M.R.O. 1—77,006—8-6-37.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

# MADRAS RECORD OFFICE.

## Government of Madras.

Finance DEPARTMENT.

| | |
|---|---|
| G.O. No. 11 16-17 | Press / Mis. |
| Dated 6-1- | 1873. |

16-17 2/8

**Not to be folded or roughly handled**

*Proceedings of the Madras Government, Financial Department, 6th January* 1873.

No. 16. Read the following Proceedings of Government, Public Works Department, dated 17th December 1872, No. 2996 :—

Read the following letter from the Superintending Engineer, 7th Division, to the Chief Engineer and Secretary to Government, Public Works Department, dated Coimbatore, 26th November 1872, No. 208 :—

With reference to your Memorandum, No. 174, dated 22nd October last, I have the honour to forward two skeleton estimates with specification therein called for :—

*Estimate for constructing Latrines of twenty-eight Seats of Dry-earth System, framed on the Plan sanctioned in G. O., No. 45, of 7th May* 1872.

| No. | Measurement. L. | B. | D. | Contents. | Particulars of Work. | Rate. Rs. | A. | P. | Per | Amount. Rs. | A. | P. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 2½ | 2½ | 2 | 300 | Foundation to pillars ... ... ... ... | | | | | | | |
| 24 | 2 | 2 | 1 | 96 | Basement to do. ... ... ... ... | | | | | | | |
| ... | 110 | 1¼ | 1 | 137½ | Foundation to walls around ... ... ... | | | | | | | |
| 1 | 45 | ⅝ | ¾ | 25 5/16 | Do. to centre screen wall ... ... | | | | | | | |
| 2 | 12¼ | 1¼ | ¾ | 22 13/16 | Do. to exterior screen walls ... | | | | | | | |
| 26 | 3¾ | ⅜ | ¼ | 36 9/16 | Do. to screen walls dividing seats... | | | | | | | |
| 2 | 4½ | 4 | ¼ | 18 | Do. to water cisterns ... ... | | | | | | | |
| 2 | 3 | 3 | ¼ | 9 | Do. to urinal do. ... ... ... | | | | | | | |
| 2 | 9¼ | 1¼ | ¾ | 17 11/16 | Do. to dry-earth stores ... ... | | | | | | | |
| | | | | 662 1/16 | Cubic feet, or 24½ cubic yards of rough stone-in-chunam ... ... ... ... ... | | | | C. yd. | | | |
| 12 | 1½ | 1½ | 8½ | 256¼ | Pillars above ... ... ... ... | | | | | | | |
| 12 | 1½ | 1½ | 5 | 135 | | | | | | | | |
| ... | 114 | 1 | 3½ | 399 | Walls around including basement ... ... | | | | | | | |
| ... | 12 | 1 | 5¾ | 69 | Do. on sides of openings including basement. | | | | | | | |
| 1 | 45 | ¾ | 3 | 101¼ | Centre screen walls do. ... | | | | | | | |
| 2 | 12 | 1 | 4 | 96 | Exterior do. do. ... | | | | | | | |
| 26 | 3¼ | ⅜ | 3½ | 113⅝ | Screen walls dividing seats ... ... ... | | | | | | | |
| 2 | 14 | ½ | 2½ | 35 | Walls of water cisterns ... ... ... | | | | | | | |
| 2 | 8 | ½ | 1½ | 12 | Do. of urinal do. ... ... ... ... | | | | | | | |
| 2 | 9¾ | ⅝ | 2 | 29½ | Do of dry-earth store ... ... ... | | | | | | | |
| 2 | 44 | 2½ | ¾ | 165 | Under-channels behind the seats ... ... | | | | | | | |
| | | | | 1,391½ | Cubic feet, or 51½ cubic yards of brick or stone-in-chunam including one coat of plaster... ... ... ... ... ... | | | | C. yd. | | | |
| ... | 45 | ... | ... | 45 | Running feet of coping with do. ... ... | | | | R. ft. | | | |
| 28 | 1½ | 1 | ½ | 28 | Covering stones over openings ... ... | | | | Each. | | | |
| 28 | 2½ | 4 | 1 | 280 | Platform, deducting for troughs ... ... | | | | | | | |
| | | | | 280 | Cubic feet, or 10½ cubic yards brick or stone-in-chunam and tarred over ... ... | | | | C. yd. | | | |
| 28 | 6 | 1½ | ... | 252 | Troughs and sides ... ... ... ... | | | | | | | |
| 2 | 44 | 1¼ | ... | 110 | Channels behind the seats ... ... .. | | | | | | | |
| 2 | 56 | ½ | ... | 56 | Urinal channels ... ... ... ... ... | | | | | | | |
| 2 | 1½ | 1½ | ... | 4½ | Do. cisterns ... ... ... ... ... | | | | | | | |
| 2 | 3 | 3 | ... | 18 | Water do. ... ... ... ... ... | | | | | | | |
| | | | | 440½ | Square feet, or 4⅞ squares of flooring with jelly-in-chunam and asphalted over it half inch thick ... ... ... ... ... | | | | Sqr. | | | |
| ... | 50 | 9 | ... | 450 | Passages ... ... ... ... ... | | | | | | | |
| 2 | 50 | 4 | ... | 400 | Centre floor ... ... ... ... ... | | | | | | | |
| | | | | 850 | Square feet, or 8½ squares flooring with jelly-in-chunam and tarred over ... ... | | | | Do. | | | |
| ... | 500 | 3 | ... | 1,500 | Square feet, or 15 squares of tarring the walls behind the seats, interior pillars, dividing screen walls, front of the platform, dry-earth stores, and the walls of the water and urinary cisterns inside ... ... | | | | Do. | | | |
| 2 | 55 | 14 | ... | 1,540 | Square feet, or 15⅞ squares of roofing with jungle-wood bressummers, struts and brackets, purlins, rafters, feather edges, reepers, nails, pot or pan-tiles and chunam borders, etc., complete ... ... ... | | | | Do. | | | |
| ... | 114 | 2½ | ... | 285 | Square feet, or 2 17/16 squares of honeycomb work with brick or tiles in chunam ... | | | | Do. | | | |
| | | | | | Sundries, etc., including excavation ... | | | | | | | |
| | | | | | Total Estimate ... | | | | | | | |

