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# MADRAS RECORD OFFICE.

Government of Madras.

*Public Works* DEPARTMENT.

|          |      |      |       |
|----------|------|------|-------|
| G.O. No. | 753  | IN 1 | Press |
|          |      |      | Mis.  |
| Dated    | 20-7 | 1877 |       |

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.

20th September 1877, No. 753 W.

Buildings and Roads.  
Civil Works.

Read the following papers:—

- No. 145. From the Dist. Engr., Vizagapatam, dated 22nd June 1877, No. 632.  
No. 145-A. Chief Engineer's Memorandum, dated 9th August 1877, No. 2,237.  
No. 145-B. From the Dist. Engr., Vizagapatam, dated 28th August 1877, No. 1,238.

No. 146. ORDER THEREON, 20th September 1877, No. 753 W.

THE plans and estimate of Rupees 23,300, for alterations and additions to the Zillah Jail at Vizagapatam, are sanctioned.

2. In paragraph 4 of his letter recorded with Proceedings in the Judicial Department, No. 997, dated 20th April 1877, the Inspector-General of Jails points out that the plan of the building does not show where it is proposed to construct the observation block and wards for prisoners under trial, and in paragraph 3 of his letter, No. 632, dated 22nd June 1877, the District Engineer requests instructions on this point. The Inspector-General of Jails will arrange for having the site selected.

3. It is observed that Rupees 16,000 have been appropriated to this work in the Special Fund Budget of 1877-78.

4. The sanction accorded in these Proceedings has been registered as Special No. 60 B of 1877-78.

(True Extract.)

Colonel, R.E.,  
Secretary to Government, P.W.D.

To the District Engineer, Vizagapatam.  
" Examiner of Public Works Accounts.  
" Inspector-General of Jails.  
" Judicial Department.

Exd. E. C. Shunker.  
Spare Copies

Revised Abstract Estimate No 220

Talug - Viragapatam

District - Viragapatam

Work.

Alterations and additions to the Zillah Jail at Viragapatam.

| Quantity           | Particulars of work                                                                                                                                | Rate | Per Item | Amount | Total   |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------|---------|
|                    | Adding a verandah to the Build-<br>ing marked A. on plan                                                                                           |      |          |        |         |
| 22 $\frac{16}{27}$ | Cyds. of Rough stone in chunam                                                                                                                     | 1    | 12       | 92     | 39 87 ✓ |
| 4.92               | Sqrs. of Flooring with cut stone slabs<br>laid in parallel courses and pointed<br>with Chunam                                                      | 11   |          | 54     | 111 ✓   |
| 1.95               | Sqrs. of Plastering with 2 coats of Chunam<br>and whitewashing                                                                                     | 2    | 6        | 20     | 4 10 ✓  |
| 26.15              | Cft. of Shalwood wrought & put up                                                                                                                  | 2    | 8        | 64     | 6 ✓     |
| 8.70               | Sqrs. of Bengal terracing with Saul<br>wood rafters 3x5, rafters 2x2 nails<br>three courses of flat tiles and 2 coats<br>of plastering &c complete | 30   |          | 261    | " ✓     |
|                    | Excavating foundations and filling<br>in basement                                                                                                  | "    | "        | "      | 2 " ✓   |
| 2                  | Breaking openings in wall and<br>fixing new doors including arch<br>work &c complete                                                               | 4    |          | 8      | " ✓     |
| 2                  | Iron barred door with teak wood<br>latten shutters, frames, iron fixtures<br>&c complete inside dimensions 3 $\frac{1}{2}$ x 6 $\frac{1}{2}$       | 56   |          | 112    | " ✓     |
| 1                  | Fixed iron grating to the door leading<br>into the store room, inside dimensions<br>4 x 8                                                          | 64   |          | 64     | " ✓     |
|                    |                                                                                                                                                    |      |          |        | 616 107 |



3 Iron barred windows with teak  
wood, latten shutters and iron  
fixtures &c complete inside lining  
dimensions  $2\frac{1}{2} \times 4\frac{1}{2}$  } 28' 4" do 8' 4" 12' 4"

1 Paul wood Truss with tie beam  
principal rafters, struts and an  
iron king post in the centre & u  
completed. 40 " 20 40 "

3 Cat stone pillars with Chumantapula  
7<sup>th</sup> Complete. } 8 - - 20 24 - -

1. Leak Wood Tub for night convenience  
well tanned 5 - - - 5 - - -

Excavating foundation and filling  
in Casement } " " " 8 " "

City Supervisors \_\_\_\_\_ 839 10-1  
6 - Cont. 839 10-1

|               |   |    |     |    |
|---------------|---|----|-----|----|
| Contingencies | 1 | 00 | 8   | 90 |
|               | 8 | 80 | 100 | 00 |

404  
Total Pages. 400

Constructing a female ward marked  
D. on plan.

$19\frac{1}{4}$  Cys. of Rough Stone in chunam —  
 $3\frac{1}{4}$  " of Arch work Brick in chunam  
 $10\frac{7}{8}$  " of B. /

12. of 208 "

$10 \frac{11}{72}$  20 of Brick in chumant 4 12- 20 208 11 -  
 $36 \cdot 18 \frac{1}{3}$  1/2 of Brick in chumant 15 7 -

36.18  $\frac{1}{3}$  Sq<sup>rs</sup> of Plastering with 2 Coats of  
Chunam 2.14. 157. 29 61

793 Chunam and white washed  
Laps. of 20

793 Laps of flooring with cut stone. 26. 27. 85 49.

Rain in parallel courses and  
prompts with

0.36 Sq. of flooring with Churnam - 11 .. 20 2/27

1.34 Sq. of flooring with asphalt 3/4" laid on a bed of 1/2" sand

of concrete 6 days } 27 - 28 9 ab

47.74  
13.13½

|                                                                                                                                                                                                                                                            |                       |                          |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|------------------------------|
| <p> Cft. of Saul wood wrought &amp; put up<br/> Sgrs. of Roofing with Saul wood rafters<br/> <math>2\frac{1}{2} \times 2\frac{1}{2}</math> rafters <math>2 \times \frac{1}{2}</math> nails flat<br/> and pant tiles, Chunam borders<br/> you complete </p> | <p> 2. 8<br/> 25 </p> | <p> Cft.<br/> Sgrs. </p> | <p> 119. 57<br/> 328. 6 </p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|------------------------------|

|       |                                                                                                                                                       |    |    |   |     |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|---|-----|
| 0.514 | Spr. of Terrace with brick on edge 3 jelly and<br>3 courses of flat tiles with 3 coats of plaster<br>to top of terrace and 2 coats plaster to ceiling | 18 | 00 | 9 | 116 |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|---|-----|

|                    |                                                             |    |    |      |
|--------------------|-------------------------------------------------------------|----|----|------|
| 0.17 $\frac{3}{8}$ | Eq. of asphalt $\frac{1}{2}$ " thick over the dry car stone | 24 | 20 | 4 28 |
| 1                  | Iron banded door to open inside, and a teak                 |    |    |      |

1 Iron banded door to open inside, and a teak wood half batten and half venetian door to open outside with fixed iron banded vent-lator at top of door and a batten shutter to open outside with a rope &c complete

4. Iron barred window with teak wood shutter, frames, iron fixtures & complete inside dimensions  $2\frac{1}{2} \times 4\frac{1}{2}$  } 25 4 80 48

4 From barred ventilator to woods with leak  
wood frames, complete, inside dimensions  
24" x 14" } 78.00 38.00

do do do talabine  $5\frac{1}{2} \times \frac{1}{2}$

$\frac{1}{2} \times 2 = 1$

2 Paul work Truss with the beam principal  
rafters, struts, and an iron King post rod } 40 . . . 20 . . . 80 . . .  
in the centre & complete

|   |                                          |   |    |    |   |
|---|------------------------------------------|---|----|----|---|
| 4 | Carstone pillars with chunam capitals 92 | 8 | 00 | 32 | ✓ |
|   | Complete                                 |   |    |    |   |

|                                               |    |    |
|-----------------------------------------------|----|----|
| Excavating foundation and filling in basement | 8  | ✓  |
| Sealing the vent holes of the night recesses  | 14 | 20 |
|                                               | 8  | ✓  |

with 2 coats of coal tar

1828  
1828

Q.D. 1828

|                                                                                                                                                                                                                                                             |    |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-----|------|
| 1 Removing the present iron barred window between the old and proposed wards & blocking it up with rough stone in chunam and plastering with 2 coats of chunam                                                                                              | 3  | each | 3   |      |
| 3 Breaking 3 openings at the back wall of the large ward and fixing 3 new windows including arch work, plastering the sides                                                                                                                                 | 4  | do   | 12  |      |
| 2 Removing the 2 side iron barred doors and blocking 2 feet up at bottom with rough stone in chunam and plastering the sides and fixing 2 new windows                                                                                                       | 3  | do   | 6   |      |
| 2 Removing the centre iron barred doors of the large ward, and another in the small ward and fixing new doors including arch work and plastering                                                                                                            | 5  | do   | 10  |      |
| 2 Iron barred door to open inside and a teak wood half batten and half iron door to open outside with fixed iron barred ventilator at top of door and a batten shutter to open outside with a rope & complete to be fitted up one in each of the old blocks | 75 | do   | 150 |      |
| 4 Iron barred windows with teak wood batten shutters, frames iron fixtures & complete; Inside dimensions 2 1/2 x 1 1/2                                                                                                                                      | 28 | 4    | 112 |      |
| 1 Teakwood Tub for night convenience well fixed                                                                                                                                                                                                             | 5  | do   | 5   |      |
| Petty Supervision                                                                                                                                                                                                                                           | 6  | do   | 6   |      |
| Lundries                                                                                                                                                                                                                                                    | 1  | do   | 1   |      |
| Contingencies                                                                                                                                                                                                                                               | 1  | do   | 1   |      |
| Total                                                                                                                                                                                                                                                       |    |      |     | 3518 |

