

Public Works (1898) Department.

G.O., No. 2705

DATED

17th October '98

Stationary Sub draughts' special dividend [Despatch Abstract.]

Revised Estimate of Rs 9600 for
Constructing — in the Madras & L,
Sanctioned with Remarks.

Revised estimate of Rs. 9,600 for constructing a — in the Madura district, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 7th September 1898, No. 1239 M.D.

I have the honour to forward for sanction a revised estimate amounting to Rupees 9,570, in supersession of that for Rs. 8,500 sanctioned in G.O., No. 2451 W., dated 24th August 1896, for constructing a Stationary Sub-Magistrate's court-house at Dindigul, Madura district.

2. The excess is Rs. 1,070.

3. The cause for the revision of the original estimate is partly due to the unsuitability of the site, and partly to making provision for certain additions and alterations since found to be necessary.

4. From the accompanying site plan it will be seen that two other Government buildings, viz., the taluk cutcherry and Sub-Registrar's office, with their out-houses, exist in the locality. The ground on which these buildings are built is low and swampy causing dampness to floors. A better site might have been selected; for administrative purposes the Collector prefers the present site. The following alterations are therefore proposed to be made. To keep the building dry the basement is proposed to be raised by one foot, or to level 39.50 substituting cutstone flooring for concrete and cement; further, the top level of concrete foundation has now been fixed at 34.00 instead of 35.00, the lowest natural ground surface being at about 34.02. This makes the height of the masonry above concrete $5\frac{1}{2}$ feet instead of $3\frac{1}{2}$ feet as shown in the sanctioned plans.

5. A uniform depth of 2 feet for concrete was provided for the foundations, but on actual excavation it has been found that the depth (2 feet) is insufficient owing to the inferior nature of soil, and the foundation therefore has now been taken down till good hard or rocky soil is met with. The depths thus fixed are noted on the foundation plan in red ink.

6. Provision is made in the estimate for change of materials, especially in the item stone work. The verandah pillars and skewbacks over them were proposed to be built of burnt stone in mortar; owing to difficulty in getting the work done properly and to the dressing to shape required, they are now proposed to be built of rock-faced stone work with neat dressing on the margins and on the sides. Curbing stone for verandahs and plinths and rough-dressed cutstone for steps have been provided instead of the burnt stone and ordinary pointing provided in the original estimate. This permits of much better work at no very great extra expense. The Executive Engineer reports that, at the instance of the magisterial authorities, the cost of a witness box and prisoner's dock has been provided in the estimate.

7. The other petty increases and savings effected by tendered rates are fully explained in the report and comparative statements accompanying the estimate.

8. Recasting the figures shown in the comparative statements in another shape, the items affected by the above deviations will be as follows:—

(a) On extra works not originally provided for, namely, for a witness box, prisoners' dock and dressing and setting of stones at corners and at sides of doors and windows and chiselling edges, Rs. 149 (excess).

(b) On substitution or change of materials, viz., cutstone flooring for concrete and cement rock-faced and roughly-dressed stone work for burnt stone, Rs. 915 (excess).

(c) On account of alteration in the concrete foundation and increase in the item burnt stone work, owing to the depth of basement having to be increased from $3\frac{1}{2}$ to $5\frac{1}{2}$ feet and other incidental items, Rs. 303 (excess).

(d) Owing to tendered rates being higher for the items, ventilators with glazed shutters (Rs. 1-4-0 to Rs. 1-8-0), terracing complete (Rs. 24 to Rs. 25), Cuddapah slab work (Rs. 38 to Rs. 40), and teakwood railings (Rs. 1-8-0 to Rs. 2-12-7), Rs. 86, excess.

Excess.	Saving.
RS.	RS.
149	
915	
303	
86	
1,453	323
	323 = 1,130.

(e) Savings on other items due to tendered rates being low, Rs. 323 (saving). Thus the total excess is Rs. 1,453 (see margin), while the total saving is Rs. 323.

9. It is pointed out that in the Government Order sanctioning the estimate, Rs. 60 was added for the alteration made by the Chief Engineer in the concrete foundation, raising the amount to Rs. 8,500; deducting this amount, the actual net excess is Rs. 1,070.