Coimbatore,
26th *November* 1872.

(Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
*Superintending Engineer, 7th Division.*

*Estimate for a new Design of Latrine of Dry-earth System to be constructed at the Taluq Cutcherries in the 7th Division, Public Works Department, for eight Seats, as per Plan sanctioned in G. O., No.* 1,887, *dated 9th August* 1872.

| Number. | Measurement. Length. | Breadth. | Depth. | Contents. | Particulars of Work. | Per | Rate. Rs. | A. | P. | Amount. Rs. | A. | P. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 2 | 2 | 2 | 96 | Foundation to pillars ... ... ... ... | | | | | | | | |
| 12 | 1½ | 1½ | 1 | 27 | Basement to do. ... ... ... ... | | | | | | | | |
| ... | 87 | 1½ | 1 | 108¾ | Foundation to walls around and centre ... | | | | | | | | |
| 10 | 3½ | 1 | ⅔ | 26¼ | Do. to screen walls interior ... .. | | | | | | | | |
| 4 | 4 | 1 | ⅔ | 12 | Do. to dry-earth stores ... ... | | | | | | | | |
| 2 | 2¾ | 2¾ | ¼ | 7 9/16 | Do. to urinal cisterns ... ... | | | | | | | | |
| 2 | 6 | 1¼ | 1½ | 22½ | Do. to screen wall exterior ... ... | | | | | | | | |
| | | | | 302 1/16 | Cubic feet, or 11 cubic yards of rough stone-in-chunam ... ... ... ... ... ... | C. yd. | | | | | | | |
| 12 | 1⅛ | 1½ | 6½ | 98 3/32 | Pillars above (average height) ... .. | | | | | | | | |
| ... | 94 | ⅔ | 3½ | 246 3/32 | Walls around and centre including basement. | | | | | | | | |
| ... | 4 | ⅔ | 2½ | 7⅛ | Ends above the walls behind the seat to support honeycomb work ... .. ... | | | | | | | | |
| 10 | 3½ | ⅔ | 3½ | 91 7/32 | Screen walls interior including basement ... | | | | | | | | |
| 4 | 4 | ½ | 2 | 16 | Dry-earth stores ... ... ... ... | | | | | | | | |
| 2 | 7½ | ⅔ | 1½ | 8 1/16 | Urinal cisterns ... ... ... ... ... | | | | | | | | |
| ... | 14 3/32 | 2½ | ⅛ | 27 3/32 | Under centre channel ... ... ... ... | | | | | | | | |
| 2 | 5½ | ⅔ | 4½ | 37⅛ | Screen wall exterior ... ... ... ... | | | | | | | | |
| | | | | 534 1/16 | Cubic feet, or 20 cubic yards of brick or stone-in-chunam including one coat of plaster ... ... ... ... ... | Do. | | | | | | | |
| 2 | 6 | ... | ... | 12 | Running feet of coping with do. over screen wall exterior ... ... ... ... | R. ft. | | | | | | | |
| 8 | 1½ | ⅔ | ⅔ | 8 | Covering stones over the openings ... ... | Each. | | | | | | | |
| 8 | 2½ | 4 | 1 | 80 | Platform deducting for trough ... ... | | | | | | | | |
| | | | | 80 | Cubic feet, or 3 cubic yards of brick or stone-in-chunam and tarred over ... ... | C. yd. | | | | | | | |
| ... | 14⅔ | 1½ | ... | 18 7/16 | Centre channel ... ... ... ... ... | | | | | | | | |
| 8 | 6 | ⅔ | .. | 36 | Troughs ... ... ... ... ... ... | | | | | | | | |
| 2 | 20 | ¼ | ... | 20 | Urinary channels ... ... ... ... | | | | | | | | |
| 2 | 1½ | 1½ | ... | 4½ | Do. cisterns ... ... ... ... | | | | | | | | |
| | | | | 78 5/16 | Square feet, or ⅛ squares of flooring with jelly-in-chunam and asphalted over it half inch thick ... ... ... ... ... ... | Sqre. | | | | | | | |
| 2 | 20⅔ | 3 | ... | 124½ | } Passages ... ... ... ... ... | | | | | | | | |
| 2 | 12½ | 3 | ... | 75 | | | | | | | | | |
