M.R.O. 1—10,006—28-2-50

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works. DEPARTMENT

G.O. No.	3216	Press
~~B.P. No.~~		~~Mis.~~
216-288		
Dated	13-11-1874	~~195~~ .

Not to be folded or roughly handled

Read the following papers:—

No. 218. From the District Engineer, North Arcot, dated 10th September 1874, No. 1,677.

No. 829.

No. 219. *Note by the Chief Engineer for Irrigation.*

In transmitting the accompanying estimate, or rather bill, amounting to Rupees 2,300, for new shutters and regulating gear for the Cheyaur anicut channel head sluice, it is necessary to explain briefly the circumstances under which this work has been done without previous sanction.

2. In February 1873 an estimate of Rupees 1,360 was submitted, and the intention to provide shutters was approved, but it was pointed out that in several respects the details of the arrangements were defective.

No. 509, 8th February 1873.

In this estimate the cost of the shutters and gear, as stated by the General Superintendent, Public Works Workshops, was entered at Rupees 945.

3. In March 1874 the District Engineer requested sanction to the estimate of Rupees 1,360, it having been found that the shutters and gear had been already ordered, and that so much had been done as far back as July 1873 as to make it difficult to do otherwise than go forward with the work. The District Engineer at the same time proposed to see what could be done to remove the defects which had been noticed.

No. 3,619, 5th March.

4. It appearing to be better that effective arrangements should be carried out once for all and their cost ascertained, also that but one application on the subject should be made to Government, Captain Pennycuick was asked so to do, and he has now forwarded the bill which requires sanction, and in doing so has pointed out that the great difference between the two estimates is due to the enhancement of the Workshop charges, and that his endeavour to get this explained has not resulted in its being satisfactorily shown why such much higher charges have been made; indeed, Mr. Grainger's second letter* indicates that there were but trifling alterations made, and that for these only would an extra charge be required.

No. 211, 14th March.

* No. 704, 8th June 1874.

							Rs.	
First Estimate—Gear	7 ×	55 =	...	...	...	...	385	
Do. do.—Shutters	7 ×	80 =	...	...	...	...	560	
								945
Second Estimate—Gear	7 ×	90 =	...	...	...	...	630	
Do. do.—Shutters	7 ×	118 =	...	...	...	...	826	
								1,456
							Difference...	511

and, as at present informed, the difference would seem to be inadmissible.

The additional items which are admissible are—

	Rs.
Holding down gear	80
Angle irons for grooves...	330
Spanners	21
	431

in addition to perhaps come carriage charges, and unless better evidence can be adduced for paying the Workshops the 511 Rupees added to the original bill, this amount should be disallowed.

5. It is accordingly recommended that Rupees 1,800 be sanctioned for the work done to the Cheyaur head sluice.

PALAMCOTTAH, *16th October* 1874.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 220. ORDER THEREON, 13th November 1874, No. 3,216.

IRRIGATION, No. 19.

UNDER the circumstances reported by the Chief Engineer for Irrigation, Rupees 1,800 are sanctioned for work done in providing new shutters and regulating gear for the Cheyaur anicut head sluice in North Arcot.

2. It appears to the Government that, unless satisfactory reasons can be adduced for the enhancement of the Workshops' bill for the work originally ordered, the excess on this account cannot be admitted.

(True Extract.)

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

To the District Engineer, North Arcot.
„ Chief Engineer for Irrigation.
„ Officiating Controller of Public Works Accounts.
„ District Engineer, Presidency.

Exd. S. T. Austin.

Spare Copies

No 211. Memorandum

3. In reply to the letter No 3619 of the 5th instant from the D.E. North Arcot the undersigned has the honour to state that under the circumstances therein reported, the Sanction for new granting further Cheyaur Anicut head sluice will be recommended for sanction, but it is advisable that the matter should be disposed of by Govt. only once and therefore the estimate should provide for all that may be necessary to make the regulation of the head sluice efficient. Thus

2. It is requisite [vide my Proc. dated 14 Feb: 73] that the head sluice vents should be closed above full supply level in the channel or above Anicut crest level if higher & desirable with reference to the proportion existing between the area of the vents upto F.S.L. and that of the cross section of the channel to the same level. The requirements of para 2 of the above Memorandum can also be supposed to be met, but the undersigned has no the plans before him; with regard to the Shutters the Workshops should supply efficient means of working the gear, & care must be taken that the Shutters fit, as there are many instances of the vents being injured by loose Shutters. Very efficient wrought Shutters have been made in the Godavery and these made at Rajahmundry in two parts, the one working into the

Should the Chief Engineer for Irrigation consider it necessary to have the sluice entirely renewed

From S.E. North Asst C
710 Sept/74 01 N° 1691.

