GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

Proceedings of the Court of Wards, dated 2nd September 1884, No. 3063.

Read—the following letter from Lieut.-Colonel H. R. MEAD, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 25th July 1884, No. 652 T.J. :—

With reference to G.O., No. 1523 W., dated 18th June 1884, ordering that works in estates under the Court of Wards be placed under this department, I have the honor to point out that, as paragraph 2 of the resolution of the Court of Wards No. 1866 directs the subordinate establishment employed on any estate to be under the orders of the Superintending Engineer, I suppose it is intended that *all the work* in each estate shall be carried out by this department, and as paragraph 2 of G.O. No. 1523 W. orders the Examiner to issue instructions with regard to accounts, I presume that Government intend that all the works should be carried out under code rules. If this is the case, I have to point out that for the estates of Ramnad and Gandamanáyakanúr, very heavy establishments will be necessary, and, in fact, it will be necessary for a new division and sub-division to be formed for these two estates, as it will be impossible for the Executive Engineer, Madura, to carry on all the works in the estates and his present division.

2. I venture to suggest that this should not be done.

In the Government districts, it has been thought right to relieve the department of all charge of what are called minor irrigation works (as a rule works irrigating less than 200 acres are called minor) and of all repairs to buildings and other works the cost of which is less than Rs. 1,000. I would propose that the same course should be adopted with regard to works in estates under the Court of Wards ; that the Collector should, through his managers, carry out all repairs to irrigation works that may be, by him and the Superintending Engineer, classed as minor, and also execute all repairs to buildings, &c., the estimated cost of which should be less than Rs. 1,000 ; that for this he should be given a small establishment, and, of course, be allowed to call on this department for advice when necessary. The execution of work, however, will be chiefly done through the Revenue establishments in the estates, as is done with regard to similar works in the Government districts. Of course, any work that the Collector and Superintending Engineer considered advisable to be carried out by the Public Works Department would be so carried out.

With regard to the larger irrigation works and important repairs, they will be done under code rules by this department.

3. I think the following facts as regards Ramnad zemindari, which have been kindly given to me by Honorary Deputy Collector Raja Ram Row, manager of the estate, will show that some arrangement, as above sketched out, will be necessary :—

Ramnad has an area of 2,361 square miles. There are in it 1,281 tanks. Of these, 922 belong to the estate proper, 315 to devastanam, and 44 to chattram funds. Of these—

64 irrigate over 500 acres.
138 ,, ,, 200 and under 500 acres.
234 ,, ,, 100 ,, 200 ,,
290 ,, ,, 50 ,, 100 ,,
555 ,, under 50 acres.

These tanks, as a rule, get a very short supply, but are liable to serious injury when the rainfall is heavy.

The repair allotment for the estate of this official year is Rs. 95,300, of which probably about Rs. 8,000 is for buildings, the remainder for irrigation.

In 1882-83, the expenditure on irrigation repairs was only Rs. 27,478 ; it is, however, notorious that this sum was not sufficient to keep the works in proper repair. Many of them, I am informed, require extensive repair. For a short time prior to 1880, there was a special establishment costing Rs. 833-8-0 a-month, or Rs. 10,002 a-year ; it consisted of one engineer, on Rs. 470, two overseers, two sub-overseers and an office establishment.

There is now an establishment costing Rs. 6,252 a-year ; it consists of one supervisor, Rs. 150, two overseers, two sub-overseers and the same office establishment as before. The repairs to buildings include repairs to chattrams, &c.

4. If the proposal made in paragraph 2 of this letter is adopted, I would suggest the following establishment for Ramnad :—

Public Works Department.

One sub-officer under the Executive Engineer, Madura, with establishment and one extra draftsman.
Two overseers with establishment.

Under the Manager of the Estate.

Four sub-overseers and four lascars.
Two clerks in the manager's office.

For Gandamandyakanir.

One supervisor under the sub-officer of Dindigul, with ordinary establishment.
One extra clerk in the sub-division office.

Under Manager.

One or two sub-overseers.