| ... | 14⅔ | 2½ | ... | 33 3/16 | Centre floor ... ... ... ... ... | | | | | | | | |
| | | | | 232 11/16 | Square feet, or 2⅜ squares of flooring with jelly-in-chunam and tarred over ... ... | Do. | | | | | | | |
| ... | 183 | ... | 3 | 549 | Square feet, or 5½ squares of tarring the walls behind the seats, interior screen walls, dry-earth store, and inside walls of the urinal cisterns ... ... ... ... | Do. | | | | | | | |
| ... | 25 | ... | 26 | 650 | Square feet, or 6½ squares of roofing with jungle-wood pillar plates, bressummers, rafters, reepers, nails, pot or pan-tiles and chunam borders, etc ... ... | Do. | | | | | | | |
| ... | 90 | ... | 2½ | 225 | Square feet, or 2½ squares of honeycomb work with brick or tile in chunam ... | Do. | | | | | | | |
| | | | | | Total ... | | | | | | | | |
| | | | | | Sundries, etc., including excavation and concrete bed for foundation ... ... | | | | | | | | |
| | | | | | Total Estimate ... | | | | | | | | |

Coimbatore, (Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
*26th November* 1872. *Superintending Engineer, 7th Division.*

*Proceedings of the Madras Government, Financial Department,*
*6th January* 1873.

*Specification for constructing a Latrine of eight Seats of Dry-earth System.*

Excavation.—Excavation to be made to the required depth according to the nature of the soil and well-rammed with six inches of concrete.

Foundation and Basement.—Rough stone-in-chunam of the dimensions given in the plan should be used.

Superstructure.—Pillars, walls between them, and troughs behind the seats of the dimensions given in plan to be of burnt bricks or of stone-in-chunam properly bonded, leaving openings to troughs in the interior walls, the exterior screen walls to have six inches coping, and the whole structure to receive one coat of chunam plaster well floated and whitewashed, except the portions where tarred.

Honeycomb Work.—To be of either tiles or bricks-in-chunam over the walls all round and centre to two-and-a-half feet high, as shown in the plan.

Covering Stones over Openings.—To be built in the walls over the openings to the troughs, as shown in the plan.

Platform and Troughs.—To be of burnt brick or stone-in-chunam, with trough or duct in the centre, sloping both ways, as per section in the plan. The portion used for standing upon the platform to be of stone where such can be economically provided.

Asphalte flooring and Tarring.—The main central trough, under-ducts and the floor inside of the urinary cisterns to be asphalted half inch thick, and all the walls inside and earth-bins to the height of three feet to be paid over with a coat of tar and asphalte, 3 lbs. of tar to 1 lb. of asphalte well-boiled together and applied hot.

Jelly flooring.—The passage everywhere to be floored with three-inch jelly-in-chunam well-rammed and tarred over with the same mixture as above noted.

Roof.—Roof to consist of good jungle-wood bressummer, pillar caps, rafters with ties, reepers, and feather edge to eaves to be fastened with suitable nails and covered with pan or pottiles and chunam borders.

