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MADRAS RECORD OFFICE

Government of Madras

Public works. DEPARTMENT

G.O. No.	2674	Press
B.P. No.		Mis.
4-5.		
Dated	1-11-	1951/873

Not to be folded or roughly handled

Office of the Inspecting Engineer
for Civil & Military Buildings

No 1276 and of the date 7 October 1873

From

Colonel E A Foord RE.

Inspecting Engineer

for Civil & Military Buildings

Colonel G. W. Walker RE

Secretary to Government

S. W. Department.

Sir,

I have the honor to forward

Enclosures 1/1

8 Plans.

3 Abstract
estimates.

3 Specifications.

for the sanction of Government the

undermentioned estimates accompanied

by Plans & Specifications for Salug

Cutcheries and subsidiary jails in

the Cuddapah District.

i Sidhant Salug Cutchery Rs 31,200

ii Madri Salug Cutchery Rs 24,200

2. The District Engineer forwarded

the estimates in the first instance to

the Chief Engineer, and he pointed out

at the time that the Sidhant Salug

Cutchery

Letter No 574
dated 10 March
1873

Revenue. A sum of 1800 Rupees has been added to the estimate for a compound wall, but if an ploe hedge is considered sufficient, no addition to the estimate is needed on that account

I have the honor to be,
 Sir,
 Your most obedt. Servt.
 E A Smith Esq. R.E.
 Inspecting Engineer
 for Buildings

Report to accompany Estimate for constructing
 a Valug Cutchery at District.

Estimate Rupees 31200-00	comprising
the following items viz	
Valug Cutchery & veranda, etc.	2600-00
Hospital shed	1110-00
Store Room	2401-00
Latrine for Jail	394-00
for Public	394-00
Wells	1500-00
Compound wall	2690-00
Compensation for land	80-00
Graveling Compound wall &c	50-00
Add for new Numbers	21-00
Total Estimate Rupees 31200-00	

1. The Building has been constructed according to Standard Plan issued from the Central Office and approved in L.O. No 3552 of 18 November 1867 on a basement 3 feet in height above the foundation.

The

The foundation is 3 feet in depth and principal walls are on average 14 feet in height, roofed with flat & pan tiles, Chunam borders and teak wood reefers. The roof over Treasury is terraced.

The walls of the Baidir are constructed of stone in Chunam & around Doors, Windows & Ventilators are of Brick in Chunam. The whole of the wood work, comprising Veranda Posts, trusses, rafters Ventilators, Doors, Windows are to be of the best seasoned teak wood.

2. The out. buildings are to consist of an Hospital shed, Cook room, Latrines and Ryot shed.

3. Connection to the Hospital shed to be sunk 3 feet, basement raised to 2 feet, and the principal walls to a height of 8 feet. The work to be done in front to a height of $2\frac{3}{4}$ feet above the basement. Foundation, Basement & Superstructure are to be built of Stone in Chunam.

All the wood work to be of good seasoned teak.

4. Cook Room to have a foundation of 2 feet in depth and built of stone in Chunam. The basement and walls are also to be built of stone in Chunam and raised to a height of $1\frac{1}{2}$

and 8 feet respectively, all the wood work to be of teak.

5. Latrines to be constructed according to Standard Plan circulated with G.O. No. 2807, dated 23rd August 1892.

All the wood work to be of teak.

6. Ryot shed to have a foundation of 2 feet, and constructed of stone in Chunam and basement raised to one foot above the foundation and built of stone in Chunam. All the wood work to be of teak. Estimate prepared in accordance with the Revised Plan circulated with G.O. No. 232, dated 23rd April 1892.

7. The whole of the out. house with the exception of Ryot shed which is to be pointed all round the basement, are to be plastered inside & pointed outside with roof of flat and pan tiles with Chunam borders.

8. The whole Building with the exception of Cook Room are to be paneled with stone slabs one foot square obtained from the Pashpagheri or a Quarry in Paddipah Block.

9. Compound wall to be built of stone and pointed with Chunam on either sides and coping over it.

Foundation and Superstructure of
gate Pillars are to be built of Stone in
Chunam.

[Signature]
Accepted
12/5/87

—buddhagata, Dikshat—

Build up a better house
12/5/87

Refused to accept

Structure for construction

a large, airy, airy

Refused

18.01.54 98/73

10.01.26 74-1/10/10/10

Specification to accompany
the estimate for constructing 2 latrines,
Pyot shed, Hospital shed, and
Cook Room to be built in the new
Salug futcherry at Kaddree,
amounting to Rupees ⁴⁵⁸⁰ 5960-
comprising the following items.

