructing work Shed

45 5/9 Cyds Rough Stone in Chunam — at 4 « « 182 3 7

30 7/27 — Do — Brick in Chunam — at 5 « 151 4 9

5 5/63 — Do — Flat arch work in Chunam at 7 5 « 6 6 1

920 Square feet Plastering 2 Coats — at 3 8 « 32 3 2

14 8/9 Cyds of Grawlling ——— at « 12 « 11 2 8

1540 Square yards Roofing with Tails pan tiles per Square — at 3 6 « « 92 6 5

190 5/72 Cubic feet Jungle wood wrought &c at 2 8 « 475 2 9

8 2/2 Cyds of Earth Excavating foundation « 16 7 11 «

958 8 5

Scaffolding and Sundries at about 2 per Cent — 16 7 7

975 « «

Another one of the same Dimension ——— 975 « « 1950 « «

Constructing work Shed back Female ward

45 5/9 Cyds of Rough Stone in Chunam — at 4 « « 182 3 7

30 7/27 — Do — Brick in Chunam — at 5 « « 151 4 9

5 5/63 — Do — Flat arch work in Chunam at 7 5 « 6 6 1

920 Square feet of Plastering 2 Coats per Sqr ft 3 8 « 32 3 2

14 8/9 Cyds of Grawlling ——— at « 12 « 11 2 8

1540 Square yards Roofing with pan tiles and Rails per Square — at 6 « « 92 6 5

190 5/72 Cubic feet — Jungle wood Wrought &c 2 8 « 475 2 9

19 1/3 Cubic yards of Raw Brick in Mud 1 4 « 24 2 8

8 2 — Do — of Earth Excavating foundation « 16 7 11 «

Carried Over ——— 902 11 1 40990 « «

Carried Over — 1505 4 7 54000

Brought forward ——— 902 11 1 40990

Scaffolding and Sundries at about 2 per Cent — 27 4 11

Rupees ——— 1010

Constructing a Cooking Shed attached to the Hospital

17 7/9 Cubic yards of Rough Stone in Chunam — at 4 — 71 19

23 77/100 Do of Brick in Chunam — at 5 — 118 9

45/100 Do Flat arch work in Do — at 7 5 — 3 9

46½ Square feet Honey Comb tile work in Chunam per Sqr 7 — 3 41

920 Sqr feet of Plastering 2 Coats — at 3 0 — 32 32

30 23/24 Cubic feet Jungle wood wrought &c — at 2 0 — 97 64

1 440 Square feet Roofing with pan tiles per Sqr 6 — 26 65

2 204 Square feet Flooring with Square Brick and Curbling with Brick on Edge underneath — per Square — at 13 — 26 64

36 Cyds of Earth Excavating foundation — at 16 3 —

321 7 10

Scaffolding and Sundries at about 2 per Cent — 6 6 2

1 2 Cooking Sheds of the same Dimensions at 390 — 390 —

Rupees ——— 780 —

1170

Constructing Granary

43⅓ Cyds of Rough Stone in Chunam — at 4 — 173 5 4

137 9/9 Do of Brick in Chunam — at 5 — 685 8 10

1 7/10 Do Flat arch work in Chunam — at 7 5 — 10 26

14 45900 Square feet Plastering 2 Coats per Sqr 3 0 — 1604 10

2 1026 Do Flooring with Square Brick with Brick on Edge underneath per Square 13 — 133 61

40 1891 Square feet of Roofing with flat and pan tiles &c — per Square at 10 — 189 17