10. The estimate was sanctioned in 1896-97, and the work was not commenced before the beginning of the present year, for want of funds. The work is in progress and the expenditure up to end of July is Rs. 1,213.

11. The estimate is recommended for sanction.

Note by the Chief Engineer, Public Works Department.

The principal alteration of the estimate, as proposed by the Superintending Engineer, is the substitution of cutstone flooring for concrete and cement plaster. Though this alteration will involve an excess of Rs. 403 on the original estimate, it is clearly advisable and is recommended for sanction.

2. Owing to defective examination of the sub-soil and to defective estimating, an excess of Rs. 294 in cost of foundations and basement is unavoidable, and can be passed.

3. The remaining excesses are due to the original estimate providing only for burnt stone, and to the necessity, as pointed out by the Superintending Engineer, for substituting dressed stone in portions. This deviation is recommended for approval.

4. The revised estimate also makes provision for a witness box and prisoners' dock, as asked for by the Judicial authorities.

5. If it is not now too late to substitute steel girders for wooden beams, it is advisable that this alteration should be made, the excess thereby caused being only Rs. 37. The girders required will be—

Two steel girders, 9" x 7", weighing 58 lb. per foot run, for court room.
Two " 12" x 5" " 39 lb. " for clerks' room.
Three " 10" x 5" " 35 lb. " for record room.

6. The attention of the officers concerned is called to the fact that if the estimate had been prepared with proper care in the first instance, there would have been no need for this revision.

(Signed) W. B. DEWINTON,
Chief Engineer.

26th September 1898.

Papers to be read in Proceedings:—

4 No. 2705 W., 17TH OCTOBER 1898.

ORDER—No. 2705 W., dated 17th October 1898.

The revised estimate, amounting to Rs. 9,600, as altered by the Chief Engineer, for constructing a Stationary Sub-Magistrate's office at Dindigul, Madura district, is sanctioned in supersession of the estimate of Rs. 8,500 sanctioned in G.O., No. 2451 W., dated 24th August 1896.

2. There is a provision of Rs. 8,500 for the work in the current year's Provincial Civil Works budget. The Superintending Engineer will, if necessary, apply for an additional allotment to cover the balance of the estimate.

3. Attention is drawn to the Chief Engineer's note read above.

4. The sanction accorded in paragraph 1 has been registered as Provincial No. 75 W. of 1898-99, and classified as Civil Buildings—Original Works.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, VI Circle,
with twelve enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. T. K. Narayana Aiyangar.

Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Current No. 7572 of 1898, dated 7th September 1898, from The S.E. VI Circle
" " " 189 " " September 1898: " The Chief Engr. P.W.D.
" " " 189 " " " " "

ORDER.

No 2705-W/17.10.98

The revised estimate —
as altered by the Chief Engineer
amounting to Rs 9,600, for constructing
a stationary sub Magistrate's office at
Dindigul, Madura district, is sanctioned
in supersession of the estimate of Rs 8,500
sanctioned in G.O. No 2451 W, dated 24th
August, 1896.

2. There is a provision of Rs 8,500 for
the work in the current year's Provincial
civil works budget. The Suptg Engr
will, if necessary, apply for an additional
allotment to cover the balance of the
estimate.

3. Attention is drawn to the Chief
Engineer's note read above.

4. The sanction accorded in
para 1 has been registered as Provincial
No 75 W of 1898-99, and classified as
civil buildings, original works.

To The S.E. VI circle with 12 encls
.. Engr. P.W. Accts
.. Revenue Dept

[P. W. 4.
500-17-6-98.]

RECORDED 26/10/98 H.E.S. 10-28R/12-10-98 P.T. 6 for note

P.K.S

22.9.98.

Note. The estimate is dealt with in the accompanying technical note, and the note by the Chief Engineer read above.

Cu

1886-9-5

P.K.S

Rev Dept

To the Under Secretary

2705W

K

An Estimate for Rs 8500 was sanctioned in G.P. 2451 W & 24-8-96 for the construction of a Stationary Sub. Magistrates Office at Dindigul in the Madura Dt. The work does not appear to have been proceeded with at once, ^{but} ~~and~~ it is now stated to be ~~now~~ in progress.

