

Public Works (1898) Department.

G.O., No.

967 E

DATED

13 April 1898.

[Despatch Abstract.]

Establishment: ^{Mr.} Sanction accorded to in E.O. No. 3560 W.D. 18.12.97 to the Survey — required for surveying the Krishna river and shoals, extended from 3 to 5 months.

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13458

Indexed.

16/4

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

B

Mail H.S. 2/4/98 R 6/4/98 ~~Due for H~~

No. 384 P.W.

NOTES.

Reference to P. W. D. Code.

Chapter I, Para. 30.

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.

EXAMINER,
W. ACCOUNTS.

21 MAR. 1898

MADRAS PRESIDENCY.

Part II.

P. W. D. Form No. 113.
500-20-1-96.

Tabular Statement to accompany proposals
for changes in establishments.

P. W. D. Form No. 113.

MADRAS

Part II.

Statement of proposition for

ORDER SANCTIONING PRESENT ESTABLISHMENT.		Office to which the proposition refers		Present scale.					Total cost.	
Govt. of		P. W. D.		No.	Designation.	Pay.				
No.		Date.				Minimum.	Increment.	Maximum.	Average or fixed.*	
						Rs.	Rs.	Rs.	Rs.	Rs.
No 35201A		12/11/1897			Kistna Northern					
					Surveyor					
				6	Lascars				80	80
									7	42
					Total					122
					Total for 3 months					366
					TOTAL					

* 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.

E. A. De Silva
Examiner, P. W. Accounts,

Dated the 189

15/12/98 25.3.98 Madras

PRESIDENCY.

P. W. D. Form No. 113.

Part II.

revision of establishment.

CHANGES.						PROPOSITION.						REMARKS.
Proposed scale.						Permanent.		Temporary.				
						Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
								Amount.	Amount.	Period.	Amount.	
No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.*	Total cost.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Mon.	Rs.	Mon.	Rs.
1	Surveyor				80	80			5	100		
6	Lascars				7 1/2				5	210		
	Total									610		
	Net increase									244		
TOTAL												

Required for surveying River Kistna for 8 miles the ancient Owing to difficulties measuring re standing crop also. Several mistakes made and extra work done only 4 miles of river have been mapped and surveyed. 4 miles more require to be done and as the river is and the ground clear of crop it is considered that 2 months will suffice to do this.

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

2/3/98
Capt. R. E.
Executive Engineer,
Kistna Northern Division
AD
2/3/98

Dated the 3. 3. 1898

EXAMINER,
P. W. ACCOUNT
21 MAR. 1898

Copy of the letter from Captain W. M. Ellis
P. E. Executive Engineer, Northern Division
Rostow, to the Superintending Engineer
Second Circle, No 803 S.E. dated 3-3-98.

Reference G. O. No 3560 W of 18-12-97.

The 3 months sanction for a surveyor has
now expired and the river is only mapped
for a distance of 4 miles above the ancient.
The labour of the work especially the measuring
of the base line, and fixing from it the
positions of beacon stations and furlong posts
occupied a long time owing to standing crops
in the fields making measurement slow
and remeasurements frequently necessary.

2. The plotting in of the shoals also took longer
than was anticipated, owing to a mistake made
by the Surveyor in his instructions necessitating
resurveying part of the work. The outcome of
work has, however, been below normal and
a fine was inflicted in December of 4 days
pay on this account.

3. Sections across the river from bank to
bank for one mile above the ancient
not originally contemplated have been
taken and plotted on the survey together
with

P. L. E.
20/2/98
2556

with sections of all shoals above ancient
Crest.

4. The rate of progress will be quicker in
the hot season when the crops are off the
ground and 2 months work of a surveyor
is now provided for to complete the survey.

Sanction for a surveyor for this period is
therefore sought.

No. 716 R.N.
12.3.98

Enclosures 1.

Forwarded to the Chief Engineer
Public Works Department with reference
to G.O. No. 35604, dated 18th December/97
for favour of sanction of Government being
obtained to the employment of the survey
establishment as per proposition statement.

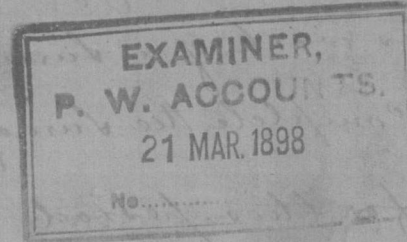
M. S. S. S.
12/3/98

Executive Engineer,
for Superintending Engineer.
H. S. S. S.

12/3/98

Public Works (1898) Department.

CURRENT No. 2412
2856



No. 1684 C, d. 18.3.98

From

The Superintending Engineer,
2nd Circle

Order

To C

No. 716 R.N.

For the requisite certificate
as regards "Present Scale"

Dated 12 March 1898

Received } 15 — do —

Registered

Enclosures —

Spare copies

Chief

SUBJECT.

Survey of the river
Kistna above Anant.
Forward for sanction
of Govt. a proposition
statement for the work
required for the —

No. 1035 B, dated 28 March 1898
To H.

Returned with the
requisite Certificate

12/3/98

C

28/3/98

FURTHER PAPERS.

CURRENT No. 2412

No. 1684 C.D. 18. 3. 98
To Order
£

From The S. E., II Circle

No. 716 K.N.

For the requisite certificate
as regards present scales.
(sd) C. H. B.