87 89 11/36 Cubic feet of Vaingay wood wrought &c at 3 4 — 290 3 10

76 91 5/6 Do of Jungle wood — at 3 0 — 299 6

Brought forward ——— 1072 4 4 5 1170 —

1 Batten Door with frames &c Complete 4×4 — 20 — 20 —

7 Windows with Batten Shutters 3×4 — 12 — 84 —

78 Cubic yards of Earth Excavating foundation — 16 7 3 —

1983 9 4

Scaffolding & Sundries at about 2 per Cent — 36 6 0

Rupees ——— 2020 —

Constructing Cooking Shed

51 17/10 Cyds of Rough Stone in Chunam — at 4 — 207 12 5

74 Do Brick in Chunam — at 5 — 370 —

416 Square feet Honey Comb tile work per Sqr 7 — 29 1 11

2703 Do Plastering to 2 Coats per Sqr at 3 0 — 94 9 9

893 Do Flooring Square Bricks with Brick on Edge underneath per Square — 13 — 116 1 5

73 Cubic feet of Vaingay wood wrought &c — at 3 4 — 237 4 —

99 7/8 Do of Common wood — at 2 0 — 249 11 —

1650 Square feet Roofing with rupees Nails. pan tiles &c — at 10 — 165 —

82 2/3 Cyds of Earth — at 16 6 12 —

1476 4 6

Scaffolding and Sundries at about 2 per Cent — 23 11 6

Rupees ——— 1500 —

Constructing Latrine attached to the Jail

67⅓ Cyds Rough Stone in Chunam — at 4 — 269 5 4

28 7/100 Do Brick in Chunam — at 5 — 143 4 7

15 27/27 Do Raw Brick in Mud — at 1 4 — 19 14 6

5/6 Do Arch work in Chunam — at 7 5 — 6 1 6

2949½ Square feet Plastering 2 Coats per Sqr at 3 0 — 102 3 7

329 Do Honey Comb tile work per Sqr at 7 — 23 — 5

207 79/96 Cubic feet wrought Jungle wood — at 2 0 — 719 0 11

2400 Square feet Roofing with rupees Nails per Sqr 7 — 160 — —

25 4/27 Cubic feet Gravel — — 12 — 40 13 9

230 Lft feet Palisading per 10 Lft feet 5 — 115 — —

	Brought forward				52695
122 ½	Cyds Earth Excavating foundation	at	1 6	11 79	
				1596 12 4	
	Scaffolding &c and Sundries at about 2 per Cent			28 3 8	
	Rupees				1625
	Constructing Women's Latrine				
22	Cubic yards of Rough Stone in Chunam	at	4	88	
12 8/27	Do Brick in Chunam	at	5	61 7 5	
6 29/54	Do Raw Brick in Mud	at	1 4	9 4	
5/12	Do Arch work in Chunam	at	7 5	3 9	
74	Square feet Stone Coubtibs per Square	at	7	5 2 10	
690 ¼	Do Plastering per Square	at	3 8	24 7	
70 7/9	Cubic feet of Common wood wrought	at	2 8	175 4 7	
612	Square feet Roofing with rafters, Rails and pan tiles	per Sqr	7	42 13 5	
83	Lft feet of Paliseding per 10 Lft feet		5	41 8	
5 97/100	Cubic Yards of Gravel	at	12	4 6 10	
40 ½	Do Earth Excavating foundation	at	16	3 12 2	
				450 15 4	
	Scaffolding and Sundries at about 2 per Cent			11 8	
	Rupees				470
	Constructing Hospital attached to the Jail				
117 11/12	Cyds of Rough Stone in Chunam	at	4	471 10 8	
365 6/16/27	Do Brick in Chunam	at	5	1826 1 11	
4 7/12	Do Flat arch work in Do	at	7 5	33 8 3	
9269	Square feet Plastering 2 Coats	at	3 8	324 6 8	
166	Cubic feet of Vaugay wood wrought	at	3 4	539 8	
300 13/16	Do of Jungle wood	at	2 8	772 6	
2265 ¼	Square feet Flooring with Square Brick and Brick on Edge underneath per Sqr	at	13	294 7 9	
4324	Square feet of Roofing with rafters flat and pan tiles, Rails &c Complete per Square	at	10	432 6 5	
	Carried Over			4694 2 2	56705