The P.W. Draft order below, received for Counter initials, proposes to sanction the revised estimate for the same work amounting to Rs 9600. The alteration in the Estimate is stated to have been found necessary owing to deeper excavation of the foundation, a higher basement, and the substitution of other materials for some provided in the Original Estimate. ~~The~~ No alteration in the Standard design of the Office

26.9.98. Estimate is explained as follows

Current No. 7572

Letter No. 1239 M. D.

Dated 7th Septbr 1898

From the Sups. Engineer III Circle

NOTE BY TECHNICAL SECTION.

Name of work. Constructing a
Stationary Sub-Magistrate's
Office at Dinidighul. Madras
District. Est R: 9,570

An estimate amounting to
R: 8,500 was sanctioned in
G.O. 102451 W dated 24th August
1896 registered as Provincial
1259 W of 1896-97 and
classified as Civil Buildings
Original works -

The work was not commenced
before the beginning of the present
year for want of funds -

The work is now in progress
and the expenditure up to
the end of July is R: 1,213.

The Sups. Engineer III Circle
with his letter no 1239 M. D.
dated 7th Septbr 1898 now

forwards a revised estimate
for sanction for R: 9,570 -

The necessity for the revised
estimate is explained as follows

Mr. Berlie
Please reply to me
within 8 I will then
draft a letter recom-
mending estimate
for sanction.

ACK

19.9.98.

Sanction estimate
for Rs 9,600.

2. Don't fail
why note in this
or other cases. It is
waste of time to do so,
as we may alter the

P. W. 60
[260-38-9-97.]

Remarks ACK

21.9.98. Estimate is explained as follows

Office is involved.

There appears to be
no objection to the draft
order being countersigned
in the R.D.

Seems
4/10/98

8/10/98

30.9.98

RS

3-10-98

1st. Bad Site, which is represented to be swampy & found to contain different sorts of Sub. Soil, including a description of black cotton soil, before firm soil is met with. The existence of these soils was not traceable in the trial pits dug, but only during the excavation of the foundations for the building. The collector would not agree to any change of site, on administrative grounds, as two other offices had already been built in the same compound. vide site plan.

It was originally proposed to lay the concrete 2' in depth viz. from +33.00 to +35.00 but owing to bad soil and ground level at N. E. corner of building being +34.00 the top level was reduced to +34.00, still retaining the 2' depth, average, which would make bottom of concrete +32.00; the one foot from level +34.00 to +35.00 to be built up as masonry.

It was also found necessary to raise the basement 1 foot higher in order to prevent dampness in the floor, which exists in the floors of buildings already constructed in the same compound. The provided estimate therefore provides for laying the concrete 1' deeper and raising the basement 1 foot higher - or 2 feet in all by the way. This has been shown on plan at foundations & sections furnished; the quantities for concrete being very carefully taken out from them as actually laid.

2. It was proposed to construct the building entirely with burnt stone walls which had to be ornamented with cornices, brackets, string-course etc. but, from the nature of this ornamental work it is evident it could only be built of cut stone large enough to be let into the masonry. The original estimate provided a rate for cut stone work only.

on actual projections visible
on the outside, & not for
the portions let into the
walls. This error is now
corrected. The top layer
of steps has also been changed
from burnt stone to cut stone
as preferable. It is also
proposed to have dressed
cut stone in the top of
plinths as the outer edge
has to be chamfered,
which cannot be done in
burnt stone.

The 12 pillars with skew
backs is now to be built
of rock faced stone dressed
in the margins as they
cannot be built substan-
tially with ordinary burnt
stone.

There is a proposed devia-
tion in the flooring, where
dressed stone over $\frac{4}{8}$ " concrete
is to be used instead of
6" concrete blastered
with cement. In Dis-
posal Stone is easily
procureable, and can

also be easily dressed.
It is therefore manifestly
more advantageous to

Yes, what will be dif-
ference of cost?
AOK

19.9.98.

W.H.H.
26.9.98

to use stone which would also
prevent the floor. Keeping da
The original estimate made
no provision for a witness
box and prisoner's dock -
These are now provided for
and their positions shown
on ground plan of building.
If not too late it is thought
steel girders may be substi-
tuted for wooden beams in
Court, Clerks' & record rooms.
The necessary deviations are
exhibited in statement of
various savings attached.
Early sanction to this revised
estimate is requested as
the work is in progress.