Jail Latrine—1170-0-0

Public—1170-0-0

Pyot shed—1170-0-0

~~Canceled Hospital shed—1380-0-0~~

Cook Room—465-0-0

Latrines

Excavation:- Excavation to be made
to the necessary depths as shown on
the section.

Foundation and Basement:- Laths
of Burnt Stone in Chunam, and will
be of the dimensions shown on the
Plan and Section.

Superstructure:- Pillars, walls
between them, and troughs behind
the seats and exterior screen walls.
to be of the dimensions shown on
the plan and section, they will
be

built
bed of Burnt stone in Chinam,
properly bonded, leaving open-
ings in the walls to troughs.
The exterior screen wall inside
wall between seats, dry earth
stores, urinal and water cistern
to be of the dimensions shown
on the plan and section to be
built of Burnt Brick in Chinam.
The whole to receive 1 coat of Chinam
except where it is to be tarred.

Honeycomb work. To be of brick
in Chinam over the walls all round,
it will be $2\frac{1}{2}$ high, as shown
in the plan.

Plat form and Trough. To be of
Burnt stone in Chinam, with
trough or duct in the center sloping
both ways as per section in the plan.
The portion used for standing on
will be of stone.

Asphalt flooring and Lining. The
main central under plate and the
floor inside of the urinal cistern
to be asphalted half inch thick,
and all the walls inside. Plat form
and

and earth lin to the height of
3 feet, to be laid over with a coat
of tar and asphalt, 3 parts of tar
to 1 of asphalt well boiled together
and applied hot.

Felly flooring. The passage everywhere
to be floored with 3" felly
in Chinam well jammed and
tarred over with the same mixture
as above noted.

Roof. Roof to consist of good
teak wood, Pillar Caps, Rafters
with ties, piers and feather edges
to eaves to be fastened with suitable
nails and covered with flat
span tiles and Chinam borders.

Gables. To be left open for
ventilation, all rubbish to be
cleared away from the vicinity
of the building after its completion.

Excavated.
Excavation and filling in basement.
The foundations of the retaining
walls to be dug out to a depth
of 3 and 2 wide, all round, for
the wooden posts the excavation will
be

be 3' square & 3' deep. The Basement will be filled in with earth up to a level 6" below the top of the retaining walls, and will be rammed to receive the concrete flooring.

Masonry. The foundations and basements to be of Burnt Stone in Chumam, the Basement to be roughly dressed and cross pointed.

Concrete. Under & around the wooden posts will be filled in concrete to be well rammed 3' x 3' x 3' the bottom of the post will be 1 1/2' below ground level. The flooring will consist of a layer of 6" of concrete well rammed down, it will be 2" higher along the centre line than at the sides, giving it a slope of 1" in feet. The surface will be well rubbed down and receive 3 coats of Lac.

Wood work. The whole of the wood work to be of Teak wood, well seasoned and free from cracks

cracks shakes or flaws of any kind, the whole of the joints & carps to be well and truly made.

Roofing. The roof to consist of 1 course of flat tiles and 2 courses of Pan tiles, these will be laid over teak wood keepers laid 6" from centre to centre, the keepers will be 2 1/2' by 3/4', over the tiles will be Chumam borders and ridges, the borders to be 12" wide and about 3 feet or part.

Painting. The joints of the basement will be packed out and pointed with Chumam.

~~Cancelled Hospital Sheet~~

~~Excavation and filling in basement.~~
The trench for the foundations to be dug out to a depth of 4 feet and 2' wide throughout. The Basement to be filled in and well rammed up to within 6" of the top of the basement.

Concrete. Below the foundation will

will be laid a bed of concrete 1' thick and 8' feet wide well rammed down.

Masonry.— The whole of the foundation, Basement and Superstructure to be of a Burnt stone in Chumam, the basement and Superstructure to be hammer dressed and the joints to be raked out and well and neatly pointed on the exterior face.

Flooring.— The flooring to consist of a layer of 6" of concrete well rammed down and coated with 3 coats of Lar.

Cornices.— A plain neat cornice work to be done in gable walls.

Plastering.— The whole of the interior to be plastered with 2 coats of Chumam and neatly finished off.

Roofing.— The roof to consist of

of courses of flat tiles and 2 courses of pan tiles, laid over Teak wood joists laid 6" from center to center. The purlins will be 2 1/2" x 3 1/4", over the tiles will be laid of human borders, and ridges, they will be 12" wide, the borders to be about 3' apart.