	Brought forward			4694 2 2	56705
6	Doors 4 x 8 with iron bars including ½ Battens & ½ Venetian Shutters &c Complete	at	70	420	
1	Door Batten Complete	at	20	20	
4	Windows 3' x 4'	at	30	120	
10	Fixed windows with iron bars and Shutters &c Complete	at	60	600	
199 ¼	Cyds Earth Excavating foundation	at	16	18 10 10	
				5952 13	
	Scaffolding and Sundries at about 2 per Cent			117 3	
	Rupees				6070
	Constructing Lunatic Cells attached to the Hospital				
16 8/9	Cubic yards of Rough Stone in Chunam	at	4	67 8 10	
39 429/1728	Do Brick in Chunam	at	5	199 3 1	
26 31/64/27	Do Flat arch work in Chunam	at	7 5	7 2 10	
14 24 7/8	Square feet Plastering with 2 Coats per Sqr	at	3 8	49 13 11	
125 3/4	Do Flooring with Square Bricks and Brick on Edge underneath per Sqr	at	13	16 5 7	
16 400/676	Cubic feet of Common wood wrought		2 8	41 11 9	
150	Square feet Terracing with Brick on Edge 2 Courses of flat tile and plastering to the Ceiling and top of the terrace &c Complete per Square	at	25	37 8	
120	Square feet of Roofing, Rails flat and pan tiles &c Complete	at	6	7 3 2	
32 4/27	Cyds of Earth Excavating foundation at		16	3 3	
1	Door Each 3 x 6 ½ iron barred with Shutters &c Complete Each		40	40	
	Carried Over			469 9 5	62,855

Brought forward ——— 469 9 5 62055

1 Window iron Barred 5 x 1¼ Each at 8 .. 8 ..

477 9 5

Scaffolding and Sundries at about 2 per Cent —— 7 6 7

Rupees ——— 485 ..

1 Another Lepper Cell of the Same Size 485 .. 485 ..

970

Constructing Labour attached to the Hospital

30 ½ Cyds of Rough Stone in Chunam at 4 .. 122 ..

20 6 13/32 / 27 Do Brick in Chunam ——— at 5 .. 141 2 11

10 6/6 Do Raw Brick in Mud ——— at 1 4 .. 12 11 4

6 5/63 Do Flat arch work in Chunam purga at 7 5 .. 6 6 1

72 Square feet Honeycomb work 1 Br. at 7 .. .. 5 0 8

15 16 3/4 Do Plastering 2 Coats per Sqre at 3 8 .. 53 1 5

51 5/6 Cubic feet Jungle wood brought &c at 2 8 .. 129 9 4

600 Square feet Roofing rafters Rails and Pantiles &c purga at 7 .. .. 42 .. ..

5 10/27 Cyds Earth for flooring ——— at .. 12 .. 4 4 ..

50 6/27 Do Earth Excavating foundation at .. 16 .. 4 11 4

520 15 1

Scaffolding and Sundries at about 2 per Cent —— 9 .. 11

Rupees ——— 530

Constructing Palisading

2000 Lft feet of Palisading (Pattern 10) —— at 32 .. 640 9 7

350 Do ——— Do —— (Pattern 10) —— at 20 .. .. 700 .. ..

55 Cubic feet brought Vangayawood —— at 3 4 .. 178 12 ..

9 Gates Single 6 feet Each ——— 30 .. .. 270 .. ..

2 Double —— 10 feet Each ——— 45 .. .. 90 .. ..

7680 5 7

Sundries at about 2 per Cent ——— 151 10 5

Rupees ——— 7000

Brought forward ——— 72155 .. ..

8

Constructing a Well with Cisterns Complete

29 22/27 Cyds of Well Brick in Chunam and filling in rear with a Mixture of Clay and Broken Bricks Sinking &c Complete at 10 .. .. 298 2 4

10 5/6 / 63 Do Brick in Chunam ——— at 5 .. .. 54 7 1

715 6/7 Square feet Plastering ——— at 3 8 .. 25 1 4

6 31/36 Cubic feet of Vangayawood brought ——— at 3 4 .. 22 4 9

5 30 2/3 Cyds Excavating Well ——— at .. 2 .. 66 5 4

2 Buckets ——— at 2 .. .. 4 .. ..

1 Wheel ——— at 5 .. .. 5 .. ..

475 4 10

Sundries ——— 24 11 2

Rupees ——— 500 .. ..

2 Similar Wells of the Same dimentions 500 .. .. 1000 .. .. 1500 .. ..

Constructing a Small Well

15 20/27 Cyds of Well Brick in Chunam and filling in rear with a Mixture of Clay and Broken Bricks &c Complete at 10 .. .. 157 .. ..