St. J. H.

16/9/98

AOK

21.9.98.

The principal items of expenses are the following:-

Item No.	Particulars	Amount	Reasons
	<u>Expenses</u>		
2	Concrete in Mortar	93	due to deeper excavation owing to bad soil and higher tender rate.
3	Burnt Stone in Mortar	201	due to higher tender rate by 1 foot.
5	Roughly dressed Stone	396	Changed from Burnt Stone to cut dressed Stone. Insufficiency of length for Stone projections brackets, string course, capping, plinths etc.
6	Rock faced Stone work with neat joints	116	For pillars & skew-backs instead of burnt stone.
17	Flooring with cut stone 4 1/2" over 4" concrete	872	Used instead of 6" concrete & cement plaster.
25	Dressing & setting Stones at corners sides & ornamental	83	Dressing Stone neatly at places mentioned.
	Petty items under 50 Rs	161	
	Total expenses Rs	1922	

Savings-

8	Teakwood wrought & fixed	99	Tender rate low
16	Flooring with 6" concrete plastered over with cement	469	Omitted in favor of cut stone & cement
19	Painting	51	Tender rate low
	Contingencies	76	
	Petty items under 50 Rs	94	
	Total Savings	792	
	Add Rs 60 alterations made by Chief Engineer	60	
	Total Savings	852	
	Total expenses Rs	1070	

15.7.11.
16.9.98.

Calculations for proposed steel frame

Court room

$$\begin{aligned} \text{Truss} & 18 \times 8.33 \times 90 = 1349.5 \\ \text{Joists} & 13 \times 8.33 \times \frac{1}{4} \times \frac{5}{12} \times 45 = 508 \\ \text{Live load} & 18 \times 8.33 \times 80 = 12000 \\ & \text{lbs} \quad 26003.5 \\ & \quad 11.6 \text{ Tons} \end{aligned}$$

$$W = L \times W = 18 \times 11.6 = 208.8$$

D.L. of Hand book. page 26. plate 73 -
Section of girder 9" x 7" of 58 lbs per
foot run. Length of girder 21 x 58 =
1218 lbs + 2.50% = 2436 lbs

Clerk's room -

$$\begin{aligned} \text{Truss} & 16 \times 8.5 \times 90 = 12240 \\ \text{Joists} & 12 \times 8.5 \times \frac{1}{4} \times \frac{5}{12} \times 45 = 478 \\ \text{Live load} & 16 \times 8.5 \times 80 = 10880 \\ & \text{lbs} \quad 23598 = \\ & \quad 10.5 \text{ Tons} \end{aligned}$$

$$W = L \times W = 16 \times 10.5 = 168$$

D.L. of Hand book. page 25. plate 67
12" x 5" with 39 lbs per foot run Section of
39 x 19 Length of girder = 741 lbs + 2.50% =
1482 lbs

Record room.

$$\begin{aligned} \text{Truss} & 16 \times 6.5 \times 90 = 9360 \\ \text{Joists} & 12 \times 6.5 \times \frac{1}{4} \times \frac{4}{12} \times 45 = 329 \\ \text{Live load} & 16 \times 6.5 \times 80 = 8320 \\ & \text{lbs} \quad 18009 = \\ & \quad 8 \text{ Tons} \end{aligned}$$

$$W = L \times W = 16 \times 8 = 128$$

D.L. of Hand book. page 25. plate 69 -
Section of girder 10" x 5" of 35 lbs per foot run
Length of girder 19 x 35 = 665 + 3 = 1995 lbs
2436 lbs + 1482 lbs + 1995 lbs = 5913 lbs
53 Cwt. x 8 1/2 lbs = 450 lbs. Cost
of erecting 7 steel girders.

Cost of beams as per Est. 118 Cwt. 72
at 3 1/2 lbs per Cwt foot = 413 lbs.

Cost of erecting steel girders No 34
in excess of unknwood beams.

APK H.C.U.
21.8.98. 20/9/98

note.

The principal alteration of the estimate, as prepared by the S.R., is the substitution of cut stone flooring for concrete & cement plaster. Through the alteration will involve an excess of Rs 402 on the original estimate, it is clearly advisable & is recommended for sanction.