Wood work.— The whole of the wood work will be of Teak wood, well seasoned and free from shakes cracks & flaws of any kind all joints and scarps to be well and truly made.

Trallies work.— To be done in front to a height of 2 3/4 feet above the base & front.

Work Done.

Excavation and filling in basement. The trench of the foundations will be dug out to depth of 3' and will be 2' wide throughout. The basement will be filled in with earth up to a level of 6" of the top of the basement and will be well rammed down.

Masonry.— The whole of the foundation, Basement, and Superstructure

Superstructure will be of Burnt
stone in Chumam the basement
and superstructure to rough dressed
and the joints to be raked out and
neatly pointed throughout.

Wood Work The whole of the
wood work to be of Teak wood,
well seasoned and free from flaws.

Roofing The roofing to consist
of 1 course of flat tiles and 2
courses of Paulownia laid over
rafter of teak wood $2\frac{1}{2} \times \frac{3}{4}$ laid
6" from centre to centre over the
tiles will be laid Chumam borders
12" wide the borders to be about 3
feet apart.

Flooring The flooring to
be of concrete 3" thick with a smooth
finish and to receive coats of
Tar - all buildings rubbish and
to be cleaned away from the
vicinity of the buildings after
their completion.

Ludlapah (H. Hughes)
officer

Camp Yerrumolawampah

24 March 1873

Willie
District Engineer
Ludlapah

Compared

1873

Enclosure of Letter
From M/22

The District Surg.
Suddapah
D. 5 April 1873
No 21.
The Secretary to Govt.
C. P. B.

Incl. in a letter No 1236
Dated 26 March 73
P. 2674
Received p. W. 5498/73

Specification to accompany
the Estimate for
Constructing 2 Latrine
Sheds, Hospital
Shed and Cook Room
to be built in the New
Talaj Puteherry at
R. adirry.
Est No 5960.
1/5/73

24 March 1873

Specification to accompany the Estimate
for constructing a new Talaj Puteherry
and Subsidiary Jail at R. adirry.

Excavation

Excavating. Excavates the trenches
to the full depths shown in the Estimate,
or to such depths as the Officer in charge
of the work may direct.

~~Keep~~ Clear away all steps that
may prevent during the progress of the work.

Filling in. On receiving an order
in writing from the Officer in charge of the
work, fill in the sides of the completed
masonry in layers of not greater
thickness than twelve inches. Material
at a time will water and rain with
approved beaten each layer, until the
whole is brought up to the level of the ground.

Flooring Foundation. Fill in the upper three courses below flooring in layers of six inches and immediately under floor, ram 3 inches of broken brick rubbish to form a foundation for flooring.

Scaffolding. Erect, maintain, and dismantle under orders all masonry scaffolding and centring. The scaffolding will consist of approved country wood or Palmyrah uprights ~~traced~~ with pieces of the same material, and strongly fastened with rope.

Clear away ^{on} completion. On completion of work clear away all rubbish which may have accumulated, during the progress of the work and all implements machinery and materials used during its construction. Remove stains of white wash or lime from

wood work. Oil and render effective all door furniture and fastenings, and deliver the work up in a good neat and workmanship manner.

Stone Mason. Stone under steps. Provide and lay on even beds stones under all steps. dress all beds two lines generally.

Steps. Provide and lay stone steps in front of Vicarage of Court house and Public, six inches in thickness. Tailed and ~~tailoured~~ at least four inches. Dress under heads and joints three lines however dress all other surfaces. Make up masonry under steps and set in mortar truly level make square angles alternating the joints as the steps use.

Chimney and Arch work in Public. Provide dress and build one column base and cap in cut stone two lines dress, also four steps arches of the form and dimension shown on the drawings.

Spirals - Make a spiral ^{stair} ~~case~~ of the form and dimensions shown on the drawings.

Stone Slabs - Provide deep, and fix stone Slabs to the sills of all doors and openings to the edges of curved way and Verandahs. Over honey combed brickwork Jail ventilators, and all doors of the dimensions given in the Estimate to deep smooth all upper surfaces of Slabs in openings & all other portions with one line.

Stone Slabs for flooring - provide and lay in mortar truly level granite Slabs four inches in thickness to floor of the whole building internally except that of subsidiary Jail, also to Public and Verandahs in front of Court house and in rear of Courtadars and Cashiers rooms. make close joints and finish off neatly.