Gables.—To be left open for ventilation.

All building rubbish to be cleared away from the vicinity of the building after its completion.

Coimbatore, (Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
*26th November* 1872. *Superintending Engineer, 7th Division.*

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*Order, 17th December* 1872, *No.* 2996.

Ordered that these estimates with specification be printed and circulated to District Engineers, and to Municipalities through the Financial Department, with reference to the under-mentioned Orders:—

No. 45, of 17th May 1872.
,, 1,887, of 9th August 1872.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
*Secretary to Government.*

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No. 17. Order thereon, 6th January 1873, No. 11.

Communicated to all Presidents of Municipalities and Local Fund Boards.

(True Extract.)

*Chief Secretary.*

To all Collectors.

Exd. J. Wright.

Govt. of {1873} Madras.

FINANCIAL.

*To*

THE COLLECTORS OF ALL DISTRICTS.

*Dated January, 6th.*

*Recd.* Encl.

*G. O., 6th January* 1873, *No.* 11.

**JANUARY.**
**Nos. 16-17.**

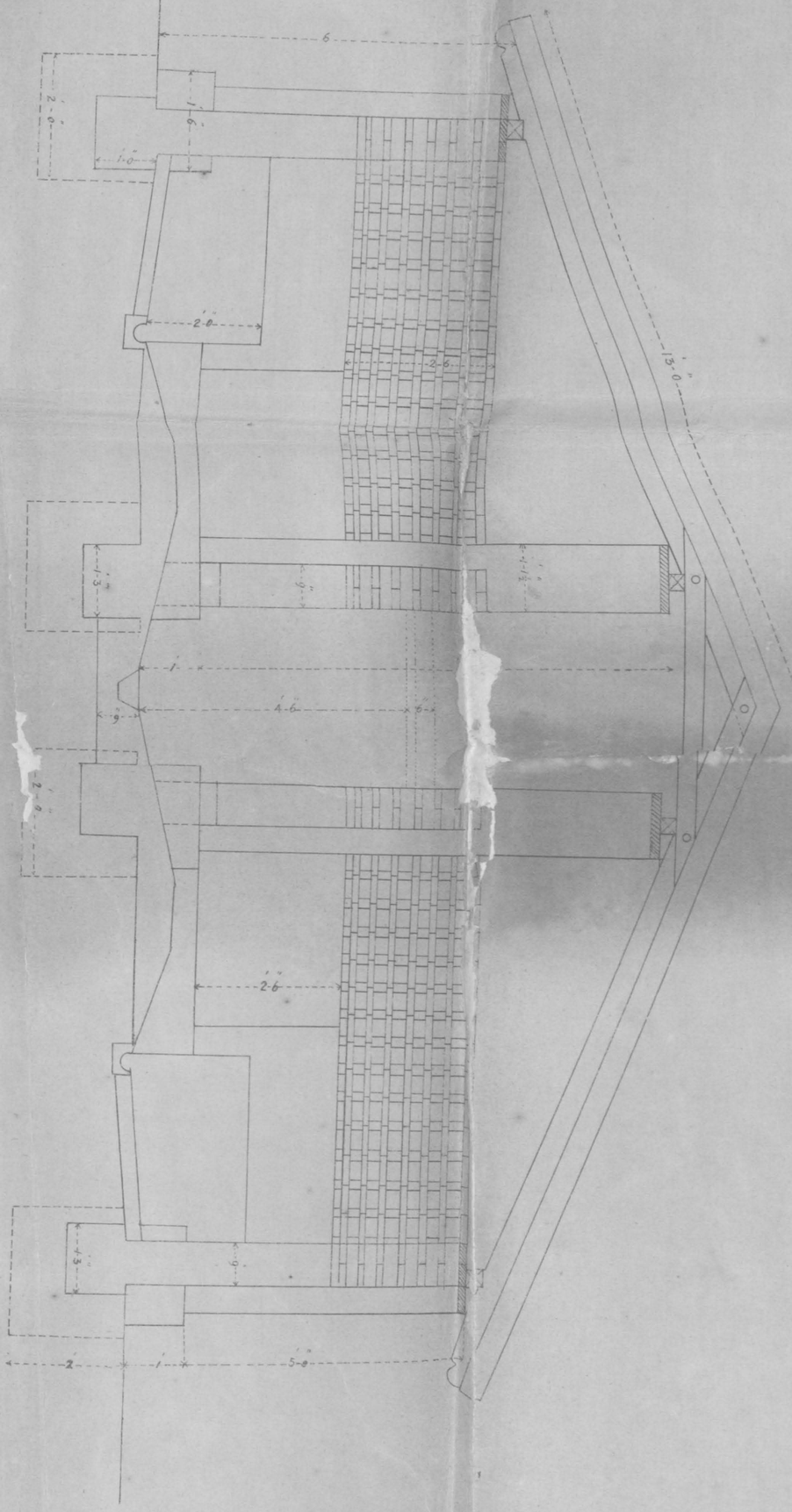
Communicating Proceedings, Public Works Department, directing that the estimates, with specification, for latrine of dry-earth system, be printed and circulated to District Engineers and to Municipalities through the Financial Department.