N° 211

To The E. North
Street-

Dated 16th
Dep.t 21 Sellock 74.

Encl 1

It als that an
estimate for the
screw gearing
for the Chegaun
ancient head sluice
will be recommended
for sanction but-
it must provide
for all that is
necessary to make
the regulation of the
head sluice effectual

4 - When the sluices are placed in position
there should be attached to each in a Convenient
position, Hanging through Guides, a Lattice of wood
or iron showing exactly how much the Water is
Open - This is needed for two purposes 1st in
Connection with the Water register and 2nd to
to show when the sluices are down & there
to prevent damage to the farming by forcing
them down against the sill

Ley. 10/3/74

Capt at
Tuticorin

Papers -
R No 576 dy. 5 Sept. 74 & 8 encls.
a-a - 206-a - 8 Feb - 73
b-a - 346-a - 3 Sept. 73
C-a - 137-a 5 Sept 73
~~D-a - 54-a Sept 74~~
D No - 86 - a - 14 Feb - 73

No. 3619

North Arcot

District Engineer's Office

From

Vellore 5th March 1874.

The District Engineer

To

North Arcot

The Chief Engineer

For Irrigation.

Madras.

Sir,

Enclosure 1.

1 Estimate.

I have the honour to request the sanction of Government to the enclosed Estimate of Rupees 1360 for the provision of shutters with screw gearing to the Head Sluices of the Cheyar Channel.

X Returned by P. Secretary Dec 21-74.

2. It appears that an estimate for this work was forwarded by the Officer in charge Polur Range to the Superintending Engineer 4th Division in May 1872; the estimate had been prepared in communication with the General Superintendent Public Works Stores who was requested by the Superintending Engineer to make arrangements for supplying the shutters as soon as possible.

3. In July of the same year the Superintending Engineer wrote to the General Superintendent, P. W. Stores, requesting that his first order might be

be considered as cancelled, as no estimate had yet been sanctioned; the latter officer replied that a large expenditure had been already incurred upon the work, and some further correspondence took place, which, so far as this point was concerned, terminated in a letter from the Superintending Engineer dated 31st July 1872 to the effect that "he had no option in the matter, Government having ruled over and over again that no work was to be commenced in anticipation of sanction."

4. After some further correspondence the estimate was eventually forwarded to your Office with the District Engineer's letter No. 509 of 8th February 1873, and returned with your Memorandum No. 86 of 14th Idem, for certain corrections, and in this state I found the question when I took charge of the District.

5. I had myself after visiting the Anicut drawn out a design to provide for the modifications ordered in your Memorandum above mentioned, and sent it to Mr. Granger with a request for an Estimate; that

estimate as may appear necessary.

I have the honour to be,
Sir,
Your Most Obed.t Servant.
John Peing Lt. Captain R.E.
District Engineer.
North Arcot

North Arcot District Engineer's Office
Camp Vachary 8th February 1873

estimate as may appear necessa

I have the h

Clas: R. 5/6

Rep

To H. H. Nhut Esq
211 - 14 Lunk 74

From
The District Engineer,
North Arcot.

To
The Chief Engineer
For Irrigation
Madras

Dated 5th March 1874.

Received 7th

No. 3619.

Enclosure 1.

Subject.