Adding an Honey Comb tiled wall to the Female Prisoners Bathing Aislem marked E on plan.

|                                                               |   |    |    |     |    |   |   |
|---------------------------------------------------------------|---|----|----|-----|----|---|---|
| 7 35/36 Cys of rough stone in chunam                          | 1 | 12 | do | 13  | 15 | 2 | ✓ |
| 13 143/216 do of brick in chunam                              | 2 | 14 | do | 39  | 4  | 5 | ✓ |
| 3.61 1/4 Cys. of Honey Comb work                              | 6 | do | do | 21  | 10 | 9 | ✓ |
| 12.15 do of Plastering with 2 coats of Chunam and whitewashed | 2 | 6  | do | 28  | 13 | 8 | ✓ |
| Excavating foundation and filling in                          |   |    |    | 1   | 8  |   | ✓ |
| Petty Supervision                                             | 6 | do | do | 6   | 3  |   | ✓ |
| Lundries                                                      | 1 | do | do | 1   | 10 |   | ✓ |
| Contingencies                                                 | 1 | do | do | 1   | 8  | 2 | ✓ |
| Total                                                         |   |    |    | 113 |    |   |   |

Constructing Lunatic Cells marked G on plan

|                                                                                            |    |    |    |    |    |   |   |   |
|--------------------------------------------------------------------------------------------|----|----|----|----|----|---|---|---|
| 105 1/2 Cys of Rough stone in chunam                                                       | 1  | 12 | do | 18 | 4  | 5 | 4 | ✓ |
| 2 3/8 do of arch work brick in chunam                                                      | 4  | 12 | do | 11 | 4  | 6 |   | ✓ |
| 24.27 1/4 Cys. of Plastering with 2 coats of chunam and whitewashed                        | 2  | 6  | do | 57 | 10 | 4 |   | ✓ |
| 5 2/4 Cys of Brick in chunam                                                               | 2  | 14 | do | 9  | 7  |   |   | ✓ |
| 3.93 Sqrs of Flooring with cutstone slabs laid in parallel courses and pointed with chunam | 11 | do | do | 43 | 3  | 8 |   | ✓ |
| 0.32 Sqrs of flooring with asphaltic 3/4 inch thick laid on a bed of concrete 6" deep      | 27 | do | do | 8  | 10 | 2 |   | ✓ |
| 0.23 Sqrs of asphaltic 1/2 inch thick laid over the dry earth store                        | 24 | do | do | 5  | 8  | 3 |   | ✓ |

Q.D. 3637

|          |                                                                                                                                                             |    |   |      |     |     |           |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|------|-----|-----|-----------|
| 21.34    | Cft of Saul wood wrought and put up                                                                                                                         | 2  | 8 | 96   | 78  | 57  | 3634      |
| 7.13 1/2 | Sqrs. of Roofing with Saul wood rafters<br>2x3, rapers 2x1/2 flat and pan tiles<br>Chunam borders &c                                                        | 21 |   | 39   | 149 | 53  |           |
| 0.71 1/2 | Sqrs of terracing with brick on edge 3'<br>high, and 3 courses flat tiles with 3 coats<br>of plaster to top of terrace and 2 coats<br>of plaster to ceiling | 18 |   | 20   | 12  | 180 |           |
| 3        | Cut stone pillars with chunam capitals<br>per complete                                                                                                      | 8  |   | each | 24  |     |           |
| 2        | Iron barred doors with teak wood<br>batten shutters, frames iron fixtures &c<br>complete, inside dimensions 3 1/2 x 6 1/2                                   | 56 |   | do   | 112 |     |           |
| 2        | Iron barred ventilators to latrine with<br>teak wood frames &c complete, inside<br>dimensions 3 1/2 x 1/2                                                   | 4  |   | do   | 8   |     |           |
| 2        | — — — — — inside dimensions 3 1/2 x 1 1/2                                                                                                                   | 10 | 8 | do   | 21  |     |           |
| 2        | Teakwood tubs for night convenience<br>well tarred                                                                                                          | 5  |   | do   | 10  |     |           |
|          | Excavating foundation & filling in<br>basement                                                                                                              |    |   |      | 8   |     |           |
|          |                                                                                                                                                             |    |   |      | 84  | 07  |           |
|          | Petty Supervision                                                                                                                                           | 6  |   | each | 58  | 45  |           |
|          | Lundries                                                                                                                                                    | 1  |   | do   | 7   | 6   |           |
|          | Contingencies                                                                                                                                               | 5  |   | do   | 3   | 11  |           |
|          |                                                                                                                                                             |    |   |      |     |     | 790       |
|          | Constructing Solitary Cells marked<br>H on plan.                                                                                                            |    |   |      |     |     | C.O. 4421 |

|           |                                                                                                                                                                          |    |    |      |     |     |           |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|------|-----|-----|-----------|
| 139 1/2   | Cyds. of Roughstone in chunam                                                                                                                                            | 1  | 12 | 02   | 278 | 97  | P.O. 4421 |
| 4 1/4     | Do. of brick work brick in chunam                                                                                                                                        | 4  | 12 | 00   | 20  | 3   | 6         |
| 35.44     | Sqrs. of Plastering with 2 coats of<br>chunam and white washed                                                                                                           | 2  | 6  | 39   | 84  | 28  |           |
| 5/16      | Cyds. of Brick in chunam                                                                                                                                                 | 2  | 14 | 39   | 14  | 4   |           |
| 5.20      | Sqrs. of Plastering with cut stone slabs<br>laid in parallel courses and pointed<br>with chunam                                                                          | 11 |    | 39   | 57  | 32  |           |
| 0.48      | Sqrs. of flooring with asphalt 3/4"<br>thick laid on a bed of concrete<br>6" deep                                                                                        | 27 |    | do   | 12  | 15  | 4         |
| 0.34 5/16 | Sqrs. of Asphalt 1/2" thick over the<br>dry earth store                                                                                                                  | 24 |    | do   | 8   | 39  |           |
| 44.24     | Cft. of Saul wood wrought & put up                                                                                                                                       | 2  | 8  | 02   | 110 | 97  |           |
| 70.69 1/2 | Sqrs. of roofing with Saul wood rafters<br>2x3 rapers 2x1/2 flat and pan tiles<br>chunam borders &c complete                                                             | 21 |    | 39   | 224 | 96  |           |
| 107 1/4   | Sqrs. of Terracing with brick on<br>edge 3' high and 3 courses of flat<br>tiles with 3 coats of plaster to top<br>of terrace and 2 coats of plaster<br>to ceiling        | 18 |    | 20   | 19  | 40  |           |
|           | Cut stone pillars with chunam<br>capitals &c complete                                                                                                                    | 8  |    | each | 32  |     |           |
|           | Iron barred door to open inside &<br>a teak wood batten door to slide<br>outside on grooved frames with<br>iron fixtures &c complete, inside<br>dimensions 3 1/2 x 6 1/2 | 60 |    | do   | 180 | 174 |           |
|           |                                                                                                                                                                          |    |    |      |     |     | C.O. 4421 |

23 4421

|   |                                                                    |    |      |    |      |
|---|--------------------------------------------------------------------|----|------|----|------|
| 3 | Iron barred ventilator to latrine with teak wood frames & complete | 4  | each | 12 |      |
|   | Inside dimensions $3\frac{1}{2} \times 1\frac{1}{2}$               |    |      |    |      |
| 3 | — 8° — 8° — $3\frac{1}{2} \times 1\frac{1}{2}$ — 8° —              | 10 | 8    | do | 31 8 |
| 3 | — 8° — 8° — $1\frac{1}{2} \times 1\frac{1}{2}$ — 8° —              | 4  | 8    | do | 13 8 |
| 3 | Teak wood tubs for night conveniences well tarred                  | 5  | do   | 15 |      |
|   | Excavating foundation & filling in basement                        |    |      | 5  |      |

|                   |     |      |                        |
|-------------------|-----|------|------------------------|
| Petty supervision | 6   | cont | 65 13                  |
| Sundries          | 1   | do   | 10 15 6                |
| Contingencies     | 0 8 | do   | 5 7 7                  |
|                   |     |      | Total Rupees 1102 11 9 |