1 15 1/2 / 27 Do Brick in Chunam ——— at 5 .. .. 7 13 11

106 1/4 Square feet Plastering per Square at 3 8 .. 3 11 6

236 Cyds Earth ——— at .. 2 .. 29 8 ..

190 1 5

Sundries ——— 11 14 7

Rupees ——— 210 .. ..

Constructing Dead Hover

10 5/12 Cyds of Rough Stone in Chunam at 4 .. .. 41 10 8

17 5/54 Do of Brick in Chunam —— at 5 .. .. 85 7 4

1/3 Do Flat arch work ——— at 7 5 .. 2 7 ..

601 Square feet Plastering 2 Coats —— at 3 8 .. 21 .. 6

Carried Over ——— 150 9 6 73865 .. ..

	Brought forward			150	9 6	73865
141 3/8	Square feet Flooring with Square Brick and Brick on Edge underneath per Square		13		18 6	
30 35/40	Cubic feet of Common wood wrought at		2 8		76 13 2	
252	Square feet Roofing with rafters, laths and pan tiles		7		17 10 2	
19	Cyds Earth Excavating foundation at			1 6	1 12 6	
2	Doors 3' x 5 1/2 Batten Complete		15		30	
					295 3 4	
	Scaffolding and Sundries at about 2 per Cent				4 12 8	
	Rupees					300

Constructing the Entrance Gate of the Jail

36 13/16	Cubic feet of Sangay wood	at	3 8	120 8 5	
11 5/8 / 27	Cyds of Cut Stone in Chunam	at	12	5 2 8	
2	Bolts Large	Each	4	8	
2	Do Small for Wicket door	Each	2	4	
4	Large Clamps	Each	2 8	10	
2	Small Do	Each	1 8	3	
2	Do Do for Wicket Door	Each	1 8	3	
4	Hinges Large	Each	1 8	6	
2	Do Small	Each	1	2	
2	Do Small for Wicket Door	Each	12	1 8	
2	Wheels to work upon	Each	2 8	5	
30	Nails and Nuts	Each	4	7 8	
2	Pad locks Large for Gate	Each	5	10	
2	Do Small for Wicket Gate	Each	3	6	
4	Iron		1 8	6	
				205 11 1	
	Sundries			9 4 11	
	Rupees				215

	Brought forward				74360

Constructing Jailors House and Guards Room

100 11 1/2 / 27	Cyds Rough Stone in Chunam	at	4	402 2 4	
290 10 33/64 / 27	Do Brick in Chunam	at	5	1453 7 2	
56 10 1/2 / 27	Do of Terracing with Brick in Chunam	at	8	451 7	
1517	Square feet Flooring Square Bricks and Brick on Edge underneath per Square	at	13	197 3 4	
2606 1/2	Square feet Plastering per Square	at	3 8	441 3 7	
156 3/8	Cubic feet Sangay wood wrought &c	at	3 4	500 3 6	
117 2 1/4 / 16	Do Common wood Do	at	2 8	292 13 9	
830	Square feet of Roofing with rafters, rafters Rails, flat and pan tiles &c Complete		25	207 8	
8	Panelled Doors 4' x 6 1/2'	at	30	240	
3	Do Do 3 x 6 1/2	at	25	75	
4	Windows with iron bars	at	30	120	
4	Windows	at	15	60	
3	Do	at	10	30	
137 1 1/2 / 27	Cyds of Earth Excavating	at	1 6	12 13 7	
				4491 7 10	
	Scaffolding and Sundries at about 2 per Cent			100 8 2	
	Rupees				4600

Constructing Cooking Shed for Jailors Quarters

20 5/6	Cyds Rough Stone in Chunam	at	4	83 5 4	
20 5/36	Do Brick in Chunam	at	5	140 11 1	
1/3	Do Flat arch work in Chunam	at	7 5	2 7	
46 1/2	Square ft Honey Comb tile work per Sqr	at	7	3 4 1	
1048 1/2	Do Plastering 2 Coats Do		3 8	36 11 2	
32 17/24	Cubic feet Common wood wrought	at	2 8	81 12 4	
440	Square feet Roofing with pan tiles and rafters &c		7	30 12	
106	Square feet Flooring with Brick on Edge Square Bricks per Square	at	13	24 2 11	
2	Doors Battens 3 x 6 1/2 Each	at	20	40	