Forwards for sanction an estimate of Rs 1360 for the provision of shutters with screw gearing to the Head Sluices of the Cheyaur Channel

---

N° 509

North Arcot District Engineer's Office
Camp Vachary 8th February 1873

From

The District Engineer
North Arcot

To

The Chief Engineer
for Irrigation

Sir

Enclosures 3
2 Plans
1 Estimate

I have the honor to submit 2 Plans with an Estimate amounting to Rs 1360 for screw shutters with raising gear for the Head sluice at the Cheyar Anicut

The Estimate was prepared in communication with the Superintendent Public Works shops and stores and I request an early sanction thereto, as the new shutters must be supplied at once, as those now in use are all but useless

I have the honor to be
Sir
Your most obedient Servant

H. H. Nhut Colonel R.E.
for Dist Engineer N Arcot

North Arcot
District Engineer's Office
Guindy 3rd March 1873.

No. 722

From

The District Engineer
North Arcot

To

The Chief Engineer
for Irrigation.

Sir,

With reference to your No. 86 dated 14th Instant, I have the honor to request that you will return the Plans &c. of the screw gearing Shutters of the Chuyan Anicut Head Sluice forwarded with my No. 509 of 8th Instant.

I have the honor to be
Sir,
Your most obedient Servant
J. Hesbury — Coll R.E.
for District Engineer N. A.

No. 722 Irrn. Civil 206
North Arcot
14 Feby -73

From
The District Engr.
North Arcot.

To
The Chief Engineer
for Irrigation
Madras

Date & Receipt Returned 21/3
Rec'd 14/3
No. 509
Enclosure 2

Returned for examination
and Retained by 2 Clerk
for perusal & Returned
The Colegar Anicut.

Memorandum

The undersigned has the honour to refer in connection to the letter No 579 of the 8th Inst. from the District Engr. Inverness Arent, to state that the intention to provide sluices with screw gearing for the Glenyarn Ancient back sluices is approved, but the Chief Engineer considers that the arrangements shown on the plans would not be efficient. The flood locks are not marked on the plans of the back sluices as they should be, and the maximum depth admissible to the channels not indicated.

It appears to be necessary to leave an 8'0" wide opening 9'3" high, & it will be better to close the vent above the level of full depth in the channel. The clutter Crop stones which will no longer be required will be used to carry the walls closing the above part of the vent.

From Chief Engineer
The District Engineer
North Argyll
No 3416
Dated 5th March 75

To
The Chief Engineer
For Information
Dated 6th March 1875
Received 8th March 1875
No 722

Requested to retain the Plans of the proposed sluices &c for the Chief's official reference

2. The plan of the head sluice shutter & spanning does not show to what the iron frame is to be fixed. But the arrangement is not a good one. The piers should be raised to maximum flood level, and the spanning should be fixed down to be directly supported instead of overhanging its attachment.

3. The form of spanner shown on the plan appears to be altered - many have been made on the regulators in Tanjore but they are not serviceable, and will have to be altered. The worked portion is apt to pull off the lower part, the spanners do not fit the mortises evenly, and it appears to be advisable to make one part of the spanner fit 4 sides of the mortise & to have a wedge piece to close the other two sides - 2 wedges will suffice. If this form of spanner cannot be successfully designed ~~[illegible]~~ it will be better & probably cheaper to have a separate spanner for each mortise in that case of course it would not be removable when the shutter is of

14/ [illegible]

Chief Engr & No 346.
dated 3 Mch 73
No 722 -
— do — 's Branch Sup
Dr: No 576.

No 86

To
The District Engineer North Arcot

Dated 14th Feby 73
Recd 21. 3

States that the intention to provide shutters with screw gearing to the Cheyaur Anicut head sluice is approved - + points out that the arrangements shewn in the plan would not be sufficient -

No 137

2 Plans and one estimate for screw shutters with raising gear for the head sluice of the Cheyaur Anicut -

Forwarded to the Dist Engr North Arcot with reference to his letter No 722 of 3rd Mch 1873 -

Signed C. A. Smith Capt R.E
Jr Chief Engr Jr Irrigation -

of the Range Officer in Madras is awaited before putting the work in hand again

J

No 137

To The Dist Engr
North Arcot

Dated 5th March 73
Dispd 7th "

Encls. 3

Returns Plans &c
of the screw gear-
ing shutters of the
Cheyaur Anicut

Points out that the
arrangements shewn
the plans would not be
cient-

Public works workshops.
Chepauk 2nd June 1874.