Filling the cooking shed marked I on plan with a stove and flue

|           |                                                                                |      |      |                            |
|-----------|--------------------------------------------------------------------------------|------|------|----------------------------|
| 19        | Cy <sup>rs</sup> of Brick in chunam                                            | 2 14 | cf   | 34 10                      |
| 12-13     | do of Brick in mud & plastered with mud                                        | 2 2  | do   | 27 3 1/2                   |
| 11-19 1/2 | Sqrs of plastering with 2 coats of chunam and white washed                     | 2 6  | sq   | 26 9 1/2                   |
| 14        | Iron plate doors & shutters                                                    | 1    | each | 14                         |
| 2         | Breaking the portion of wall to receive the chimney & and roofing that portion |      | do   | 16                         |
|           | Petty supervision                                                              | 6    | cont | 138 6 1/2                  |
|           | Sundries                                                                       | 1    | do   | 5 8 1/2                    |
|           | Contingencies                                                                  | 1    | do   | 1 7 1/2                    |
|           |                                                                                |      |      | Total Rupees 147 57 55 1/2 |

Converting the general latrine into a civil debtors jail marked J on plan.

|       |                                                                                                                                           |      |      |                       |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------------------|
| 48    | Cy <sup>rs</sup> of Brick in chunam                                                                                                       | 2 14 | cf   | 138                   |
| 20 44 | Sqrs of Plastering with 2 coats of chunam and white washed                                                                                | 2 6  | sq   | 48 8 8                |
| 2     | Iron barred doors with teak wood battens shutters, frames, iron fixtures & complete. Inside dimensions $3\frac{1}{2} \times 6\frac{1}{2}$ | 56   | each | 112                   |
| 4     | 8° Windows 8° inside dimensions $2\frac{1}{2} \times 4\frac{1}{2}$                                                                        | 28-4 | do   | 113                   |
|       | Removing the present receptacles for water                                                                                                |      |      | 12                    |
|       |                                                                                                                                           |      |      | 423 8 8               |
|       | Petty supervision                                                                                                                         | 6    | cont | 25 3 8                |
|       | Sundries                                                                                                                                  | 1    | do   | 4 2 9                 |
|       | Contingencies                                                                                                                             | 8    | do   | 2 2 11                |
|       |                                                                                                                                           |      |      | Total Rupees 1466 1/2 |

Constructing a cook room to the civil debtors jail marked K on plan

|           |                                                           |      |    |               |
|-----------|-----------------------------------------------------------|------|----|---------------|
| 33 47/108 | Cy <sup>rs</sup> of Rough stone in chunam                 | 1 12 | cf | 58 8 2        |
| 15 1/2    | do of arch work brick in chunam                           | 4 12 | do | 6 11 8        |
| 8.95 1/2  | Sqrs of Plastering with 2 coats of chunam and whitewashed | 2 6  | sq | 21 4 5        |
| 0.80      | Sqrs of flooring with 6" of gravel well rammed            | 10   | do | 8             |
| 6.44      | Cy <sup>rs</sup> of Sand wood wrought and put up          | 2 8  | cf | 16 1 7        |
|           |                                                           |      |    | 10 C.R. 62 10 |

2-88 Epr of Roofing with saulwood rafters 2x3  
peepers 2x2 nails flat and plan tiles chunam 21 ... Sqr 62 10

1 Pair of Country wood batten doors with  
frames iron fixtures &c complete 8 ... each 8 ...

1 Pair of Country wood batten windows  
with frames iron fixtures &c complete 6 ... 2 ... 6 ...

Excavating foundations and filling in 2 ...

Petty Supervision 6 cent 10 11 7

Undries 1 ... 20 1 12 87

Contingencies 8 ... 20 11 4 8

Total Rupees 173

Raising the surrounding wall of the  
Civil Debtors Jail to 4 ft. high and  
narrowing the present opening that  
leads into the main jail by  
a door marked I on plan

66 69 108 Cys of Rough stone in chunam 1 12 ... 116 9 10

57 108 2 of Arch work Brick in chunam 4 12 ... 2 8 1

7 162 2 of Coping to the compound wall  
with brick in chunam 2 14 ... 20 5 1

286 1/4 Rft. of Filling the top of the compound  
wall with broken glass including  
Chunam 4 ... Rft 7 19

1 Iron barred door with teak wood  
batten shutters frames, iron fixtures  
&c complete inside dimensions 3 1/2 x 6 1/2 36 ... each 36 ...

267 ... 6403

Petty supervision 6 ... Cent 16 ... 3  
Undries 1 ... do 2 ... 10 5  
Contingencies 8 ... do 1 ... 5 4

Total Rupees 287

Constructing an observation block  
marked IV on plan

254 7/24 Cys of Rough stone in chunam 1 12 ... 445 11 10

6 1/8 2 of arch work brick in chunam 4 12 ... 29 1 6

63.19 Epr. of Plastering with 2 coats of chunam  
and white washed 2 6 ... 160 1 2

11 24 Cys. of Brick in chunam 2 14 ... 1 5 1

7.98 Epr. of Flooring with cut stone slabs  
laid in parallel courses and pointed  
with chunam 11 ... 87 12 5

108 Epr. of Flooring with asphalt 3/4 thick  
laid on a bed of concrete 6" deep 27 ... 29 2 6

0.15 3/4 Epr. of asphalt 1/2 thick over the dry  
earth store 24 ... 3 10 3

64.02 Cft of Saul wood wrought & put up 2 8 ... 160 7

15.30 Epr. of Roofing with saulwood rafters  
2 1/2 x 3 1/2 peepers 2 x 1/2 flat and pan  
tile, Chunam borders &c complete 25 ... 382 8

19 1/4 Epr. of Terracing with brick on edge  
3" jelly and 3 courses of flat tile with 3  
coats of plaster to top of terrace and  
2 coats of plaster to ceiling  
Iron barred door to open inside,  
and a teak wood half batten and  
half 18 ... 34 6 9

125 ... 6690

half venetian door to open outside with  
a fixed iron barred ventilator at  
top of door, and a latten shutter  
to open outside with a rope &c complete

3 Iron barred windows with teak  
wood latten shutters, and iron fixtures  
&c complete, Inside dimensions  $2\frac{1}{2} \times 4\frac{1}{2}$

3 Iron barred ventilators to wards with  
teak wood frames iron fixtures &c com-  
plete inside dimensions  $2\frac{1}{2} \times 1\frac{1}{2}$

3 8" 8" Salatins 8"  $2 \times 2$  8 . . . 24 . . .

3 8" 8"  $5\frac{1}{2} \times \frac{1}{2}$  5 8 . . . 16 8 . .

3 8" 8"  $5\frac{1}{2} \times 1\frac{1}{2}$  16 8 . . . 49 8 . .

3 Saul wood Trusses with tie beam, struts  
principal rafters, and an iron string  
post &c complete

3 Teak wood Subs for right conveni-  
ence well tarred

Excavating foundation & filling in basements

Petty Supervision 6 . . . 113 9 6  
Lundries 1 . . . 18 14  
Contingencies . 8 . . . 9 7 5  
Total Rupees 2035

Constructing an Undertrial Block  
O marked on plan

155 1/2 Cys. of Rough stone in chunam 1 12 . . . 172 2 . .  
9 1/2 " of arch work brick in chunam 4, 12 . . . 43 2 4

47.84 Sqrs of Plastering with 2 coats of chunam  
and white washed

0. 11/36 Cys. of Brick in chunam

6.19 1/2 Sqrs of Flooring with cut stone slabs  
laid in parallel courses and pointed  
with chunam

0.72 Sqrs of Flooring with asphalt 1/4" thick  
laid on a bed of concrete 6" deep

0.34 5/8 Sqrs of asphalt 1/2" thick over the dry  
earth store &c

50.05 Cft of Saul wood wrought & put up

12.06 Sqrs of Roofing with Saul wood rafters  
 $2\frac{1}{2} \times 3\frac{1}{2}$  rafters  $2 \times \frac{1}{2}$  nails flat span  
tiles Chunam borders &c complete

123 3/4 Sqrs of Terracing with brick on edge 3"  
Jelly and 3 courses of flat tiles with  
3 coats of plaster to top of terrace and 2  
coats plaster to ceiling

2 Iron barred door to open inside and  
a teak wood half latten & half venetian  
door to open outside with fixed iron  
barred ventilator at top of door and  
a latten shutter to open outside with  
a rope &c complete

2 Iron barred window with teak  
wood latten shutter frames iron  
fixtures &c complete, Inside  
dimensions  $2\frac{1}{2} \times 4\frac{1}{2}$

2 Iron barred ventilator to wards  
with teak wood frames, &c complete  
Inside dimensions  $2\frac{1}{2} \times 1\frac{1}{2}$

8725

2 Ironbarred ventilator to latrine with  
teak wood frames & complete inside } 5 ... each 16 ...

2 8" 8" 8" 5 1/2 x 1 1/2 5 8. do 11 ...