Dated 12-3-98

Received } 15-3-98
Registered }

Enclosures /

Spare copies

SUBJECT.

SUBJECT.

Survey of the river, Kistna
above anicut - Favourable
for Sanction of Govt. a
proposition statement
for the establishment
required further -

22/3/98

4

8

Government { 1897 } of Madras.
PUBLIC WORKS.

Enclosures

1897.

Spare copies

G.O., No. 3560 W., 18th December 1897.

DECEMBER.

Sanctioning the entertainment, for a period of three months, of a surveyor on Rs. 80 and six lascars on Rs. 7 each per mensem for surveying the Kistna river and shoals for 8 miles above the anicut.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

Further note on sets and shoals in Kistna river above the anicut.

The Yedduvagu set above the anicut was again inspected by me on the 22nd instant, the water at that time flowing 4-20 feet over the anicut.

The effect of the late freshes, 8 to 10 feet over the anicut on the Yedduvagu set has been to cause further collapse of the margin and also the entire silting up for a length of several hundred feet of the channel at "A"; the shoal here now joins the river margin and all supply along this margin of the river is altogether cut off.

2. Mr. S. Panchapakesa Aiyar, the River Conservancy Sub-division officer, Western division, kindly accompanied me and gave me the benefit of his advice. He strongly recommends to treat the set by planting triangular groynes of Brownlow's weeds at intervals of one furlong along it and, from his experience with such groynes tried below the anicut, is of opinion that they will effectually arrest erosion and form up the set. I concur with this recommendation and submit an estimate for eight groynes of Brownlow's weeds at the cost quoted by Mr. Panchapakesa Aiyar as being that found by actual work in the Western division.

3. I also propose to throw a casuarina pile brushwood and stone groyne xy across the channel at the head of Venkatapalam lunka to cut zigzag channels through the lunka zzz to root out the brushwood and plough up all the ground on the left of this channel with a view of causing the cutting away of the head of this lunka and thus bring the action of the river on the north margin of this lunka instead of (as at present) on the west margin. Definite estimate and proposals regarding this will be submitted later.

4. I would again respectfully urge the advisability of a long stone groyne being thrown out above the line "TV" (*vide* plan) to facilitate the formation of a good channel for both navigation and supply to the Western delta works. I would point out that the new falling shutters, which will be fitted next year, will give a great assistance in regulating the shoals near the anicut in a low river, should this groyne be built, by judicious lifting or lowering of the shutters with a river from 2 to 4 feet over anicut crest. I would, in this connection, invite attention to the results experienced on the Narora weir, Lower Ganges canal works, with the aid of a long central groyne thrown out perpendicular to the anicut and to the proposals made for the construction of a number of such groynes.

The power thus obtained of controlling the shoals is very striking. It would not be possible with our very limited means of regulating discharge (by undersluices and falling shutters) to obtain such results as on the Ganges, but I submit that the construction of such groyne as I propose would produce similar ones in a lesser degree and cannot but prove beneficial. With regard to violent action apprehended, the effect of the groyne would be to remove the site of such action from the vicinity of the face of the anicut where it at present takes place to a distance at least the length of the groyne proposed from the face of the anicut. The papers regarding the Lower Ganges canal works belong to Colonel Smart, who kindly lent them to me. They are the Government publications embodying reports on the conservancy operations, Lower Ganges canal works, 1889 to 1896.

5. I find it impracticable to get a proper survey of the river above the anicut made in a reasonable time by the boat superintendent whom I put on the work. The proper duties of his post take much of his time and he is not a trained surveyor. I therefore submit, for favour of early sanction, an estimate for surveyor on Rs. 80 and six lascars on Rs. 7 for the survey of the river and shoals for 8 miles above the anicut. It is proposed to take a chain and theodolite survey of both banks and interpolate the shoals by cutting from fixed beacons on shore. I expect to have a surveyor available on completion of another survey work in a few days, and propose to put him on this work with your permission in anticipation of sanction. It is impossible to design for the necessary works without such a survey.

(Signed) W. M. ELLIS, Capt., R.E.,
Ex. Engineer, Kistna Northern Divn.

No. 2361 K.N.

Forwarded to the Chief Engineer for Irrigation, for favour of obtaining the sanction of Government to the estimate, amounting to Rs. 4,200, for constructing groynes of Brownlow's weeds for Yedduvagu set, Kistna right margin, and for the survey establishment required.

2. The Executive Engineer has been directed to act in anticipation of sanction to the above.

(Signed) J. S. WILSON,
for Supg. Engineer, II Circle.

25th November 1897.

No. 80 E.W.

Copy forwarded to the Acting Chief Engineer, Public Works Department, with a request that the early sanction of Government may be obtained to the survey establishment applied for, in the appended statement.

2. The estimate of Rs. 4,200 for groynes has been recommended for the sanction of Government.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

CHEPÁK,
7th December 1897.

ORDER—No. 3560 W., dated 18th December 1897.

The entertainment, for a period of three months, of a surveyor on Rs. 80 and six lascars on Rs. 7 each per mensem required for surveying the Kistna river and shoals for 8 miles above the anicut is sanctioned.

2. This sanction has been registered as Provincial No. 79 W. of 1897-98, and classified as Establishment—Temporary.

(True Extract.)

(Signed) W. B. DEWINTON,
Ag. Secretary to Government.

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

Exd. C. M. Thumbusawmy.