2. Owing to defective examination of the subsoil, & to defective estimating, an excess of Rs 294 in cost of foundations & basement is unavoidable, & can be passed.

3. The remaining excesses are due to the original estimate providing only for burnt stone, and to the necessity, as pointed out by the S.R., for substituting dressed stone ^{in portions}. This alteration is recommended for approval.

4. The revised estimate also makes provision for a Withers base & Precious Dots, as asked for by the judicial authorities.

S.A. 12.

5. If it is not now too late to substitute steel pickers for wooden beams, it is advisable that the ^{alterations} should be ^{made} ~~done~~ the excess thereby caused being only Rs 37. The pickers required will be
2 steel pickers, 9' x 7" weighing 50 lbs per ft run, for Court room.

2 steel pickers, 12' x 5" weighing 39 lbs per ft run, for Clerk's room.

3 steel pickers, 10' x 5" weighing 35 lbs per ft run, for Record room.

APK

21.9.98.

6. The attention of the Officers concerned is called to the fact that if the estimate had been prepared with proper care in the first instance, there would have been no need for this revision.

APK
26.9.98

Public Works (1898) Department.

CURRENT No. 7572

Order

From The Supy Engineer
61. Circle

No. 1239. L. D.

Dated 7th September 1898.

Received 10-9-98

Enclosures 9. 13 (4 plans.)

Spare copies

SUBJECT.

Stationary Sub Magistrate's Court at Dindigul —
Forwards for sanction a revised estimate of Rs 9570 for constructing a —

For sanctioning
APK
14.9.98
DW

o. 25397 12 15/10

BACK PAPERS.

FURTHER PAPERS.

No.	Date.	No.	Date.
2457 W.	24-8-96		
287 W.	6-2-95		
427 W.	19-2-95		

Letter from A. Joyce Esquire
 Cerecubio Engineer, Trinidad Division
 to the Superintending Engineer W. Circle
 No. 107. L. dated 13th July 1898:-

I have the honor to forward
 herewith a revised estimate for the Station-
 ary Sub Magistrate's Court at Dindigul.
 The report made by the Sub. Divisional
 Officer under my directions shows
 the deviations made both when there
 is excess and also when there is saving.
 2. The total increase is about Rs 1000.
 The great main point to be observed
 is the unsuitability of site and some
 mistake, which appears to have been
 made as to trial pits. The whole ground
 is Swampy, the Tahsildar's Cutcherry
 close by is Swampy, the Sub. Registrar's
 office also close by is Swampy. But
 the Collector will not have it removed
 for administrative reasons. So the
 only thing that remains is to make
 the best of it. Some very nasty
 black cotton sort of soil is found in
 patches in the basement which ought
 to be removed if it is considered
 desirable.

desirable to keep the building dry. The basement must be raised and flooring with stone slabs is substituted for concrete and cement. For the pillars granite stone must be used, good rough-hewn stone for the locality cannot be procured. For cut stone for cornices itself it is not sufficient to include only outside portion; but a certain portion inside must also be included.

3. The other items are petty increase on contract rates for some items and petty savings and others. In addition a witness box and prisoners' dock has been added at the wish of the Magisterial authorities.

4. The total increase is Rs 1600.

5. The estimate was sanctioned during 1896-97 and was not commenced before the beginning of 1898-99 for want of funds.

True Copy

W. No. 1111 Lt. Col. Lt.

Supy Engineer N. Circle

No.

1239. M.D.

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE,

Trichinopoly, 7th September 1898.

From

Lieut. Col. A. V. Boddy R.E.

Superintending Engineer,

6th Circle.

To

The Chief Engineer,

P. W. D.

SIR,

ENCLOSURES. 9

I have the honor to forward for sanction a revised estimate amounting to Rs 9570 in supersession of that for Rs 8500 sanctioned in G.O. No. 2451.W. dated 24th August 1896 for constructing a Stationary Sub-Magistrate's Court house at Dindigul, Madurai District.

2. The excess is Rs 1070.

3. The cause for the revision of the original estimate is partly due to the unsuitability of the site, and partly to making provision for certain additions and alterations, since found to be necessary.