2 8" 8" 8" 5 1/2 x 1 1/2 16 8. do 33 ...

2 Saut wood truss with tie beams  
struts, principal rafters, and an  
iron king post in the centre & complete } 40 ... do 80 ...

2 Teak wood tubs for night conveni-  
ences well tarred } 5 ... do 10 ...

Excavating foundation and filling in  
broken up } ... .. 10 ...

Petty Supervision 6 ... Cent 83 2 9

Sundries 1 ... do 13 13 8

Contingencies 1 8 ... do 6 14 10

Total Rupees 114 60

Constructing a General Latrine  
marked F on Plan.

2 1/3 Cft of concrete work 1 8 ... 3 8 ...

85 8" of Brick work in chunam 2 12 ... 2 33 12 ...

28.15 Sqr. of Plastering with 2 coats of  
Chunam and white washed } 2 6 ... 66 13 8

5.44 Sqr. of Honey Comb tile work 6 ... do 32 10 2

1.73 8" of Asphaltting 1/2" thick laid over  
3" concrete to troughs } 18 ... do 31 2 2

14.44 8" of Roofing with saulwood  
rafters keew nails flat and pan  
tiles and Chunam borders & complete } 25 ... do 361 ...

34 109/144 Cft of Saul work wrought & put up 2 8 ... 86 14 3

5 1/2 Cds of Graveling to passages 5 ... 1 9 2

16 Cut stone slabs over pillars 3" thick 12 ... each 12 ...

14 8" 8" over Orifice 3" thick 6 ... do 5 4 ...

C.O. 10185

5  
6 Cut stone slabs 7" thick 1 1/2 ... each 7 8 ...

116 lbs of iron wrought 2 ... 14 8 ...

2 Buckets iron for urinary system 5 ... each 10 ...

2 8" wooden well tarred 2 ... do 4 ...

2 Trap doors including handle and  
zinc flashing 4 ... do 8 ...

2 Iron gutter pipes 1" long and  
3" diameter 8 ... do 1 ...

Petty Supervision 6 ... Cent 52 54

Sundries 1 ... do 8 16

Contingencies 1 8 ... do 4 5 9

Total Rupees 94 5

Alterations to 1 & 5 Blocks

6 Breaking six openings at the  
back wall and fixing six new  
windows including arch work pla-  
stering the sides &c } 4 ... each 24 ...

4 Removing the four side iron barred  
doors and blocking two feet up at bottom  
with rough stone in chunam and plaster-  
ing the sides and fixing four new  
windows } 3 ... do 12 ...

2 Removing the two centre iron barred  
doors and fixing new doors including  
arch work & plastering &c } 5 ... do 10 ...

Iron

C.O. 11130

2 Iron barred door to open inside and a teak wood half batten and half venetian door to open outside with fixed iron barred ventilator at top of door, and a batten shutter to open outside with a rope & complete to be fitted up in each block — 75 .. each 150 ..

10 Iron barred windows with teak wood batten shutters, frames, iron fixtures & complete. Inside dimensions.  $2\frac{1}{2} \times 4\frac{1}{2}$  — 28 4 .. 282 8 ..

2 Removing the two doors of the night recesses and filling in the holes and plastering & — 18 .. 3 ..

2 Tarring the vent holes of the night recesses with 2 coats of coal tar — 4 .. 8 ..

Petty Supervision — 6 .. 28 13 8 ..

Lundries — 1 .. 4 12 2 ..

Contingencies — 8 .. 2 6 2 ..

Total for One Repus. 318 ..  
Total for two Rs. 1036

Constructing one ward to 4 Block

122  $\frac{2}{27}$  Cys. of Rough stone in chunam 1 12 .. 213 10 ..

3  $\frac{9}{16}$  do of Arch work brick in chunam 1 12 .. 16 14 9 ..

32.90 Sqr. of Plastering with 2 Coats of Chunam and whitewash — 2 6 .. 78 2 2 1 ..

C.O. 12/166

$\frac{11}{72}$  Cys. of Brick in chunam — 2 14 .. 7 ..  
5.46 Sqr. of Flooring with cut stone slabs laid in parallel courses & painted with chunam — 11 .. 60 ..

0.36 Sqr. of Flooring with asphalt  $\frac{3}{4}$ " thick laid on a bed of concrete 6" deep — 27 .. 9 11 6 ..

40.35 Cft. of Salwood, wrought and put up — 2 8 .. 100 14 ..

0.19  $\frac{3}{16}$  Sqr. of Asphalt  $\frac{1}{2}$ " thick laid over the dry earth store — 24 .. 4 9 8 ..

10.08 Sqr. of Roofing with salwood rafters  $2\frac{1}{2} \times 3\frac{1}{2}$  rafters  $2 \times \frac{1}{2}$  nails flat and — 25 .. 252 ..

pan tiles Chunam border & complete — 67  $\frac{1}{2}$  Sqr. of Terracing with brick on edge 3" jelly and 3 courses of flat tiles with 3 coats of plaster to top of terrace and 2 coats of plaster to ceiling — 18 .. 12 2 4 ..

1 Iron barred door to open inside and a teak wood half batten, & half venetian door to open outside with fixed iron barred ventilator at top of door, and a batten shutter to open outside with a rope & complete — 75 .. each 75 ..

5 Iron barred windows with teak wood batten shutters frames iron fixtures & complete inside dimensions  $2\frac{1}{2} \times 4\frac{1}{2}$  — 28 4 .. 141 4 ..

5 Iron barred ventilator to wards with teak wood frames & complete inside dimensions  $2\frac{1}{2} \times 1\frac{1}{2}$  — 7 8 .. 37 8 ..

1011 C.O. 12/166 911

C.D. 12166

|   |                                                                                                                                                              |      |      |      |  |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|--|
| 1 | Iron barred ventilator, to latrine with teak wood frames & complete inside dimensions $5\frac{1}{2} \times 1\frac{1}{2}$                                     | 5 8  | each | 5 8  |  |
| 1 | Do Do Do $5\frac{1}{2} \times 1\frac{1}{2}$                                                                                                                  | 16 8 | do   | 16 8 |  |
| 2 | Do Do Do $2 \times 2$                                                                                                                                        | 8    | do   | 16   |  |
| 2 | Sal wood Truss with tie beam, principal rafters, struts, and iron king post rods in the centre & complete                                                    | 40   | each | 80   |  |
|   | Excavating foundation and filling in basement                                                                                                                |      |      | 10   |  |
| 2 | Removing the 2 present iron barred windows at the ends of the old blocks and blocking it up with rough stone in chunam and plastering with 2 coats of chunam | 3    | each | 6    |  |
| 6 | Breaking six openings at the back wall of the old block and fixing 6 new windows including arch work, plastering the sides &c                                | 4    | do   | 24   |  |
| 4 | Removing the four side iron barred doors and blocking two feet up at bottom with rough stone in chunam & plastering the sides and fixing four new windows    | 3    | do   | 12   |  |
| 2 | Removing the two centre iron barred doors of the block, and fixing new doors including arch work and plastering &c                                           | 5    | do   | 10   |  |
| 2 | Removing the two doors of the night recesses and filling in the holes and plastering                                                                         | 1 8  | do   | 3    |  |
| 2 | Tarring the vent holes of the night recesses with 2 coats of coal tar                                                                                        | 4    | do   | 8    |  |