No 639.

From

The General Superintendent
Public works workshops & Stores.

To

The District Engineer
North Arcot

Sir

In reply to your letter No 503 dated 21st May 1874. I have the honor to state that the bill was submitted for the amount that has been expended on the work when it was ordered to be stopped as there seemed to be no intention of the work being completed. A further charge will be made to complete the work.

2. From the amount allowed in the Estimate for seven sets should correspond with the amount of my bill for part of the work. I cannot understand. The arrival of the Range Officer in Madras is awaited before putting the work in hand again

I

Shane &c.

Sy[d] J. H. Grainger
General Supt[dt]. P.W. Workshops & Stores.

Public Works Workshops.
Chepauk 8th June 1874.

No. 704.

From:

The General Superintendent
P. W. Workshops & Stores.

To.

The District Engineer
North Arcot
Vellore.

Sir

In reference to my letter No. 639 dated 2d instant I find I am in error in stating that a further charge will be made for completing the seven sets of Shutters and lifting gear. The bill was made for the full amount of estimate (as the work procured that date had considerably exceeded the estimates for the works) which has been given by me in Shane sen[r] Captain Bevan and the alterations that have to be made in the original plan are slight and for which only a separate charge will be made.

Shane &c.

Sy[d] J. H. Grainger
General Supt[dt]. P.W. Workshops & Stores

(True Copies)

North Arcot
Dist[t] Engrs Office
Vellore. September 1874

R. Pery — Captain R.E.
District Engineer, North Arcot

Revenue, Irrigation

Detailed Estimate No. 2 of 1872/73

District North arcot. Taluq Vaudavasi

Chayaur aimient

Estimate of the probable Cost of the Chayaur Head sluice & shutter and raising Gear.

Particulars	No	weight	Rate	Per	Amount	
		lbs				
Angle Iron 3" × 3" × 1/2 for standard ft.	11	116				
Flat Iron 2" × 3/8 for stays	9	23				
Holding down Plates 6" square × 1/2 thick No.	2	10				
Handle for working Gear	1.	28				
		177	200 "	Tow	15	12
Rivets for standard 3/4 iron ft	8 1/2	13 "	3 "	lb	2	7
Shutter raising screw 2 1/4 diameter "	10	133 "	2 "	lb	24	15 "
Nuts 3/4 No.	8	2 "	" "	10 each	"	1 8
Brass Nut 3" thick "	1	12 "	12 "	lb	9	" "
					52	4 6
Contingencies at 5 per cent					2	11 6
Cost of Gearing Complete Rupees					55	" "
Teak wood for shutter cft	14		3 "	cft	42	" "
Centre straps flat Iron 6" × 1/2 ft	19	190				
Face straps at ends 2 1/2" × 1/2" ft	8	160				
		350	200 "	Tow	31	4 "
Rivets 3/4 for straps No 30 lb	12	18	" 3	lb	3	6 "
					76	10 "
Contingencies at 5 per cent					3	6 "
Cost of shutter Complete Rupees					80	" "
Do Gearing &c Do					55	"
Total Cost Gearing & shutter for One Vent Rupees					135	" "

Rs 135/ One Hundred & Thirty five Rupees only.

Rs. 135 One Hundred & Thirty five Rupees only.

Rs 135/ One Hundred & Thirty five Rupees only.