	Brought forward		443	1	11	78.900 - -
37½	Cyds Earth Excavating foundation at -	1	6	3	8	3
				446	10	2
	Scaffolding and Sundries			8	5	10
	Rupees					455 - -
						79.435 - -
24738	Cyds of Earth Raising Levelling portions of Site and Cutting drainage Channels at -	1	6			2319 3 -
						81,754 3 -
	Contingencies at about 5 per Cent					4087 - -
	Compensation 17 acres and 1760 Square feet of Poyal Land for Site at 250 Rs per acre					4260 1 6
						90,101 4 6
	Deduct for Convict Labor					
200	Convicts for 475 days per diem at -	-	2	8	15833	5 4
50	Do for 475 - Do - Do at -	-	2	-	2960	12 -
						18802 1 4
						71.299 3 2
	Approaches. Culverts &c. to Jail from Dindigul Road					700 12 10
	Total Estimate Rupees					72.000 - -

I do hereby Certify that the above Estimate for Constructing a Jail at Madura amounting to Rupees Seventy Two Thousand provides for every thing necessary and that no Supplementary works will afterwards be required.

A. Cleghorn
Sub Engineer in charge of
1st Range

Chas Simmonds
Executive Engineer
1st Range

1st Range Office
Madurai
5th November 1866
J. R. Sarkaguir Rov

10

Enclosure 1 in w.l. letter
from the Offg. Supdt. Engr.
8th Division, dated 19th Novr.
1866.—

No. 1396

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

4940
P.W. 1866

Recd. 12th December 1866 No. 1396

No. 2 1866-67.

District Madura

Abstract Estimate for
Constructing a Jail
at Madura

Rupees 72,000 "-

In P.W. No. 2631/66

Superintending Engineer's Office
Madura 19th November 1866.

No. 1396

From
Captain H. S. Prendergast R.E.
Offg. Superintending Engineer 8th Division

To
Colonel C. A. Orr R.E.
Secretary to Government P.D. P.W.

Sir,

With reference to C.O. No. 1996 of the 25th June 1866, I have the honor to submit a revised Plan and Estimate of Rupees 72,000 for Constructing a new Jail at Madura and also enclose the Old Plan in order that the alterations may be clearly seen.

Para 1. The Workshop No. 11 being considered superfluous, has been struck out, & gates in the palisading at A are omitted; and a short palisade at B is provided, to shut off the Convicts from the female ward.

Para 2. Hundred bricks are provided, & a load of brick and stone for the outer main wall of the Jail enclosure; for the different Sheds, Cookinghouses, and Dead houses; the foundations being of Stone in mortar &c. Considering the height of the enclosure wall, to be built of pucka bricks in clay is

16

Encls— 5
1 Abstract Estimate.
1 Report.
1 Comparative data.
1 Plan.
1 Old Plan.

16 feet; piers of brick in mortar are proposed to be built at intervals of 12 feet. —

Para 3. Palmyra wood is not obtainable in this District, except at a high price, it would have to be brought from a distance of 110 miles: and it is calculated that the Vengay wood, which is brought in from the neighbouring hills is cheaper than the Palmyra: by the enclosed Memo of data for roofing, it will be seen that Palmira rafters and reepers of 10 feet length, cost Rupees 1–12– and Annas 6. while Vengay rafters and reepers will cost Rupees 1–1, and Annas 11. But there is also a Common description of the Jungle wood, which will be used for the rafters, joists, and Couples, at the rate of Rupees 2–8–0 per Cubic foot; as also for the paliseading: while for the trusses and breast-Summers, sal teak would come to Rupees 3–11–0, at least Vangay wood is provided, at the rate of Rupees 3–4–0 per Cubic foot. This wood is a species of teak, that is found in the Cumbum valley, and is in Common use in Madura, for beams, joists &c. The Cost of the paliseading is reduced from Rupees 11.536 in the original estimate to Rupees 7.800. —