C.D. 12166

C.D. 12166

|           |                                                                                                                                                                                                                                                          |      |      |        |  |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--------|--|
|           | Iron barred door to open inside with a teak wood half batten & half venetian door to open outside with fixed iron barred ventilator at top of door & a batten shutter to open outside with a rope & complete, to be fitted up one for each of the blocks | 75   | each | 150    |  |
| 10        | Iron barred windows with teak wood batten shutters, frames iron fixtures & complete, inside dimensions $2\frac{1}{2} \times 4\frac{1}{2}$                                                                                                                | 284  | do   | 2828   |  |
| 1         | Teak wood tub for night convenience well tarred                                                                                                                                                                                                          | 5    | do   | 5      |  |
|           | City Supervision                                                                                                                                                                                                                                         | 6    | cut  | 97 62  |  |
|           | Lundries                                                                                                                                                                                                                                                 | 1    | do   | 16 38  |  |
|           | Contingencies                                                                                                                                                                                                                                            | 8    | do   | 8 10   |  |
|           | Total for one Block                                                                                                                                                                                                                                      |      |      | 1745   |  |
|           | Constructing two wards to Nos 2 & 3 Blocks                                                                                                                                                                                                               |      |      |        |  |
| 238       | Cps. of Rough stone in chunam                                                                                                                                                                                                                            | 1 52 | Cpl. | 416 8  |  |
| 67 12     | do of Arch work brick in chunam                                                                                                                                                                                                                          | 4 12 | do   | 21 44  |  |
| 63 37 1/2 | Sqrs. of Plastering with 2 coats of chunam and white wash                                                                                                                                                                                                | 2 6  | Sq.  | 150 83 |  |
| 11 36     | Cps. of Brick in chunam                                                                                                                                                                                                                                  | 2 14 | Cpl. | 4      |  |
| 10 92     | Sqrs. of Flooring with cut stone slabs laid in parallel courses & pointed with chunam                                                                                                                                                                    | 11   | Sq.  | 120 10 |  |
| 0 72      | Sqrs. of Flooring with asphalt $\frac{3}{4}$ " thick laid over concrete 6" deep                                                                                                                                                                          | 27   | do   | 19 7   |  |

C.D. 13911



000 1971

|    |                                                                                |      |      |          |
|----|--------------------------------------------------------------------------------|------|------|----------|
| 10 | Iron barred windows with teak wood<br>batten shutters, frames iron fixtures &c | 28 4 | each | 282 8    |
|    | Complete - inside dimensions $2\frac{1}{2} \times 4\frac{1}{2}$                |      |      |          |
| 2  | Teak wood tubs for night conveniences<br>well tarred                           | 5    | do   | 10       |
|    | Petty supervision                                                              | 6    | do   | 162 3 11 |
|    | Sundries                                                                       | 1    | do   | 27 8     |
|    | Contingencies                                                                  | 8    | do   | 13 8 4   |

Total Repairs for one

Total Repairs for two blocks 579 6

Constructing two wards to each Block

|                    |                                                                                                                                                                         |      |     |          |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------|
| 171 $\frac{4}{7}$  | Crs. of Rough stone in chunam                                                                                                                                           | 1 12 | sq  | 300 5 1  |
| 5 $\frac{1}{3}$    | Crs. of arch work Brick in Chunam                                                                                                                                       | 4 12 | do  | 25 5 4   |
| 52.05              | Srs. of Plastering with 2 coats of Chunam<br>and whitewashed                                                                                                            | 2 6  | sq  | 123 9 10 |
| $\frac{44}{36}$    | Crs. of Brick in Chunam                                                                                                                                                 | 2 14 | sq  | 14       |
| 7.80 $\frac{1}{2}$ | Srs. of Flooring with cutstone slabs laid<br>in parallel courses and pointed with<br>Chunam                                                                             | 11   | sq  | 85 13 8  |
| 0.72               | Srs. of Flooring with asphalt $\frac{3}{4}$ thick<br>laid on a bed of concrete 6 deep                                                                                   | 27   | do  | 19 7     |
| 57.55              | Cft. of Saul wood wrought and put up                                                                                                                                    | 2 8  | qft | 143 14   |
| 0.34 $\frac{5}{8}$ | Srs. of Asphalt $\frac{1}{2}$ thick laid over the<br>dry earth store                                                                                                    | 24   | sq  | 8 4 11   |
| 14.28              | Srs. of Roofing with Saul wood rafters<br>$2\frac{1}{2} \times 3\frac{1}{2}$ , rafter $2 \times \frac{1}{2}$ , nails, flat, & plan<br>tiles, Chunam borders &c Complete | 25   | sq  | 557      |

000 19707

000 19707

|                    |                                                                                                                                                                                                                                 |      |      |       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------|
| 1.23 $\frac{3}{4}$ | $3\frac{1}{2}$ of Terracing with brick on edge<br>3 jelly and 3 courses of flat tiles with 3<br>coats of plaster to top of terraces and<br>2 coats plaster to ceiling                                                           | 18   | sq   | 224 4 |
| 2                  | Iron barred doors to open inside and<br>a teak wood, half batten & half venetian<br>door to open outside with fixed iron<br>barred ventilators at top of doors &<br>a batten shutter to open outside with<br>a rope &c complete | 75   | each | 150   |
| 6                  | Iron barred windows with teak wood<br>batten shutters, frames, iron fixtures &c<br>complete inside dimensions $2\frac{1}{2} \times 4\frac{1}{2}$                                                                                | 28 4 | do   | 169 8 |
| 6                  | Iron barred ventilators towards<br>with teak wood frames &c complete -<br>inside dimensions $2\frac{1}{2} \times 1\frac{1}{2}$                                                                                                  | 7 8  | do   | 45    |
| 2                  | Iron barred ventilator to latrine<br>with teak wood frames &c complete<br>inside dimensions $5\frac{1}{2} \times \frac{1}{2}$                                                                                                   | 5 8  | do   | 11    |
| 2                  | do do $5\frac{1}{2} \times 1\frac{1}{2}$                                                                                                                                                                                        | 16 8 | do   | 33    |
| 2                  | do do $2 \times 2$                                                                                                                                                                                                              | 8    | do   | 16    |
| 3                  | Saul wood trusses with tie beams<br>principal rafters, struts and an iron<br>king post rod in the center &c complete<br>Excavating foundations & filling in<br>basement                                                         | 40   | do   | 120   |
| 2                  | Removing the two present iron barred<br>windows at the ends of the old block<br>and blocking it up with rough stone<br>in Chunam & plastering with 2 coats<br>of Chunam                                                         | 3    | do   | 6     |

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|                                                                                                                                             |      |      |          |
|---------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|
| 10 Iron barred windows with teak wood batten shutters, frames iron fixtures & complete inside dimensions $2\frac{1}{2} \times 4\frac{1}{2}$ | 28 4 | each | 282 8    |
| 2 Teak wood Subs for night conveniences well tarred                                                                                         | 5    | do   | 10       |
| Petty Supervision                                                                                                                           | 6    | do   | 162 3 11 |
| Sundries                                                                                                                                    | 1    | do   | 27 8     |
| Contingencies                                                                                                                               | 8    | do   | 13 8 4   |

Total Rupees for one 2897

Total Rupees for two blocks 5796

### Constructing two wards to 6 Block

|                                                                                                                                                                     |      |     |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------|
| 171 $\frac{4}{9}$ Cps. of Rough stone in chunam                                                                                                                     | 1 12 | sq  | 300 5    |
| 5 $\frac{3}{8}$ Cps. of arch work Brick in Chunam                                                                                                                   | 4 12 | do  | 25 5 4   |
| 52.05 Sps. of Plastering with 2 coats of Chunam and whitewashed                                                                                                     | 2 6  | sq  | 123 9 10 |
| $\frac{44}{36}$ Cps. of Brick in chunam                                                                                                                             | 2 14 | sq  | 14       |
| 7.80 $\frac{1}{2}$ Sps. of Flooring with cutstone slabs laid in parallel courses and painted with chunam                                                            | 11   | sq  | 85 13 8  |
| 0.72 Sps. of Flooring with asphalt $\frac{3}{4}$ thick laid on a bed of concrete 6 deep                                                                             | 27   | do  | 19 7     |
| 57.55 Cft. of Saul wood wrought and put up                                                                                                                          | 2 8  | cft | 143 14   |
| 0.34 $\frac{5}{8}$ Sps. of Asphalt $\frac{1}{2}$ thick laid over the dry earth store                                                                                | 24   | sq  | 8 4 11   |
| 14.28 Sps. of Roofing with Saul wood rafters $2\frac{1}{2} \times 3\frac{1}{2}$ , rafter $2 \times \frac{1}{2}$ , nails, flat span tiles, chunam borders & complete | 25   | sq  | 357      |