	Brought forward							135	..
	Total Cost Gearing & Shutters for 7 Vents							945	..
Removing face fall	1 × 70 × 1 3/4 × 6 = 735								
Do Cornice	1 × 70 × 2 × .. 6 = 70								
Do Parapet wall	1 × 74 × 1/2 × 2 = 222								
Do Do	1 × 76 × 1/4 × 1/2 = 142 1/2								
	Total C feet of Old work		1169 1/2	..	..	6	C/ft	36	8 9
Constructing face wall	1 × 70 × 1-10 1/2 × 6 = 787-6								
Do Parapet wall	1 × 74 × 1-6 × 2 = 222								
Do Do	1 × 76 × 1-3 × 2 = 190								
	Total C feet Brickwork in Mortar with Plastering		1199 1/2	..	2	..	..	149	16 ..
Removing Cross stones & filling the two holes with brickwork in Mortar		21		..	8	..	each	10	8 ..
Refitting New Cross stones	7 × 1 × 3/4	7		..	3	..	..	21	.. ..
Removing earth over the Head sluice	33 × 2 1/2 × 2 1/2		206 1/4	..	1	6	C/d	19	5 4
Performing &			206 1/4	..	1	3	..	16	19
Pay of the Man from the work shop days		20		..	1	..	..	Day	20 .. ..
Travelling Charges for D°								5	.. ..
Carts hire for 7 shutters from P. W. shop to Railway station	705 × 7 = 4935 ft	6		..	1	14	..	Cart	5 4 ..
Conveying by Rail from Madras to Arcot station			4935	3	10	..	250 lb	71	8 11
Carts hire from Railway station to Arnee		6		..	3	..	..	Cart	18 .. ..
Scaffolding								25	.. ..
Sundries & Unseen Items								16	12 8
	Total of Estimate Rupees							1360	.. ..

Arnee
3 May 1872

Assistant Engineer Eastern Range

Colonel R.E.
Chief Engr & Secy

Revenue Irrigation

New

Detailed Estimate No. 85 of 1874/75

District North Arcot Taluq Wandewash

Work — Cheyaur Anicut Head Sluice.

Estimate of the cost of Screw gear Shutter for the Cheyaur anicut Head Sluice.

Particulars	No.	Measurements L	B	D	Quantity
Removing Old work	—		1		—
Abutments	2	4 —	2 —	6 —	96 —
Piers	6	5 —	2 —	6 —	360 —
Face wall	1	6 —	— 9	6 —	27 —
Groves	14	— 3	— 6	19 —	33 — 3
Remaining cross stones	56	1 — 6	1 — 6	1 — 6	189 —
Total Cft. of removing old work					705 — 3
Rebuilding					
Abutments	2	4 —	2 —	6 —	96 —
Do. — above	2	4 —	2 — 6	2 —	40 —
Piers	6	5 —	2 —	6 —	360 —
Do. — above	6	5 —	2 — 6	2 —	150 —
Face wall	1	6 —	— 9	6 —	27 —
Parapet wall	1	70 —	— 9	2 — 3	118 — 1½
Rebuilding Masonry displaced in removing cross stones	56	1 — 6	1 — 6	1 — 6	189 —
Do. — Groves	7	5 — 6	— 3	— 3	2 — 4½
Total Cft. of brick in Mortar					982 — 6
Running feet of dressed stone on coping the top of parapet wall	1	75 —	— 9	— 6	75 —
Total Cft. of dressed stone					75 —

Revenue Irrigation

Detailed Estimate No. 2 of 1872/73

District Chingleput

Taluq Chingleput

Cheyaur anicut

Rock 1 1/16 1/24

Earth 13 1/16 1/24

Estimate 13 1/16 1/24

Annabadoo Cost of the

Cheyaur Head Sluice

Shutter and Raising Gear

Estimate Rs. 1360 — —

P. W. 1874/75

Rs. 1360 — —

1/20/73

Chc.

1/20/74.

Abstract

Quantity	Description of charges	Rate			Per	Amount			Total			
	As per revised Estimate sent by the General Supdt. of Public Works Stores & work Shops—											
7	Sets of Shutters raising gear including teak wood Joins—	90	0	0	Set	630	0	0	✓			
8	Sets of Holding down gear—	10	0	0	Do.	80	0	0	✓			
7	Teak wood Shutters with iron work complete—	118	0	0	Each	826	0	0				
14	Angle irons for grooves—	23	9	2	Do.	330	0	0				
2	Winged Spanners—	10	8	0	Do.	21	0	0				
	Packing, Cart hire &c—					18	3	7				
	Sundries—					4	12	5	1910	0	0	
	As per work executed for fixing Shutters—											
705	Cft. of removing portions of piers, Abutments, cross Stones &c—	1	3		Cft.	55	1	3				
	Carried Over					55	1	3	1910	0	0	

