

Public Works (1898) Department.

G.O., No. 2050 &
DATED 12th August 98

[Despatch Abstract.]
Maintenance : The Superintendent, for a period
of six months, of the Surveyor on Rs 70 & 50 paise monthly
Each per month for the investigation of the
Condabommanahalli project in the Bellary
Sanctioned.

13

1618

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

9-25273 R10/8

BACK PAPERS.

BACK PAPERS.

No.	Date.
<p>and requests sanction to the entertainment, for 6 months, of a survey on R70 and 5 has cars on R7 each per mensam, to have the scheme worked out. The proposals are (1) to form a reservoir at Gundabommanahalli to hold 3 years supply and (2) to form a smaller tank which will hold about 200 millions cubic feet. The Executive Engineer recommends that No 1 should be undertaken only as a famine relief work and that No 2 may be carried out as an ordinary work. The Chief Engineer concurs with the above recommendations and adds that the scheme is worth considering only as a Famine Relief work -</p> <p>ACK 6.8.98</p> <p>W</p>	

FURTHER PAPERS.

No.	Date.
2676W	24-9-97
<p>B The S.E. III arch. C.E. for Imp. Exec. P.W. Dept.</p>	

1/24 D.B.
P. W. D. Form No. 113.

COO-14-2-98

No. 384 P. W.

NOTES.

Reference to P. W. D. Code.

Chapter I, Para. 30.

MADRAS PRESIDENCY.

Part II.

Tabular Statement to accompany proposals for changes in establishments.

1. All proposals for changes in the scales of permanent establishments must be accompanied by a statement in Part I of this form when the changes relate to the engineer or upper subordinate establishments and in other cases by a statement in Part II of this form.

2. The column headed "present scale" should invariably show the existing sanctioned scale (not the strength of the establishment as it actually stands at the time), and should be verified by the Examiner before the statements are forwarded to the sanctioning authority.

Statement of proposition for

revision of establishment.

* In the case of appointments on progressive pay, the "average" should be

Certified that the entries under the head "present scale" have been duly verified by me.

Dated the 2 _____ 189 .

W. B. Baskin Examiner, P. W. Accounts,
Madras

11.7.90 26-601
Super Group, 100 circles

CHANGES.							PROPOSITION.						REMARKS.
Proposed scale. ¹							Permanent.		Temporary.				
							Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
									Amount.	Amount.	Period.	Amount.	
No.	Designation.	Mini- mum.	Incr- ment.	Maxi- mum.	Aver- age or fixed.*	Total cost.	Rs.	Rs.	Mon.	Rs.	Mon.	Rs.	
1	Surveyors				70.								
5	Lascars @ Rs 7—				36	105			8	105			
for the Gondal Bommamahal Project—													
4 th 3035 dated 15 th December 1907 the hon'ble to forward a preliminary report with rough estimate for forest a revenue at Gandabommalahalli to hold 20000 supply for the estate under it. The Officer (S. Natesan) has worked out the scheme on the suggested by Mr. Robertson and I have only the following remarks to make 2. The importance of the lands at a level of 10000 feet only a matter given with the finding by eye, I think it will not be less than the 731 acres													
TOTAL ..													

calculated according to the rules in the Pay and Acting allowance code.

Dated the

Alfred
Executive Engineer,
Bellamy Division.

Exec: Engineer's Office
Bellary 16 June 98

No 4541.

From H. E. Clerk Esq

Exec: Engineer's
Bellary Division

To The Superintending Engineer
in Circle.

Sir
With reference to your letter -
No 3035 dated 17 December 96, I have
the honour to forward a preliminary
report with rough estimate for forming
a reservoir at Gandabommana halli
to hold 3 years supply for the catchment
under it. The Overseer (S. Natesa Iyer)
has worked out the scheme on the lines
suggested by Mr. DeWinton and I have
only the following remarks to make.
2. The capacity of the tank at a
level of 110 is so far only a matter of
guess work. Judging by eye, I think
it will hold less than the 731 millions
of Cubic ft. estimated by the overseer.
Even then the storage will be sufficient
for a 3 years supply.

* No papers can
be traced on the
subject in E. O. Office
No 1577/98.

15/6/98
O.S.

3. Various details in the Estimate will require altering. The front slope of bund should be $1\frac{1}{2}$ to 1. I very much doubt if really good puddle can be obtained within a reasonable distance and if this is the case the puddle wall may be omitted. The cost of cutting a surplus escape is considerable, but if the bund is raised to any thing like the level now contemplated it seems the only way to get rid of the surplus.