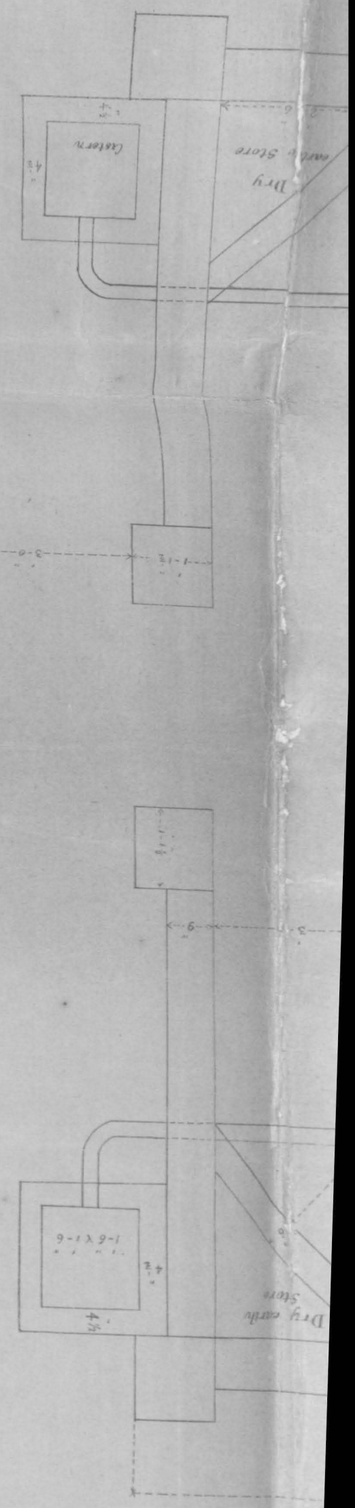
(Signed) W. Tarrant Lieut Colonel S.C.
OIC & Superintending Engr 7th Div

(True Copy)

Supt and Manager
Govt Lithe Press D.P.W

SECTION THRO A.B.



# REVISED PLAN OF A LATRINE

*Scale 2 Feet to an inch*




*Supt Engineer's Office 4th Division*
*Coimbatore 25th May 1872*

*(Signed) A. Wedderburn*
*Collector of Coimbatore*

TRANSFER BY S. PARTHASARATHI. LITHOS BY R.J. BALDREY. AT THE PRESS FOR PUBLIC WORKS MADRAS 1872

## *Proceedings of the Madras Government, Public Works Department,* 17*th December* 1872.

No. 356. Read the following letter from the Superintending Engineer, 7th Division, to the Chief Engineer and Secretary to Government, Public Works Department, dated Coimbatore, 26th November 1872, No. 208:—

WITH reference to your memorandum, No. 174, dated 22nd October last, I have the honour to forward two skeleton estimates with specification therein called for.

*Estimate for constructing Latrines of twenty-eight Seats of Dry-earth System, framed on the Plan sanctioned in G. O., No. 45, of 7th May* 1872.