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|                                                                                                                                                                                                                   |      |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--------|
| 1.23 $\frac{3}{4}$ Sq. of Terracing with brick on edge 3 jolly and 3 courses of flat tiles with 3 coats of plaster to top of terraces and 2 coats plaster to ceiling                                              | 18   | sq   | 22 4 4 |
| 2 Iron barred doors to open inside and a teak wood, half batten & half venetian door to open outside with fixed iron barred ventilators at top of doors & a batten shutter to open outside with a rope & complete | 75   | each | 150    |
| 6 Iron barred windows with teak wood batten shutters, frames, iron fixtures & complete inside dimensions $2\frac{1}{2} \times 4\frac{1}{2}$                                                                       | 28 4 | do   | 169 8  |
| 6 Iron barred ventilators towards with teak wood frames & complete inside dimensions $2\frac{1}{2} \times 1\frac{1}{2}$                                                                                           | 7 8  | do   | 45     |
| 2 Iron barred ventilator to latrine with teak wood frames & complete inside dimensions $5\frac{1}{2} \times \frac{1}{2}$                                                                                          | 5 8  | do   | 11     |
| 2 do do $5\frac{1}{2} \times 1\frac{1}{2}$                                                                                                                                                                        | 16 8 | do   | 33     |
| 2 do do $2 \times 2$                                                                                                                                                                                              | 8    | do   | 16     |
| 3 Saul wood trusses with tie beams principal rafters, struts and an iron king post rod in the center & complete excavating foundations & filling in basement                                                      | 40   | do   | 120    |
| 2 Removing the two present iron barred windows at the ends of the old block and blocking it up with rough stone or chunam & plastering with 2 coats of chunam                                                     | 3    | do   | 6      |

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|    |                                                                                                                                                                                                                                                            |    |      |     |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|-----|--|
| 6  | Breaking six openings at the back wall of the old block and fixing six new windows including arch work plastering the sides of                                                                                                                             | 24 | each | 24  |  |
| 4  | Removing the four side iron-barred doors and blocking two feet up at bottom with Rough stone in chunam and plastering the sides and fixing four new windows                                                                                                | 3  | do   | 12  |  |
| 2  | Removing the two centre iron barrel doors of the Block and fixing new doors including arch work and plastering                                                                                                                                             | 5  | do   | 10  |  |
| 2  | Removing the two doors of the night recesses and filling in the holes and plastering                                                                                                                                                                       | 18 | do   | 3   |  |
| 2  | Tarring the vents holes of the night recesses with 2 coats of Oil tar                                                                                                                                                                                      | 4  | do   | 8   |  |
| 2  | Iron barred door to open inside and a teak wood half batten and half venetian door to open outside with fixed iron barred ventilator at top of door and a batten shutter to open outside with a rope & complete to be fitted up one in each of the blocks. | 75 | do   | 150 |  |
| 10 | Iron barred windows with teak batten shutters, frames iron fixtures & complete. Inside dimensions $2\frac{1}{2} \times 4\frac{1}{2}$                                                                                                                       | 28 | do   | 280 |  |

BB 19707

|   |                                                  |   |      |      |    |
|---|--------------------------------------------------|---|------|------|----|
| 2 | teak wood tubs for night convenience well tarred | 5 | each | 10   |    |
|   |                                                  |   |      | 2141 | 16 |
|   | Petty Supervision                                | 6 | do   | 24   | 86 |
|   | Sundries                                         | 1 | do   | 20   | 4  |
|   | Contingencies                                    | 8 | do   | 10   | 2  |
|   | Total Rupees                                     |   |      | 2298 |    |

Constructing a small Latrine for the use of the police guards and their families. Similar to the Plan marked B on plan to be built outside the Jail.

|                     |                                                                                                          |    |    |     |     |
|---------------------|----------------------------------------------------------------------------------------------------------|----|----|-----|-----|
| 33 $\frac{49}{102}$ | Cy of Rough Stone in chunam                                                                              | 1  | do | 57  | 52  |
| 7.38 $\frac{1}{2}$  | Sqrs of Plastering with 2 coats of chunam and white washed                                               | 2  | do | 18  | 117 |
| $\frac{5}{16}$      | Cy of Arch work brick in chunam                                                                          | 4  | do | 179 |     |
| 0.75                | Sqrs of flooring with asphalt $\frac{3}{4}$ thick laid over a bed of concrete                            | 27 | do | 20  | 4   |
|                     | 6" deep                                                                                                  | 2  | do | 18  | 9   |
| $\frac{29}{54}$     | Cy of Brick in chunam                                                                                    | 24 | do | 11  | 45  |
| 0.47                | Sqrs of asphalt $\frac{1}{2}$ thick laid over the rough                                                  | 2  | do | 9   | 10  |
| 3.85                | Cy of Salwood wrought & put up                                                                           |    |    |     |     |
| 2.77 $\frac{1}{2}$  | Sqrs of Roofing with salwood joists 2x3 rafters 2x4 nails, flat and pan tiles, chunam borders & complete | 16 | do | 58  | 44  |
|                     | Excavating foundation and filling in basement                                                            |    |    | 1   | 00  |
|                     |                                                                                                          |    |    | 180 | 2   |

BB 22000

BB 19707

Rs 22000

|                   |   |     |        |
|-------------------|---|-----|--------|
| Petty Supervision | 6 | cut | 10 15  |
| Sundries          | 1 | do  | 1 14 9 |
| Contingencies     | 8 | do  | 16 4   |

Total Rupees 194

Removing and reconstructing Palisading  
and V shaped cutstone drains

|     |                                                      |    |     |         |
|-----|------------------------------------------------------|----|-----|---------|
| 570 | Qty of Removing and replacing the<br>cutstone drains | 6  | Rft | 213 12  |
| 200 | Qty of Constructing new drains                       | 14 | do  | 175     |
| 405 | Qty of Removing and replacing the<br>palisading      | 12 | do  | 1455 10 |

Cost of removing the Solitary Cells marked  
on plan, and the enclosed com-  
pound wall and filling the  
surrounding trench with earth

150

|                   |   |     |         |
|-------------------|---|-----|---------|
| Petty Supervision | 6 | cut | 60 8    |
| Sundries          | 1 | do  | 10 1 14 |
| Contingencies     | 8 | do  | 5 8     |

Total Rupees 1070

Deduct cost of Rough stone recovered from  
the Solitary Cells and Compound wall

120

Total Rupees 950

Grand Total Rupees 23140

This is to certify that the undersigned considers that this Estimate provides  
for every thing necessary and that no supplementary work will after-  
wards be required.

District Engineer's Office  
Walter 22 June 1877

Major R.E.  
District Engineer, Vizagapatam

P.W.D.  
29 JUN 77  
No 6385

Abstract Estimate of  
the probable cost of making  
alterations and additions to  
the Zillah Jail at  
Vizagapatam.

Estimate Rupees 23,400

4020: Sept. 5, 1880

excavating  
foundations

Concrete

Rubble masonry

Brick work in  
chunam

Specification to accompany Plan and  
Estimate of the probable cost of making alterations  
and additions to the Zillah Jail at Vizagapatam.

Estimate Rupees 23,400

The trenches for foundations to be dug to the  
dimensions shown in the Plan and Estimate,  
unless it is found that special circumstances  
require these dimensions to be deviated from when  
a reference is to be made by the executive agent  
to the District Engineer.

The floors shown in the Plan or estimate  
are to be floored with concrete to the dimensions  
shown on them, which is to be composed of 1 part  
of lime, 2 parts of sand, and 5 parts of broken bricks  
or stones  $\frac{3}{4}$  cube laid upon well rammed earth.

The foundations, basement and superstructure  
of the buildings are to be built with rough stone  
in mortar, which is to be consist of 2 parts of clean  
sharp river sand and 1 part of well slaked lime;  
through bond stones to be inserted at distances of  
3 feet.

The brick work is to be built of well burnt  
bricks 9" long 4 1/2" broad and 2 1/4" thick laid in  
English bond with mortar composed of 1 part  
of well slaked stone lime and 2 parts of clean  
sharp

sharp river sand well beaten or pounded by hand.

Flat arch work over doors, windows and ventilators is to be built of well burnt and properly trimmed bricks in fine lime putty composed of equal parts of lime and brick dust. Flat arches

All the exposed surfaces of the building are to be plastered with 2 coats of chunam. Before laying the first coat the walls to be trimmed with trivels and well sprinkled with water. Plastering

The plaster to the first coat to be composed of 1 part of well slaked lime and 1 1/2 parts of clean sharp river sand, thoroughly mixed and well beaten up with water. A day or two after the first coat is put on and while it is moist the second coat is to be applied. The plaster used for the second coat to consist of 3 parts of lime and one of white clean sharp river sand. These are to be mixed as before and afterwards ground on a flat stone with a small stone roller till they are reduced to a fine paste. During the process of the work the plaster is to be occasionally sprinkled with a little pure lime mixed with water to give it a hard and even surface.

The walls to be white-washed two coats with wash composed for ten squares of 1 1/2 parabs of chunam mixed with water in which 1 seer of raw rice has been boiled. White washing

#### 1. Cut stone

The portions of flooring shown in the estimate to be floored with a stone of 3 inches thick

#### Flooring

#### Roofing

I. Tilting The roofs are to be composed of sand, wood rafters, resting on purlins of reapers, nails, flat

thick laid perfectly horizontal, dressed with square joint and resting upon a prepared floor of 3 inches concrete composed as before and laid upon well rammed earth. The flooring stone to be pointed with fine lime putty composed of equal parts of lime and brick dust; joints should be as fine as possible say 1/8 inch in breadth.