I would never make this bund 2:1 if soil is at all doubtful they should be flatter

4. Water Supply available. If we leave out the catchment of the two upper tanks we have 57 sq: miles of catchment, which is moderately hilly and covered with jungle. The average rainfall at Kudligi is (I think) 22 inches. Assuming $\frac{1}{5}$ run off from the Catchment we get 287 millions Cubic ft. in an ordinary year, in years of abnormal rainfall, we may get a run off of $\frac{1}{2}$ which would fill the tank. I do not think therefore that it is unreasonable to expect that the tank would fill every

$\frac{1}{5}$ for too high in country a country would be high for so high a rain fall
 $\frac{1}{10}$ of 22" = 2.2" run off
 $57 \times 2.2 \times 2.2 \times 2.2 = 582.6$ M.C.F.
 for a full of 22" the run off might be 8% more than the estimate

I can even see how several examples of falling - where with efficient storage contribution is black

every 4 or 5 years. In average years it would certainly get a supply in excess of its requirements for that year.
 5. The weak point in the scheme is the inaccessibility of the site and the scantiness of the population. Judging from my experience elsewhere I should think it most improbable that people could be found to cultivate 712 acres of wet land in the neighbourhood. This however is a matter for the officers of the Revenue Department, and they seem to consider that the land will be taken up.
 6. In estimating the profits from the scheme the Overseer has taken Rs 10 an acre, but nearly all the land is already cultivated with dry crops and probably pays about Rs 1 per acre so that the increase of revenue per acre will only be Rs 5. This reduces the net revenue to Rs 3915, and the profit to about Rs 2.7 per cent.

209 p. 1

Under these circumstances, I do not think that so large an estimate with no problematical a prospect of success is likely to be sanctioned, except as a famine work. As such it would be very suitable.

7. It is however to be remembered that this tank has an exceptionally good stream to supply it. The overseer states that he has seen water running in it during last hot weather when the whole country was as dry as it is likely to be for many years to come, and it also gets very fair freshes in any considerable storm. I think that under these circumstances we might make a much smaller tank, which would supply its whole area in all years except those of extreme failure. A tank which would hold about 200 millions cubic feet would I believe answer the purpose very nearly as well as the larger one and its cost would

it cannot be a very small amount with so light a rain fall will be very precarious

would be much less.
8. The approximate cost may be estimated as follows:

Earthwork for dam	53,000
Revetment	15,100
Gravel backing	900
Surplus Escape blasting	1000
Building one wing	700
Clearing sand from bed of tank	200
Constructing two sluices	3500
Iron trough aqueduct	2000
Land Compensation	2000
	<hr/>
Establishment Tools & Plant at 25 percent	78,400 19,600
Capitalized loss of revenue under tank	5000
	<hr/>
	103,000

The revenue to be derived may be taken as before, as I think that owing to the large catchment and the continuity of the supply more than 200 acres of second crop can be irrigated. This will give a return of 3.7 percent.

9. To make a tank of about the capacity I propose, a slight modification in the alignment will have to be made

made. By altering the line of the left flank somewhat as shown in pencil in the Survey, it can be made to terminate against a nearly flat piece of rock and here a bywash long enough to discharge with a 4 foot head can easily be blasted out. The tank would have to be made to this level irrespective of its capacity, as I do not think another place could be found. The Earthwork of the bund would have to be protected by a substantial wing and some small training work might be necessary to prevent the surplus impinging on the bund in rear.

I propose with your approval to have both schemes worked out, as a famine work the larger scheme is preferable but I recommend that the Tanks should be undertaken as an ordinary work, in which case the lesser one would be better.

If you approve of my proposals, I

only as a famine work is the scheme worth continuing
JCS
18/1/18

I shall have to ask for the services of a Surveyor on Rs 60 per mensem for about 6 months.

I have the honor to be
Sir

Your most obedt Servt

(Signed) H.E. Clerk
Executive Engineer

(True Copy)

Wm Baddley

Lieth (C.A.E)

Suptg Engineer & Scribe

18/1/18

No. 1263 I

Superintending Engineer's Office,

3RD CIRCLE.

Bellary 11th July 1898.

FROM

Lt Col W. L. Baddeley, RE.

SUPERINTENDING ENGINEER,

IIIRD CIRCLE,

BELLARY.

To

THE

Chief Engineer
for Irrigation
Madras.

Sir,

2. Enclosures.

1 Proposition in
Statement
1 Copy of letter

I have the honor to forward
herewith a proposition statement for
Survey Establishment submitted by
the Exec. Engineer Bellary Division for
investigating the Gonda Pommuna-
halli Project & request that you will
be good enough to obtain the
sanction of Government thereto.

2. I forward herewith a copy of
letter No. 4541 dated 16.6.98 received
from the Exec. Engineer Bellary Divn
regarding this project.

I have the honor to be

Sir

Yours most obedtly

W. L. Baddeley

Lieut Col RE

Supt of Engineer III Circle

B.S. 11/1

60.5.2
61.2.1/58

From
The Superintending Engineer,
IIIrd Circle,
Bellary,

To
The _____

Dated _____
Received } _____ 189 .

Enclosures.
No.
Subject.

13 JUL 1898
58 B.L.
No. _____

823.3
6/2/98

Public Works (1898) Department.

CURRENT No. 58 B.L.

From the Superintending Engineer,
Bellary

Order No. 62 E W.

Forwarded to the Chief-

Engr P.W. Dept with a recommenda-
-tion that the sanction of Govt may
be obtained to the temporary establish-
-ment applied for, but the Project can
only be recommended as a famine
work

J. Chennimal
Ag. Chief. Engr for Inrgn

No. 1263 L

Dated 11-7-98

Received 13-8-98

Registered

Enclosures 2

Spare copies

SUBJECT.

Lyundabonnanahully
Project.
Forwarded for sanction
a proposition at a meeting
for the establishment required
for _____

Pages?

100
15/7/98

100
15/7/98

13/5/98

BACK PAPERS.

No.	Date.
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FURTHER PAPERS.

No.	Date.
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