| No. | Measurement. L. | B. | D. | Contents. | Particulars of Work. | Rate. Rs. | A. | P. | Per | Amount Rs. | A. | P. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 2½ | 2½ | 2 | 300 | Foundation to pillars ... ... ... ... | | | | | | | |
| 24 | 2 | 2 | 1 | 96 | Basement to do. ... ... ... ... | | | | | | | |
| ... | 110 | 1¼ | 1 | 137½ | Foundation to walls around ... ... ... | | | | | | | |
| 1 | 45 | ⅝ | ⅝ | 25 5/16 | Do. to centre screen wall ... ... | | | | | | | |
| 2 | 12½ | 1¼ | ⅝ | 22 11/16 | Do. to exterior screen walls ... | | | | | | | |
| 26 | 3½ | ⅝ | ⅝ | 36 9/16 | Do. to screen walls dividing seats... | | | | | | | |
| 2 | 4½ | 4 | ¼ | 18 | Do. to water cisterns ... ... | | | | | | | |
| 2 | 3 | 3 | ¼ | 9 | Do. to urinal do. ... ... ... | | | | | | | |
| 2 | 9½ | 1¼ | ½ | 17 11/16 | Do. to dry-earth stores ... ... | | | | | | | |
| | | | | 662 1/16 | Cubic feet, or 24½ cubic yards of rough stone-in-chunam ... ... ... ... ... | | | | C. yd. | | | |
| 12 | 1½ | 1½ | 8¾ | 236¼ | } Pillars above ... ... ... ... | | | | | | | |
| 12 | 1½ | 1½ | 5 | 135 | } | | | | | | | |
| ... | 114 | 1 | 3½ | 339 | Walls around including basement ... ... | | | | | | | |
| ... | 12 | 1 | 5¾ | 69 | Do. on sides of openings including basement. | | | | | | | |
| 1 | 45 | ⅝ | 3 | 101¼ | Centre screen walls do. ... | | | | | | | |
| 2 | 12 | 1 | 4 | 96 | Exterior do. do. ... | | | | | | | |
| 26 | 3¾ | ½ | 3½ | 113¾ | Screen walls dividing seats ... ... ... | | | | | | | |
| 2 | 14 | ½ | 2½ | 35 | Walls of water cisterns ... ... ... | | | | | | | |
| 2 | 8 | ¼ | 1½ | 12 | Do. of urinal do. ... ... ... ... | | | | | | | |
| 2 | 9¾ | ⅝ | 2 | 29¼ | Do of dry-earth store ... ... ... | | | | | | | |
| 2 | 44 | 2½ | ¾ | 165 | Under-channels behind the seats ... ... | | | | | | | |
| | | | | 1,391¼ | Cubic feet, or 51½ cubic yards of brick or stone-in-chunam including one coat of plaster... ... ... ... ... ... | | | | C. yd. | | | |
| ... | 45 | ... | ... | 45 | Running feet of coping with do. ... ... | | | | R. ft. | | | |
| 28 | 1½ | 1 | ½ | 28 | Covering stones over openings ... ... | | | | Each. | | | |
| 28 | 2½ | 4 | 1 | 280 | Platform, deducting for troughs ... ... | | | | | | | |
| | | | | 280 | Cubic feet, or 10⅜ cubic yards brick or stone-in-chunam and tarred over ... ... | | | | C. yd. | | | |
| 28 | 6 | 1½ | ... | 252 | Troughs and sides ... ... ... ... | | | | | | | |
| 2 | 44 | 1¼ | ... | 110 | Channels behind the seats ... ... .. | | | | | | | |
| 2 | 56 | ½ | ... | 56 | Urinal channels ... ... ... ... ... | | | | | | | |
| 2 | 1½ | 1½ | ... | 4½ | Do. cisterns ... ... ... ... ... | | | | | | | |
| 2 | 3 | 3 | ... | 18 | Water do. ... ... ... ... ... | | | | | | | |
| | | | | 440¼ | Square feet, or 4⅜ squares of flooring with jelly-in-chunam and asphalted over ½ half inch thick ... ... ... ... ... | | | | Sqr. | | | |
| ... | 50 | 9 | ... | 450 | Passages ... ... ... ... ... | | | | | | | |
| 2 | 50 | 4 | ... | 400 | Centre floor ... ... ... ... ... | | | | | | | |
| | | | | 850 | Square feet, or 8½ squares flooring with jelly in chunam and tarred over ... ... | | | | Do. | | | |
| ... | 500 | 3 | ... | 1,500 | Square feet, or 15 squares of tarring the walls behind the seats, interior pillars, dividing screen walls, front of the platform, dry-earth stores, and the walls of the water and urinary cisterns inside ... ... | | | | Do. | | | |
| 2 | 55 | 14 | ... | 1,540 | Square feet, or 15⅖ squares of roofing with jungle-wood bressummers, struts and brackets, purlins, rafters, feather edges, reepers, nails, pot or pan-tiles and chunam borders, etc., complete ... ... ... | | | | Do. | | | |
| ... | 114 | 2½ | ... | 285 | Square feet, or 2½ squares of honeycomb work with brick or tiles in chunam ... | | | | Do. | | | |
| | | | | | Sundries, etc., including excavation ... | | | | | | | |
| | | | | | Total Estimate ... | | | | | | | |

COIMBATORE,
26*th November* 1872.

(Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
*Superintending Engineer, 7th Division.*

*Estimate for a new Design of Latrine of Dry-earth System to be constructed at the Taluq Cutcherries in the 7th Division, Public Works Department, for eight Seats, as per Plan sanctioned in G. O., No.* 1,887, *dated 9th August* 1872.

| Number. | Measurement. Length. | Breadth. | Depth. | Contents. | Particulars of Work. | Per | Rate. Rs. | A. | P. | Amount. Rs. | A. | P. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 2 | 2 | 2 | 96 | Foundation to pillars ... ... ... ... | | | | | | | | |
| 12 | 1½ | 1½ | 1 | 27 | Basement to do. ... ... ... ... | | | | | | | | |
| ... | 87 | 1½ | 1 | 103½ | Foundation to walls around and centre ... | | | | | | | | |
| 10 | 3½ | 1 | | 26¼ | Do. to screen walls interior ... .. | | | | | | | | |
| 4 | 4 | 1 | | 12 | Do. to dry-earth stores ... ... | | | | | | | | |
| 2 | 2¼ | 2¼ | | 7 9/16 | Do. to urinal cisterns ... ... | | | | | | | | |
| 2 | 6 | 1½ | 1½ | 22½ | Do. to screen wall exterior ... ... | | | | | | | | |
| | | | | 302 1/16 | Cubic feet, or 11 cubic yards of rough stone-in-chunam ... ... ... ... ... | C. yd. | | | | | | | |
| 12 | 1½ | 1½ | 6½ | 98 13/32 | Pillars above (average height) ... .. | | | | | | | | |
| ... | 94 | | 3½ | 2162 | Walls around and centre including basement. | | | | | | | | |
| ... | 4 | | 2½ | 7½ | Ends above the walls behind the seat to support honeycomb work ... .. ... | | | | | | | | |
| 10 | 3½ | 2 | 3½ | 91 7/8 | Screen walls interior including basement ... | | | | | | | | |
| 4 | 4 | 4 | 2 | 16 | Dry-earth stores ... ... ... ... | | | | | | | | |
| 2 | 7½ | 2 | 1½ | 8 7/16 | Urinal cisterns ... ... ... ... ... | | | | | | | | |
| ... | 14 3/16 | 2½ | 2 | 27 23/32 | Under centre channel ... ... ... ... | | | | | | | | |
| 2 | 5½ | 2 | 4½ | 37½ | Screen wall exterior ... ... ... ... | | | | | | | | |
| | | | | 531 1/16 | Cubic feet, or 20 cubic yards of brick or stone-in-chunam including one coat of plaster ... ... ... ... | Do. | | | | | | | |
| 2 | 6 | ... | ... | 12 | Running feet of coping with do. over screen wall exterior ... ... ... ... | R. ft. | | | | | | | |
| 8 | 1½ | ¾ | ½ | 8 | Covering stones over the openings ... ... | Each. | | | | | | | |
| 8 | 2½ | 4 | 1 | 80 | Platform deducting for trough ... ... | | | | | | | | |
| | | | | 80 | Cubic feet, or 3 cubic yards of brick or stone-in-chunam and tarred over ... ... | C. yd. | | | | | | | |
| ... | 14½ | 1½ | ... | 18 7/16 | Centre channel ... ... ... ... ... | | | | | | | | |
| 8 | 6 | ¾ | ... | 36 | Troughs .. ... ... ... ... ... | | | | | | | | |
| 2 | 20 | ½ | ... | 20 | Urinary channels ... ... ... ... | | | | | | | | |
| 2 | 1½ | 1½ | ... | 4½ | Do. cisterns ... ... ... ... | | | | | | | | |
| | | | | 78½ | Square feet, or ½ squares of flooring with jelly-in-chunam and asphalted over it half inch thick ... ... ... ... ... | Sqre. | | | | | | | |
| 2 | 20½ | 3 | ... | 124½ | } Passages ... ... ... ... ... | | | | | | | | |
| 2 | 12½ | 3 | .. | 75 | } | | | | | | | | |
| ... | 14½ | 2½ | ... | 33 3/16 | Centre floor ... ... ... ... ... | | | | | | | | |
| | | | | 232½ | Square feet, or 2⅜ squares of flooring with jelly in chunam and tarred over ... ... | Do. | | | | | | | |
| ... | 183 | ... | 3 | 549 | Square feet, or 5¼ squares of tarring the walls behind the seats, interior screen walls, dry-earth store, and inside walls of the urinal cisterns ... ... ... ... | Do. | | | | | | | |
| ... | 25 | ... | 26 | 650 | Square feet, or 6½ squares of roofing with jungle-wood pillar plates, bressummers, rafters, reepers, nails, pot or pan-tiles, and chunam borders, etc ... ... ... | Do. | | | | | | | |
| ... | 90 | ... | 2½ | 225 | Square feet, or 2½ squares of honeycomb work with brick or tile in chunam ... | Do. | | | | | | | |
| | | | | | Total ... | | | | | | | | |
| | | | | | Sundries, etc., including excavation and concrete bed for foundation ... ... | | | | | | | | |
| | | | | | Total Estimate ... | | | | | | | | |