Para 4. a mistake was made in entering 1.000 for 11.000 Rupees, as the value of Convict labor in the previous estimate; as already stated, and recorded in G.O. No 2027, of the 11th July 1861: the Calculation of Rupees 11.000 was based on the supposition that the Construction of the Jail would occupy 2 years. the time allowed is 2 years; but reduced to 18. M. the owing to seven months of the Official year having elapsed before the Commencement of the work: and the number of Convicts is limited to 200, instead of 100 hence there is therefore a deduction of Rs 18.862– to be made from the Estimate. the saving to be effected by the use of the Convict labor cannot exceed the sum assigned, but it may be better to enter it so in the estimate for it is not known obtaining good and skilled labor, would have to put up with men whose labor would be of less value; also as the work labor is supposed to be executed by Convicts the progress and the Convicts year practice it is to be expected that they will turn out a better class work. The Convicts were set to work early in October, to make bricks, and for all Clearance, and are being employed in the Construction of the buildings, as far as is found practicable. —

Para 5. Materials for thatching the mud huts for the Convicts, were brought in before the building Contract was obtained, and the Superintendent of the Jail was addressed to

to obtain skilled labor from those parts.

Para 6. Drainage and sanitation are attended to: the Superintendent of the Jail takes great interest in the work; and gives readily his assistance and advice.

Para 9. The Cells for Solitary and Punishment are separated, another will be provided for the former.

Para 10. The Latrines for the women are removed from those for the men, and placed against the enclosure wall, near the Female Wards, just outside the Vegetable garden.

Para 11. A well is to be dug at the East of the radial block, near the Store & Office, so that the Jail, and wards have each their own water supply.

Para 12. The external wall is round round the present Latrines, but part of it is unsafe and is pulled down.

Para 13. Bids are called for the work to be done, estimates are prepared for the Wards and Departments, and work at the ends of the wards for sanitation.

Para 14. Effluent drains are found for the enclosure, being found to run East & West, against the enclosure wall, near the Female Wards.

Para 15. Estimates for the Latrines

13

from the Jail yard under sufficient cover by Jail officers & Jail Guard; & that the interior will be sufficiently protected from rain.—

Para 16. It is to be noted that the Principal road was changed on the 12th September, and most Commend afforded.—

It will be remembered that the Act for Jail improvement was passed in the year 1864, and commenced on G.O. No: 2829 of the 6th September 1866, and funds have been definitely allotted to the tune of Rs: 30.000 Rupees in G.O. No: 2360 of the 24th September 1866.

Para 17. Various enquiries made among the most intelligent native inhabitants of Madura, it is considered that the old Jail buildings at Madura would, if sold to advantage, fetch Rs: 50 to 60 Thousand Rupees; and one of the merchants is ready to offer Rupees 35,000 down, being willing to erect the buildings to Government, but the Jail is ready for occupation. Rent is sometimes made liberally, and will be found about the time Comes for building New Jail. Some disposal to estimate of the sum likely to be realized, at about 25 Thousand Rupees the total cost to Government.

Government there become reduced to Rs 17,000 - I am not aware of any Public purposes to which these buildings could be usefully applied. —

2. I have above detailed the alterations caused by the provisions of the foregoing estimate in accordance with the Government Order; and provision has been made, per Colonel Wilsons proposals, to add 20 feet to the sides. The area of ground required is rather more than 17 acres for which the Government to the owners amounts to Rupees [illegible]

The Government have made the Concerned with the Inspector General, as to the [illegible] of erecting buildings against the outer walls; the sites of the existing must therefore be altered, so far as concerns paras 10, 11 and 15 of the foregoing Government Order and the Inspr's objections will hold good with regard to the Dead Room, from the proposed to keep it. the erected further near the Debtors room, but later than 20 feet from the outer wall.

3. I have not found it necessary in my former letter, that I should for the the estimate was now forwarded, in order that

4. [illegible] all old Barracks, and generally all old [illegible] with the exception of [illegible] be made known, and I do so, for the information that the work is being [illegible] carried out, although there are [illegible] I recommend [illegible] that [illegible] for the Hall round the Court, which [illegible] 20 feet from the outer wall; and the Debtors Quarters.

5. The Hall and Standard Measures, as built [illegible] Chillers for Cartmen, Lumber Carriers [illegible] for other Petty Cases, and I followed the Northern District Jails, [illegible] Standard Measure Jails Quarters, [illegible] was for which Rs 2891 of the 16th October 1860 - the additions to the general estimate must therefore be [illegible] for these alterations. —

I have &c

Lieutenant Colonel &c.