Iron mangle.

Iron gratings - Provide and fix with screws specified hereafter, and iron gratings to subsidiary Jail of the form and dimensions shown on the drawings and in Estimate.

Iron barred windows - Provide and fix seven barred windows to second room of the form and dimensions shown on the drawings. also fix five Circular barred windows 2 feet in diameter for the same portion of the Building.

Iron Doors - Provide and fix in Jail ward & six iron doors of the form and dimensions shown on the drawings. Provide one strong iron Pad-lock for each door.

Iron tie rods - Supply to Carpenter eleven iron tie rods of the form and dimensions shown on the drawings, and end to have octagonal head, and three inches by one eighth inch washers. Upper end nine inches of wire and double nuts and washers.

Shaps - Supply to Carpenter two shaps for each trap formed one and a half inch by three eighths inch square forged to half inch screw at ends bearing plates one and three fourths by

half inch with nuts and washers.

Finial. Provide and fix a wrought iron finial to apex of Turret of the form and dimensions shown on the drawings.

Take particular care to render the overlaps water tight and putty all crevices before pointing.

Spikes. Nails screws &c. Supply to carpenter all masonry spikes, nails screws and tacks.

Bolts. Supply for each half door two upper, one lower and one cross Bolt; also two hinges of scantlings and workmanship approved of by the officer in charge of the work.

Straps for hail gratings. Provide and fix two straps, with rivets for each grating of the form and dimensions shown on the drawings.

Iron pin Locks. Provide each door with one iron lock complete nine inches in length of workmanship approved of by the officer in charge of the work.

Bricklayers

Concrete. After the trenches have been opened out, to the full depths determined on by the officer in charge of the work and to the uniform breadth of five feet with water and ram in two layers twelve inches of concrete composed as follows. Two parts of broken stone, one of gravel one of sharp river sand and one of lime. Lay also a course of same material six inches in thickness over the broken brick, for the reception of slabs and asphalt flooring respectively as provided for in the Estimate, but the first layer to a true and level bed with heavy beater and finish off with ordinary flat wooden beater.

Asphalt flooring. Asphalt floor of subsidiary soil above concrete with a coat of asphalt composition - one and one fourth inches thick, the composition to be prepared with one and one half by weight of sand and to one of asphalt finished off smooth on surface.

Masonry in foundation. After the Building

has been laid out by the Officer in charge of the work, lay the whole of the foundation above the concrete, with burnt granite stone in mortar, two and three fourths feet broad and two and one half feet in depth, or such other depth as the Officer in charge of the work may direct.

The breadth of walls of Cashiers and Sherikadars Rooms will be 3 feet.

Masonry in Basement. After the foundations have been constructed, lay basement of Outlines, two feet broad and two feet in height, with the exception of the walls of Cashiers and Sherikadars rooms. which are to be two and one fourth feet in breadth and of retaining walls of Verandahs and covered way which are each to be but one and one half feet broad of burnt granite in mortar.

Masonry Superstructure. Construct all walls, above basement except those hereafter mentioned, one and one half feet broad and to the heights shown on Plan and Estimate.

3.
The walls of Sherikadars and Cashiers rooms will be one and three quarters feet thick, and that of partition wall between Private and Lost property Rooms one foot thick. The whole of the masonry to be burnt stone in mortar. hammer dressed and neatly and well bonded.

Circular Arch work. Construct Circular arches of burnt granite in mortar (the bed to be roughly cut) one and one half feet in depth - over all openings and windows in record room -

Flat arch work. Construct flat arches one and one half feet in depth over all doors of burnt stone in chunam and deep beds roughly so as to make close joints.

Honey Comb Work. Enclose front and rear of Inspectors Room, with honey comb brick work ^{one} and one half feet in thickness as provided in the Estimate.

Defects to be made good. After the roofing and fixtures have been completed make good all defects in masonry.

caused by the execution of other works and play
all put log holes.

Masonry to be coursed. The whole of
the masonry to be roughly coursed and
hammer dressed on face and beds and to be
laid in a neat and workman like manner.

Pointing. Take out the exterior joints
of all masonry work, to the depth of $\frac{1}{2}$
an inch well wash the surface, and point
with flush pointing. The mortar to be
toned to the colour of the stone.

Plastering. Plaster the whole of the
Building internally, with the two coats of
Chunam, the second coat to be finished
off fine and to receive two coats of
whitewash.

Pucca Terrace flooring. Floor Record
Room. with Pucca Terrace flooring laid
over joists, as allowed for in the Estimate,
and Plaster some on top and bottom in the
usual manner.