Quantity	Description of charges	Rate			Per	Amount			Total			
	Brought forward					55	1	3	1910	0	0	
82	Cft. of Pelewilding with brick in Chunnam—	0	2	5	Cft.	148	5	2				
14	Fixing angle irons—					16	10	6				
	Paid to Black Smiths—					10	13	6				
	Do. to Carpenters—					11	12	0				
	Carriage for 7 Shutters (complete) from Arcot Railway Station to Cheyaur Anicut—					52	14	0				
75	R. feet of dressed stone	0	8	0	Ft.	37	8	0				
	Sundry charges for Scaffolding &c—					56	13	7	390	0	0	
	Total Estimate Rupees								2300	0	0	

Camp Wandawash
29th August 1874

W. H. Bevan Lieut. R.E.
Executive Engr. Salem Range

John Berry T. Captain R.E.
District Engineer North Arcot

The

No. 1677

North Arcot,
DISTRICT ENGINEER'S OFFICE,
Vellore 10th September 1874.

From

The DISTRICT ENGINEER,
NORTH ARCOT.

To

The Chief Engineer,
For Irrigation.
Madras.

Enclosures.
Estimates
Copy of letters.

Sir,

With reference to your Memo
No. 211 of 14th March 1874, I have the in-
honour to forward an estimate
amounting to Rupees 2300, for the
provision of shutters with screw gear-
ing for the head sluice of the Cheyar
Anicut.

2. The circumstances of the
case have already been explained
in my letter No. 3619 of 5th March 1874.

3. The estimate for the shutters
and gearing is merely a copy of the
bill received from the Public Works
Stores, and the sums entered as cost
of fixing are those actually expended.

The

Revenue
Irrigation } New

Detail Estimate.

Vide 85 of 1874-75.

District North Arcot
Taluq Wandiwash
Cheyar Anicut Head
Sluice

Works 2/16 91/74

Estimate of the
cost of screw gear shutts
to fix in the cheyaur
Anicut Head Sluice.

Rs. 684 2 0

Estimate Rs 2300

P.P. 5-10-74
2

4. The present estimate amounts to Rupees 1910 for the shutters and gearing, and Rupees 390 for carriage and fixing, the original estimate, which is enclosed for comparison, having been Rupees 945 for the former, and Rupees 415 for the latter.

5. The difference of Rupees 965 in the first part of the estimate is accounted for as follows;

the original estimate for each shutter was Rupees 80, and for the gearing complete, Rupees 55; according to the present bill it is Rupees 118 for each shutter, and Rupees 100 for each set of gearing; this makes a difference of Rupees 83 for each shutter or Rupees 581 in all.

6. The angle iron bearings, costing Rupees 330 were not provided in the original estimate, and the spanners cost Rupees 21. Packing and sundries and a spare set of holding down gear account for the remaining Rupees 33.

I

7. I confess to being unable to understand the reason of this great increase (Rupees 581 on Rs. 945 or upwards of 60 per cent) in the cost of the work, in the face of the two letters from the General Superintendent Public Works Stores, copies of which are enclosed.

8. I have inspected the shutters since they were put up, and they work smoothly and satisfactorily but at the time I saw them there was no water in the river.

I have the honour to be,

Sir,

Your Most Obed.t Servant.

R. Rundall Captain R.E.;

District Engineer,

North Arcot.

and, as at present informed, this difference
would seem to be inadmissible.

The additional items which are admissible are

Holding down gear	Rupees 80
Angle irons for grooves	330
Spanners	21
	431

in addition to perhaps some carriage charges,
and unless better evidence can be adduced for
paying the workshops the 511 Rupees added to
the original bills, this amount should be dis-
allowed.

5. It is accordingly recommended that
Rupees 1800 be sanctioned for the work done
to the Cheyair head Sluice.

Palamcottah
6th Octr 1874

H. Hudleston Lieutt Colonel R.E.
Chief Engineer for Irrigation

To

The Secretary to Government
Public Works Department.

P.W.D. Office
No. 1545

From

The District Engineer,
North Arcot.

To

Lt. Col. H. Hudleston
The Chief Engineer
for Irrigation
Cuddalore

Dated 10th September 1874.