#### II. Asphaltum

The portions of flooring shown in the estimate for receiving the asphaltum are to be levelled, well watered, and rammed, a levelling course of broken bricks 3 inches thick is then to be laid down and on this 3 inches of brick or stone, concrete (composed as before) is then to be spread and to be well beaten down with wooden beaters and allowed to get perfectly dry before any attempt is made to lay the asphaltum. The asphaltum is then laid on the surface 3/4 inch thick in portions of convenient size marked out regularly by a wooden gauge 1/2 inch thick, the edge of which is kept oiled to prevent the asphaltum from adhering to it. The surface to be covered with some very fine dry sand and rubbed well with wooden rubbers until it becomes perfectly even. The whole of the receptacles for dry earth to be asphalted 1/2 inch thick.

flat and panicles (of the dimensions shown in the Plan and Estimate) chinam borders &c. complete. The rafters should be placed 15 apart, centre to centre. All timber used to be sound and well seasoned.

## II. Terracing

After the joists are fixed, a course of brick on edge in chinam composed of 1 part of well slaked lime &  $1\frac{1}{2}$  parts of clean sharp river sand, is to be laid diagonally over the joists, and when set it is to be covered with a layer of brick concrete of 3 inches thick (composed as before but the sizes of cubes to be not more than  $\frac{1}{2}$  inch thick) which must be well beaten down. The concrete to be laid with a proper slope to the upper surface in order to provide for the drainage of the roof. This should be allowed to remain for a few days to harden when 3 courses of flat tiles are to be laid diagonally crossing each other, each tile being  $(6 \times 5 \times \frac{1}{2})$  and to be well wetted before being laid. The roof is to be finished off on the outside with 3 coats of plaster carefully applied and well rubbed to a polished surface. A parapet wall is to be built round the terrace roof on the outer walls and a few openings are to be left in which are to be fixed wooden shoots for discharging the rain water. The spaces between the joists are to be carefully built up with masonry.

## III. The Bengal or sloping Terrace

The verandahs of guard rooms & 2 rooms are to be covered with Bengal terrace. Rafters at

at upper end to enter the main wall of the building about 9 inches and to rest at lower end on a beam supported by the verandah pillars; the rafters are to be placed at equal intervals of 15 inches centre to centre. Purlins are to be 2 inches wide and  $\frac{1}{2}$  inch thick and are to be nailed to the upper surface of the rafters at right angles to their direction and 6 inches apart from centre to centre and on those a course of flat tiles  $(6 \times 5 \times \frac{1}{2})$  is then to be laid with mortar between the joists. The roof is then to be completed by laying two courses of flat tiles breaking joints in mortar over the courses and to be finished off with two coats of plaster well rubbed down. The tiles should be soaked in water before being laid, and those next the wall should enter it a few inches to prevent leakage at the junction of the roof and walls.

Honey comb tile work.

The portions shown in the plan are to be built with Honey Comb tile work. The tiles are to be sloped to prevent the interior being seen into from the exterior.

Brick in mud

The mud to be used will be well watered and mixed up by men walking through till the material is worked into a paste as in brick making and will be used up fresh, the bricks will be well watered before laying and beaten over against another by the handle of a trowel to press upwards any extra mud that may be used. The size of bricks.

flat bricks will be  $(9 \times 4\frac{1}{2} \times 2\frac{1}{4})$ . The whole of this  
Plan work to be plastered with mud.

The portions shown on the plan will have Cornice work  
cent. a light cornice work and built of brick in chunam  
seas and plastered with 2 coats.

The flooring of the Civil Debtors cook house Graveling  
and in the yards of General Latrine marked **II** on  
on Plan will be floored with gravel, spread and  
slammed before ramming a sufficient quantity  
sand of water should be sprinkled all over so as to  
when damp the gravel and when demised should con-  
come solidate into one mass.

These are provided for the cooking shed Iron plate door  
which marked **I** on plan and to be of iron  $\frac{1}{2}$  thick. shutters

The top of the coping of the compound Broken glass  
in or wall of the Civil Debtors Jail will be covered  
shou with broken glass set in chunam, the lime used to be  
when 2 parts of lime and 3 parts of sand.

The trusses are to be of seasoned saul wood Trusses  
be in tie beams, principal rafters, struts and iron king posts,  
be fe with all the iron works as in the drawing.

All the doors and windows are to be made Doors and windows  
surf of best teak wood free from all flaws and cracks or  
the other defects. The accompanying plan of doors and  
ing ventilators should be adopted. The dimensions of  
who the round iron bar to be  $2\frac{1}{4}$  inch in diameter and the  
a pa bars to be placed 4 inches apart from centre to centre.  
with The solitary cells will have 3 iron barred doors to  
III open inside and 3 teak wood batten doors to slide.  
are outside on grooved frames with iron fixtures &c.

The chubb locks with keys to be provided to all the  
doors for the main buildings, the iron bars to grates and doors

Alterations  
to doors &c.

The present doors leading into the jail  
from the Guard and store room will be blocked  
with a fixed iron grating and 2 new openings  
will be made in the front wall leading into the  
proposed verandah, and new iron barred doors  
will be fixed in them.

The two end windows in each of the old  
blocks will be removed, and that portions will be  
blocked with rough stone in chunam, and plastered  
with two coats of chunam.

The centre doors of each of the blocks will  
be removed, and new doors fixed, having an iron  
barred ventilator on top of doors.

The two side doors of each of the blocks will  
also be removed, and new fixed iron grated windows  
with batten shutters, two feet from floor level will  
be fixed.

The doors to the present Latrines will be  
removed and the holes caused by the removal  
of these doors to be filled and plastered with  
chunam.

In the back wall of each of the blocks  
there will be three openings made, and 3 iron grated  
windows fixed in them, 2 feet from floor.

The vent holes of the night Latrines will be  
tarred with 2 coats of coal tar.

The inner gate of the jail will be removed  
and the gate placed so that they cannot be lifted  
of

of their hinges.

The arch way leading into the main jail from the Civil Debtors jail to be blocked on sides and a new iron barred door with teak wood shutters fixed.

Iron enamelled buckets with handles are Iron buckets to be provided in the 2 urinary Cisterns on the outside of the building, and will have 2 iron gutters pipes 1 foot in length and 3 inches diameter projecting into the bucket cistern 4 inches in order to let out the urine from the drain through the wall.

These buckets are to be made of best seasoned Wooden buckets country wood for the removal of urine with a thickness of  $\frac{1}{2}$  inch thick in the shape of frustum of a cone of  $1\frac{1}{2}$  foot inside diameter at bottom and 1 foot at top hooped with 3 hoops of  $1\frac{1}{8}$  iron shrunk on and with a semicircular falling iron handle. These are well tarred with 3 coats both in and outside.

These tubs are to be provided for night conveniences, and made of best teak wood free from flaws or cracks, according to the dimensions shown on the plan 3 parts of these are to be filled with dry earth and to be well tarred with 3 coats.

Lay a tile drain in new Latrine marked on plan securely bedded in mortar, sides level with floor as shown in the drawing with a fall to the centre of 3 inches in 10 feet and to cut fall gutter pipe is to be provided.

All the wood made use of shall be sound

Wood work

sound, well seasoned, saulwood and free from all cracks and flaws or any other defect; and according to such dimensions as are laid down in the estimate and shown upon the plan.

Iron work

Old drains &

Solitary cells

All the iron work such as hinges, bolts &c. are to be plunged while red hot into tar.

The drains and palisading coming over the new buildings will be removed, and replaced in the places shown on plan.

The solitary cells and the enclosed compound wall will be removed, and the ditch will be filled in with earth.

On completion of the work all rubbish to be cleared away and the premises to be left in a clean condition.

District Engineer's office  
Maltair 22 June 1877

H. M. M. Major R. E.  
District Engineer, Vizagapatnam

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These tubs are to be provided for night conveniences, and made of best teak wood free from flaws or cracks, according to the dimensions shown on the plan 3 parts of these are to be filled with dry earth and to be well tarred with 3 coats.

Lay a tile drain in new latrine marked on plan securely bedded in mortar, sides level with floor as shown in the drawing with a fall to the centre of 3 inches in 10 feet and to cut fall gutter pipe is to be provided.

All the wood made use of shall be sound

Wood work

sound, well seasoned saw wood and free from all cracks and flaws or any other defect; and according to such dimensions as are laid down in the estimate and shown upon the plan. All the iron work such as hinges, bolts etc are to be plunged while red hot into tar.

Iron work

All drains

Solitary cells

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District Engineer's office  
Waltair 22 June 1877

H. M. M. Major R. E.

District Engineer, Vizagapatnam

W.D.  
9 JUN 77  
B365

Specification to accompany  
Plan and Estimate of the probable  
cost of making alterations and  
additions to the Zillah Jail  
at Vizagapatam.