Sloping or Bengal Terrace. Roof the
whole of the Building except Turret, with
a Sloping or Bengal terrace Roof, consisting

of Rafters, rippers, the courses of flat
Tiles, three coats of plastering underneath.
The rippers to be two and one half inches
broad and one half inches in thickness.

Finish off the whole of the Terrace
neatly, and in the usual manner.

Flashing. Where the spiral intercepts
the Record room, and where the low
roofs abut the walls of Record Room
provide and fix lead flashing nine inches
broad grooved in masonry three fourths
inch and neatly beaten.

Exterior Drain. All round the
exterior building a drain of granite
slabs as sketched on the margin
varying the section of the drain
according to the slope of the ground.



Carpenter.

Trusses. Provide frame and fix all Trusses
of the dimensions and forms shown on the drawings
and in the Estimate. The heels of rafters

will be let into the tie beams and thapped down tight, and the beams allowed to butt simply. Over the heads a chock hollowed pit so as to cover the joints, will be fixed on and fastened by the first nut. The struts will butt simply against the tie beam and be held in their places by round pieces of wood. the upper end will be hilled into rafters. when trusses are hoisted put on the ridge, over the King, rock heads, and screw the second nut down tight. Have the purlins and rafters, each to the extent of one inch. support the purlins over the wall in centre between trusses.

Rafters to be notched. Notch the rafters but on no account cut the purlin into the purlins themselves. Set every rafter project four feet six inches beyond the outer edge of Purlin over wall. Bring each rafter up against the ridge and spike it as shown on the drawings. Put every rafter at a distance of three feet six inches, from the wall purlin - supply and fix in position all rafters as provided for in the Estimate. Brains suspended pieces &c. Provide and fix in position all Beams, Breestummers Joists Ridge Poles, Purlins, suspended pieces

and posts enumerated in the Estimate and of the scuttling or shown therein. Provide Door, window and grating frames. Provide frame and fix all necessary door, window and grating frames, and of the several scuttling shown on the drawings.

Paintle and Venetian doors. Provide frame and fix twenty four Doors, two third painted and third Venetian, with hinges, bolts and locks complete of the dimensions shown on the drawings. Venetian shutters. Provide frame and fix seven Venetian shutters with peculiar heads of the dimensions shown on the drawings.

Batten door. Provide frame and fix six Batten doors for shut with hinges and bolts complete. formed of battens six inches by one and one half, or eleven inches by one and one fourth inch plank.

Painting. Paint all exterior and exposed surfaces of wood, three coats, good oil colour of some warm colour as near as possible like the wood.

Turret roof. Cover the Turret with a wooden head above the tinning, comprising

Frame eight position windows complete, with wooden caps above as shown on the drawings. Secure the head to a masonry by iron rods as shown on the drawings and finish off the whole in a neat and workmanlike manner. Take particular care as to frame the whole of the covering strongly and to make it water tight.

Workmanship and Materials

The wood will be best well seasoned and free from knots or other defects - clean wrought and finished with European tools - all mortises, mitres and joints of every description, will be carefully cut and executed in a clean and workmanlike manner.

The iron will be of the best quality clean wrought and welded hot, with an approved cap. all bolts will be provided with washers twice the diameter of nut or head. The stone ^{used} will be good burnt granite laid in courses not exceeding six inches in height.

The mortar will be composed of one part of stone Lime to one and one half parts of clean sharp sand, well pounded and mixed fresh before using. The white wash will have a proportion of glue mixed hot for sizing. The concrete, will consist of two parts of broken stone, one of gravel, one of sand and one of Lime, well rammed and thrown in a ^{fluid} fluid state.

Guddipati,
District Engineer
10th March 1873


District Engineer
of Guddipati

the an child

and income taxes, we were never in
trouble and should be provided

[illegible]

Op. 5498
 Govt. of 1873 Madras.
 PUBLIC WORKS.

To the District Engineer
 Cuddapah

Dated

Recd.

Encl. //

6. 11th Nov 1873. 26/4

Nos. 4 & 5

Value of Lakerries & Sub
Sails at Sidhomb and
Khadi, Cuddapah D.

Revised Est. for the
 Value of Lakerries & Sub
 Sails, sanctioned with ob-
 servations; the question
 as to whether a treasure vault or

Chest, an also hedge or
 compound wall shall be
 provided in the Khadi
 Lakerrie referred to the
 Encl. Sept.