Received 11th September 1874.

Rly. No. 1 3 Nov. 1874.
No. 3216.

Enclosure 3

Subject.

Forwards an estimate
for Rs. 230 for a kunion
of wheel with screw
gearing for the head
sluice of the Cheyaur
River.

14/11/74

Rs 918

Audited & Passed 23rd Oct 74

Enclosure 4

No 829.

Note by the Chief Engineer for Irrigation.

In transmitting the estimate the

accompanying estimate for cutting 600 running

ing to Rupees 2,300 for new shutters and

regulating gear for the Cheyair Anicut

Samuel Headsluice, it is necessary to explain

briefly the circumstances under which the

work has been done without previous sanction

2. On February 1873 an estimate of Rupees 1360

was submitted, and the intention to attempt

shutters was approved, but it was regarded as

that in general terms the details of the

arrangements were deferred

On this estimate the contractor

and pears was paid for the Special Injection

Tal Public Works Ledger, and entered

at Rupees 915

3. On March 1874, the Divisional Engineer

requested sanction to the estimate of Rupees

1360 it having been found that the shutters and

gear had been already ordered and that the

work had been done as the Headsluice at Sukkur 1873

as to enable it to dispense with the otherwise

So

No. 1874 Dept.
From Pub. Wks. Secretariat
No: 6649
The Chief Engineer for
Irrigation

To, The Secy: to Govt:
P.W.D.
No. 829.
Dated 18th
Dept 23rd } October/74.
Rec'd 23rd

Copy 4

Note on the estimate
amounting to Rupees 2300
for the provision of
shutters with screw
gearing for the Head Sluice
of the Cheyair Anicut

Rg. 23 Nov/74
No. 3216.

Ordered
1/11/74
Audit Office 23rd Oct/74

go forward with the work. The District Engineers at the same time proposed to see what could be done to remove the defects which had been noticed.

4th It appearing to be better that effective arrangements should be carried out once for all and their cost ascertained, also that but one application on the subject should be made to Government, Captain Pennycuick was asked to do, and he had now forwarded the bill which requires sanction, and in doing so has pointed out that the great difference between the two estimates is due to the enhancement of the work-charges, and that his endeavour to get this explained has not resulted in its being satisfactorily shown why such much higher charges have been made, indeed Mr. Grainger's second letter indicates that there were but trifling alterations made, and that for these only would an extra charge be required.

First estimate Gear 7×55 =	385	
" " Shutters 7×80 =	560	945
Second " do Gear 7×90 =	630	
" Shutters 7×118 =	826	1456
Difference Rupees		511.

and

No 211 - 14th March

No 704 - 8 June 74

Proceedings of the Public Works Department of the Madras Government
Read the following
From Lt Col. R. Arst. (H.E. No 1677 of 10 Sept 74)
Chief Engineer
for Irrn (H.C. Sale 829 dated
23rd Oct 1874)

No 3216.

Under the circumstances reported by the Chief Engineer for Irrigation, Rupees 1800 are sanctioned for work done in providing new shutters and regulating gear for the Cheyair Anicut-head Sluice in North Arcot.

2. It appears to the Government that, unless satisfactory reasons can be adduced for the enhancement of the workshops' bill for the work originally ordered

ordered, the excess on this account cannot be admitted

Wm. 17/10/74

Comm

35

To The D.E. North Scot
— Chief Engr for Ist
— ~~Sub Insp of Pkt Lt~~
Deal Castle
— Contable, Woods
— Deal Engr Corp

& Copies desp'd 19/11/74

218–220

Rec'd 20/10/74
Rec'd 21/10/74
Answd & Copy 23rd Oct/74

6649

Govt. of Madras.

PUBLIC WORKS.

To

The Dr. Engr.
S. Arcot.

Dated

Recd. Encl. 4

G. O., 13 Nov. 1874, No. 3216

Nos. 218-219-220

C. Cheyair Anicut - North Arcot Dt - Rs. 1,800 ~~enclosed with remarks~~ for work done in ~~the~~ providing new shutters & regulating gear for the Anicut head sluice enclosed with remarks —

Recd 16 Dec 23rd Oct/74