Offg Superintending Engineer &c.

Public Works Department.

No 1396

Memorandum.

Referred to the Judicial Department with reference to the undermentioned orders of Government.

P.W.D. No 1996 d/ 25th June/66
Jud. Dep. -- 1354 d/ 29th August/66
-"- -- 1392 -- 4th Sept./66
-"- -- 1680 -- 24th October/66
-"- -- 1727 -- 1st Nov./66

Colonel R.E.
& Secretary
23rd Nov/66.

To the Chief Secretary
to Government

No 196

In returning Captain [illegible]'s letter of the 19th November the Chief Secretary has the honour to inform Colonel [illegible] that he has no objection to [illegible] submitting plan & estimate for the [illegible] and Collectorate Buildings at Madura, but the Officiating Superintendent of Police is requested to submit the plan & estimate for the Police Buildings at Madura, as required by the Rules laid down in the Public Works Department Code.

By order &c.
[illegible]
Chief Secretary.

To The Secretary to Government
Judicial Department.

Sir,

I am directed to acknowledge the receipt of your letter No 1396 dated 23rd November 1866, and to request that you will be pleased to submit the plan & estimate for the Police Buildings at Madura, as required by the Rules laid down in the Public Works Department Code.

I have the honor to be
Sir
Your most obedient
Servant
[illegible]
Colonel R.E.
Secretary to Government

From Lt. Col. [illegible]
Secretary to Govt.
Public Works Dept.
Dated 23rd November 1866.
Received 26th do
Answered 3 Dec.
No 2631

Submits for Sanction Revised Plan & Estimate for a New Jail at Madura with the necessary Explanation

No 3919 - 12th Dec. 66

To The Offg. Supt. Engr.
2nd Division

To The Secy. to Govt.
Jud. Dept.

Ans. 5th
Rec'd

Dated 19th November/66
Rec'd 23rd do
Ans. 3 Dec.
No 2631

Submits for Sanction Revised Plan & Estimate for a New Jail at Madura with the necessary Explanation

No 3919 - 12th Dec. 66

Public Works Department.

No 3919

PROCEEDINGS of the MADRAS GOVERNMENT

Under date the 12th December 1866

Read the following

From

The Chief Engineer
of the 5th Division

" The Secretary to Government
in the Judicial Dept

(Here enter No. 1396 dated 19th August 1866)

(— " — No 2541 — " — 4th Dec. 1866)

The Government have
much pleasure in assenting to offer to the
revised plan and estimate of
the new District Jail at Madura
provided that the necessary al-
terations be made to admit of all the
buildings being detached from
the outer wall - The Standard
plans for Latrines and Jailors'
Quarters referred to in Para
6 above be adhered to,
and the cost of these buildings
~~and the alteration thereto~~
~~arrangements will involve~~ shall
be added to the general estimate
~~be made~~ to the general estimate.

His Lordship in Council
is glad to learn that the work

N.

JPs

WM

Dec 20th June 1866 No 573 - 582
" 11 July " 320 - 321
" 5 Sept " 116 - 117
" 18th " 243 - 244
" 25th " 396 - 398
" 31st Oct " 713 - 714
" 7th Nov " 151 - 157 - 190 - 191

P W 1866 Dept

No 4940.

Memo:

From Secy to Govt
in the Jud Dept

Secy to Govt in the Jud Dept

Chief Engr 5th Divn No 384.

Copy

Intimating that
there is no objection to the
Estimate for the new Dist
Jail at Madura, & that
the Plan should be altered
so as to admit of all
buildings being de-
tached from the outer
wall -

No 197

No 3919 - 12 - Dec - 66

is being vigorously prosecuted and he hopes to receive at an early date the final estimate for the Jail.—

P. W. 186 . Department.

No.

PROCEEDINGS OF GOVERNMENT.

Dated

17

Ap 196 @ 198

To

The D E S Dn with one dd plan, one specfin, & one Contractor

Comparative data

Ap 12/19 Gr

P W 1866 Despatch

Pos: of Govt for Deer

for 3919

for the Madras Govt

for 12" Deer/16.

The revised plan and
Estimate (Rupees 72000) for this
(District) at Madura ap-
proved and the final sa-
tenale for the work called
for.

for 196 @ 198.