COIMBATORE,
*26th November* 1872.

(Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
*Superintending Engineer, 7th Division.*

4



*Specification for constructing a Latrine of eight Seats of Dry-earth System.*

EXCAVATION.—Excavation to be made to the required depth according to the nature of the soil and well-rammed with six inches of concrete.

FOUNDATION AND BASEMENT.—Rough stone-in-chunam of the dimensions given in the plan should be used.

SUPERSTRUCTURE.—Pillars, walls between them, and troughs behind the seats of the dimensions given in plan to be of burnt bricks or of stone-in-chunam properly bonded, leaving openings to troughs in the interior walls, the exterior screen walls to have six inches coping, and the whole structure to receive one coat of chunam plaster well floated and whitewashed, except the portions where tarred.

HONEYCOMB WORK.—To be of either tiles or bricks-in-chunam over the walls all round and centre to two and a half feet high, as shown in the plan.

COVERING STONES OVER OPENINGS.—To be built in the walls over the openings to the troughs, as shown in the plan.

PLATFORM AND TROUGHS.—To be of burnt brick or stone in chunam, with trough or duct in the centre, sloping both ways, as per section in the plan. The portion used for standing upon the platform to be of stone where such can be economically provided.

ASPHALTE-FLOORING AND TARRING.—The main central trough, under-ducts and the floor inside of the urinary cisterns to be asphalted half inch thick, and all the walls inside and earth-bins to the height of three feet to be paid over with a coat of tar and asphalte, 3 lbs. of tar to 1 lb. of asphalte well-boiled together and applied hot.

JELLY-FLOORING.—The passage everywhere to be floored with three-inch jelly-in-chunam well-rammed and tarred over with the same mixture as above noted.

ROOF.—Roof to consist of good jungle-wood bressummer, pillar caps, rafters with ties, reepers, and feather edge to eaves to be fastened with suitable nails and covered with pan or pot-tiles and chunam borders.

GABLES.—To be left open for ventilation.

All building rubbish to be cleared away from the vicinity of the building after its completion.

COIMBATORE,
*26th November* 1872.

(Signed) W. FAREWELL, Lieut.-Colonel, Staff Corps,
*Superintending Engineer, 7th Division.*

No. 357. ORDER ~~THEREON~~, 17th December 1872, No. 2,996.

CIVIL WORKS, No. 19.

ORDERED that these estimates with specification be printed and circulated to District Engineers, and to Municipalities through the Financial Department, with reference to the under-mentioned Orders:—

No. 45, of 17th May 1872.
,, 1,887, of 9th August 1872.

(True Extract.)

Colonel, R. E.,
*Secretary to Government.*

To the District Engineers.
,, Major R. B. Kennedy.
,, the Financial Department.
,, the Revenue do.

Exd. A. S. Rodgers.

Financial Department

Govt. of {1872} Madras.

PUBLIC WORKS.

No 2638

To

THE DISTRICT ENGINEERS

&c., &c., &c.

Dated December 17th.

Read. — — 21st Encl.

G. O., 17th December 1872 No. 2,996.

DECEMBER.

Nos. 356-357

5

No. 6 January 1873 No. 11.

Lahore.—The estimates with specification for latrine of dry-earth system ordered to be printed and circulated to District Engineers, and to Municipalities through the Financial Department.

Commr Trade Presidency Municipalities & L.F. Bds

All Collectors Lyon - 120 dispd 1/4 Sol. Bonds

Govt. of {1873} Madras.

Financial

To

The Collectors of all districts.
&c.

Dated 6th January {illegible}

Rec'd. Ans.

G. O. 6 January, 1873, No. 11

Nos. 16-17

Communicating
Proc. Pub. W. D. directing that the estimates with specification for latrine of dry earth system be printed & circulated to District Engineers, & to Municipalities through the Printg. Depy.