4. From the accompanying site plan it will be seen that two other Government buildings viz the Taluk Cutchery

Encl to No. 8 to S. L. 6
1239. M.D.
9th Sept 1898

Intcherry and Sub. Registrar's Office
with their outhouses exist in the
locality. The ground on which these
buildings are built is low and swampy
causing dampness to floors. A better
site might have been selected. For
Administrative purposes the Collector
prefers the present site. The following
alterations are therefore proposed to
be made. To keep the building dry
the basement is proposed to be raised
by one foot, or to level 39.50. Sub.
fitting Cut Stone flooring for Cor-
-crete and Cement. Further the top
level of concrete foundation has not
been fixed at 34.00 instead of 35.00,
the lowest natural ground surface
being at about 34.02. This makes
the height of the masonry above Cor-
-crete $5\frac{1}{2}$ ft instead of $3\frac{1}{2}$ ft as
shown in the sanctioned plans.
5. A uniform depth of 2 ft for
concrete was provided for the founda-
-tions, but on actual excavation
it has been found that the depth
2 ft is insufficient, owing to the
inferior

inferior nature of soil, and the
foundation therefore has now been
taken down till good hard or rocky
soil is met with. The depths thus
fixed are noted on the foundation plan
in red ink.

6. Provision is made in the
estimate for change of material
especially in the item. Stone work.
The verandah pillars and Skew-
backs over them were proposed to
be built of Burnt stone in mortar,
owing to difficulty in getting the
work done properly and to the dressing
to shape required. They are now pro-
posed to be built of Rock faced Stone
work with neat dressing on the
margins and on the sides. Curbing
Stone for verandahs and plinths and
rough dressed Cutstone for steps
have been provided instead of the
burnt Stone and ordinary pointing
provided in the original estimate.
This permits of much better work
at no very great extra expense.
The Executive Engineer reports that

at the instance of the Magisterial authorities the cost of a Witness boy and Prisoner's dock has been provided in the Estimate.

The other petty increases and savings effected by tendered rates are fully explained in the report and Comparative Statements accompanying the estimate.

Recasting the figures shown in the Comparative Statements in another shape the items affected by the above variations will be as follows:-

a) On extra works not originally provided for, namely for a Witness boy, Prisoner's dock and dressing and setting of Stones at Corners and at Sides of docks and windows and chiselling edges Rs - 149. (Excess)

b) On Substitution, or change of materials viz Cut stone flooring for Concrete and Cement rock faced and roughly dressed Stone work for burnt Stone Rs 915. (Excess)

c) On account of alteration in the

the concrete foundation and increase in the item burnt Stone work. Owing to the depth of basement having to be increased from 3 1/2 to 5 1/2 ft and other incidental items. Rs 303. (Excess)

d) Owing to tendered rates being higher for the items. Ventilators with glazed Shutters (Rs 1.4.0 to Rs 1.8.0) - Terracing Complete. (Rs 24. to Rs 25) Cuddapah Slab Work. (Rs 38 to Rs 40) and Teak wood railings (Rs 1.8.0 to 2.12.7) Rs 86. Excess.

e) Savings on other items due to tendered rates being low Rs 323. (Savings)

Thus the total excess is Rs 1453. (See margin) while the total savings is Rs 323.

Excess.	Savings
149	
915	
303	
86	
<hr/> 1453	323
	<hr/> 323
	1453 - 323 = 1130.

g. It is pointed out that in the G.O. sanctioning the estimate, Rs 60 was added for the alteration made by the Chief Engineer in the Concrete foundation, raising the amount to Rs 8500 deducting this amount, the actual net excess is Rs 1070.

10. The estimate was sanctioned in

in 1896. 97 and the work was not
intercommenced before the beginning
with of the present year for want of funds.
The work is in progress and the ex-
penditure up to end of July is \$1213.
The estimate is recommended
for sanction.

I have the honor to be
Sir,
Your most obedient Servant.

D. V. No. 1111 Lt. Col. D. E.
Supy Engineer N. Circle

Inclosures. 9.

- 1 Original case with report.
- 1 Libe Survey.
- 1 Plan showing Section of Foundation.
- 1 Libe Section
- 1 Revised Case Completed.
- 1 Comparative Statement
- 1 Report.
- 1 Copy of Genl. Inqis letter No. 1075
13.7.98
- 1 Plan of building.