Estimate Rupees 2,31,410  
25,970 ✓

40 20 Sept 77 B365 14503

N<sup>o</sup> 632

District Engineer's Office  
Waltair 22<sup>nd</sup> June 1877

From

The District Engineer  
Vizagapatam ✓

To

The Chief Engineer J.W.D.  
Buildings & Roads Branch  
Madras

For

With reference to O.G. O.W.D.  
N<sup>o</sup> 326 dated 27<sup>th</sup> April 1877, I have  
the honor to resubmit plans and Estimate  
of Vizagapatam Jail revised in accord-  
ance with O.G. Judicial Department  
N<sup>o</sup> 997 dated 20<sup>th</sup> April 1877.

2. The latrine provided is in accord-  
ance with the Plan forwarded with  
G.O. N<sup>o</sup> 731 of 22<sup>nd</sup> March 1876.

3. With reference to para 4 of the  
letter of the Inspector General of Jails  
recorded in G.O. J.D. N<sup>o</sup> 997 dated 20<sup>th</sup> April 1877  
I have the honor to enquire who is to  
fix the site for the observation block?  
4. With reference to para 5 of  
the

the same letter, I beg the favor of being informed as to what deductions are to be made in the estimate now submitted for the value of convict labor?

I have the honor to be  
Sir

Your most Obedt. Servt.

Amos Major 126

District Engineer)

Viragapatanu

G.O. 26 July 1875 No. 202 Mis:  
" 25 Oct " " 154 "  
" 22 March 1876 " 731  
" 27 April 1877 " 326 Mis:

Roads and Buildings  
— W.D. —  
3 JUN 77  
6385  
From The District Engineer  
Viragapatam  
To The Chief Engineer P.W.D.  
Buildings & Roads Branch  
Madras

No. 632

Dated 22<sup>nd</sup> June 1877.

<sup>24</sup>  
No. of Enclosures. 4<sup>x</sup>  
\* Refs to D.C. No.

Zillah Jail at Viraga-  
patam — Submits Plans

& Estimates amounting to Rs. 23140 for the —

revised in accordance with  
G.O. J.D. No. 997 of 20<sup>th</sup> April  
1877.

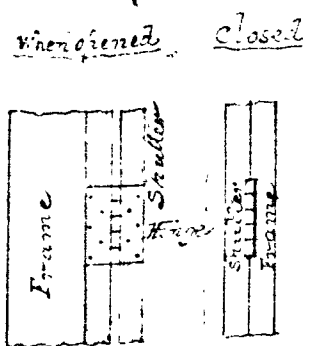
G.O. 20 Sept 1877 J.D. No. 145

No. 22378/9 Aug 1877  
Memorandum  
Letter from the District Engineer  
Viragapatam No. 632 dated 22<sup>nd</sup> June 1877.  
The plans and estimate with  
specification submitted by the District  
Engineer, for additions and alterations to the  
Jail at Viragapatam amounting to Rs. 23140  
prepared in accordance with the instructions  
contained in G.O. No. 997 dated 20<sup>th</sup> April  
1877.

The iron bars to grated doors and  
windows, when over 18 inches in length,  
should be secured from liability of being  
bent or drawn together, by flat iron  
straining bars, which bars should pass  
through the frame and be keyed home  
and the keys built into the wall.

The

The hinges of doors and windows are wrongly drawn, they should be fixed as shown in the margin.



The estimate provides for roofing with flat and pan tiles to latrine and cook-room. Flat tiles should be omitted and the latter only used.

No mention is made of the mode of getting rid of the smoke from the kitchen of the civil delators cook room. an aperture for escape of smoke is wanted.

Petty supervision, sundries and contingencies have been charged at 6. 1 to  $\frac{1}{2}$  per cent.

The plan and estimate should be corrected and returned at an early date.

Sy W. Farewell, Colonel  
N<sup>o</sup> 145-cc. Deputy Chief Engineer P.W.D.  
To The Dist: Engro: Vizagapatam  
with plan & estimate.

No. 1238

District Engineer's Office  
Waltair 28 August 1877

From The District Engineer  
Vizagapatam

Enclosed are:  
3 Plans  
2 Estimates  
2 Specifications

To The Chief Engineer P.W.D.  
Buildings and Roads Branch  
Madras

Sir,

With reference to your Memos Nos. 22137 & 2237 dated 7<sup>th</sup> and 9<sup>th</sup> August 1877, I have the honor to resubmit the Plans and Estimates for additions and alterations to the Hill Jail at Parvatipur and to the District Jail at Vizagapatam, duly revised in accordance with the instructions contained in your above mentioned Memos.

With reference to the last para of your No. 2213 of 7<sup>th</sup> August 1877, I beg to state that through an oversight on the part of the Draftsman, the rate for Saul wood per cubic foot has been shown as Rs. 2 in one place, and Rs. 2-8-0 in another place in

(Acting)

in the same Estimate. The correct  
rate being only Rs 2-0-0, the Estimate has  
now been altered accordingly.

I have the honor to be

Sir

Your Most Obedt Servant

R. M. M. Major R. E.

District Engineer, Vizagapatam

2/6

4026-7-75 to 202 his  
 " 25-10-75 " 154. —  
 " 22-3-76 - 731.  
 " 27-4-77 - 326 his.  
 " 29-6-77 - 334 1/2

Buildings & Roads  
 From  
 The District Engineer  
 Vizagapatam

To  
 The Chief Engineer P.W.D.  
 Buildings and Roads Branch  
 Madras

No 1238

Dated 28<sup>th</sup> August 1877

No of Enclosures seven  
 To be made

3 plans handed over to the Librarian

28-9-77

Jails at Parvatipore  
 and at Vizagapatam.

Submitting revised  
 Plans and Estimates for  
 additions and alterations to  
 the —

4020: Sept. 77 SB to 14 SB

Am 14-9-77

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following:—

Letter from the Dist. Eng<sup>r</sup> Vizagapatam (H. C. 1<sup>st</sup> 632 d/21<sup>st</sup> June 1877).  
 Chief Engineer's Memorandum (H. C. 1<sup>st</sup> 2237 d/9<sup>th</sup> August 1877).  
 Letter from the Dist. Eng<sup>r</sup> Vizagapatam (H. C. 1<sup>st</sup> 1238 d/28<sup>th</sup> August 1877).

The plans and estimate  
 of Rs. 23,300 for alterations and  
 additions to the Leillah Jail  
 at Vizagapatam are sanctioned.  
 Rs. 2330 being the value of  
 convict labor will have to be  
 deducted from the sanctioned  
 amount.

2. It is observed that  
 Rs. 16,000 have been appropri-  
 ated to this work in the  
 Special Fund Budget of

District Engineer Vizagapatam.  
 Examiner of P.W. Accounts.  
 Inspector General of Jails.  
 Judicial Department.

1877-78.

139.77  
 for duty

Robert Barradine Esq.

Home Secy.

753 W  
8546

Amount 21/6  
agreed to - 9/6  
12/0 - 18/7

Amount 12/0

No 4538 B. & R. Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 20<sup>th</sup> Sept 77.  
Read the following:—

From the Stnys Vizagapatam (H.E. No 632 of 22<sup>nd</sup> June 77)  
Chief Secy's Memorandum (H.E. No 2237 of 9<sup>th</sup> Aug 77)  
From the Stnys Vizagapatam (H.E. No 1238 of 28<sup>th</sup> Aug 77)

The plans and estimate of Rs 23,300 for alterations and additions to the Zillah Jail at Vizagapatam are sanctioned.

2. In para 4 of his letter recorded with Proceedings in the Judicial Department No 997, dated 20<sup>th</sup> April 1877, the Inspector General

R. J.

Special Fund Budget of 1877-78. W.H.  
9/17/77 19.9.77

The sanction accorded in these Proceedings has been registered as Special No 60 B of 1877-78.

of Jails points out that the plan of the building does not show where it is proposed to construct the observation block and yards for prisoners under trial, and in para 3 of his letter No 632 dated 22<sup>nd</sup> June 77 the District Engineer requests instructions on this point. The Inspector General of Jails will arrange for having the site selected.

3. It is observed that Rs. 16000 have been appropriated to this work in the

Stamps Vizagapatnam 4  
Ex. Mr. a/c 5  
Inspector Genl of Jails 3  
Jail Dept 7  
H. L. H. Officer

Recd 27-8-77.

108346  
Govt. of 1877 Madras.  
PUBLIC WORKS.

To *H. G. Hughes*

Dated

Issued

Recd.

Encl.

G. O. No. 2017/1877, No. 753 W.

No. 115. 146

Zillah Jail at Vizagapatam  
sanctions with remarks the  
plans & estimate of Rs 23300  
for alterations & additions to  
the —

*Subd. Secy*  
*29.9.77*

*20*  
*11.11*