The executive office in Madura should be raised from third class to second class. Of course, if any extensive works are taken up in either of the estates, the establishment will be increased. With regard to Tanjore and Trichinopoly, probably an extra overseer may be required in Tanjore and perhaps a maistry in each district under the Collectors.

5. I am sending a copy of this letter to the Collector of Madura, in order that his opinion on the proposal may be sent in.

No. 428 E., Public Works.

Referred, through the Revenue Department, to the Court of Wards for favor of early remarks.

OOTACAMUND, 4th August 1884.

(Signed) J. SHAW-STEWART, Col., R.E., Secretary to Government, P.W.D.

Mis. No. 3572, Revenue.

Forwarded accordingly.

OOTACAMUND, 18th August 1884.

(Signed) H. E. STOKES, Secretary to Government.

Resolution—dated 2nd September 1884, No. 3063.

The Court of Wards have no objection to minor irrigation works and repairs costing less than Rs. 1,000 being left to the Collectors in the smaller estates scattered over the Presidency, but they do strongly object to any such arrangement as regards the Ramnad estate.

2. It was the state of affairs in Ramnad shown in Board's proceedings, No. 96, dated 14th January 1884, that particularly led the Court to ask for the assistance of the Department of Public Works. Very large sums of their ward's money are being spent on the small irrigation works described by Colonel Mead, and the Court are not satisfied that the money is well spent. The larger and smaller tanks in Ramnad are, it is believed, intermingled together, and it does not appear to be advisable to have two establishments going over the same ground. The Court, therefore, trust that the Superintending Engineer will be directed to take over all the works in the Ramnad estate.

(True Copies and Extract.)

(Signed) G. MACKENZIE, Acting Sub-Secretary.

To the Secretary to Government, Revenue Department.

Mis. No. 4103, Revenue.

Transferred to the Public Works Department.

OOTACAMUND, 17th September 1884.

(Signed) H. E. STOKES, Secretary to Government.

Proceedings of the Court of Wards, dated 5th September 1884, No. 3121.
Endorsement in the Revenue Department, dated 30th September 1884, No. 4261.

From Lieutenant-Colonel P. MONTGOMERIE, R.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 24th September 1884, No. 230 G.L. :—

With reference to your memorandum, No. 1161 D., dated 26th June 1884, I have the honor to forward, herewith, a statement showing the additional establishment required in the Ganjam, Vizagapatam and Godávari districts on account of the transfer of works on Wards' estates to the Public Works Department.

2. The proposed allotments for expenditure on works of the different estates in the Ganjam district during the fasli 1294 (from 6th July 1884 to 30th June 1885) according to the budget lists furnished to me by the Collector, amount to Rs. 2,30,991, and the contribution to be paid to Government at 23 per cent. upon the outlay will be Rs. 53,130. The cost of additional establishment required in the circle office and in the Ganjam division amounts to Rs. 14,298.

3. The two additional clerks applied for for the Superintending Engineer's office are absolutely necessary as the work in the office has already been greatly increased since the formation of the Godávari Central and Rushikulya divisions.

4. I have not yet received the budget lists of works for the fasli 1294 from the Collectors of Vizagapatam and Godávari, but taking the allotments for works the same as those for last fasli (*vide* statement printed with G.O., No. 1067 W., of 28th April 1884) I have applied for one temporary overseer, 3rd grade, for five months * for each of these districts for employment on estate works.

* From November 1884 to 31st March 1885.

5. The formation of sub-divisions in the Ganjam division will be reported hereafter.

ENCLOSURE.

I CIRCLE.

STATEMENT showing the additional establishment required in the Ganjam, Vizagapatam and Godávari districts on account of the transfer of works on Wards' estates to the Public Works Department.

ORDER SANCTIONING PRESENT ESTABLISHMENT, GOVERNMENT OF MADRAS.		Office to which the proposition refers.	NATURE OF CHANGE.										PROPOSITION.					
			Present Scale.					Proposed Scale.					Permanent.		Temporary.			
					Pay.					Pay.			Increase per month.	Decrease per month.	Increase per month.		Decrease per month.	
No.	Date.		No.	Designation.	Minimum.	Increment.	Maximum.	Average or Fixed.	No.	Designation.	Minimum.	Increment.	Maximum.	Fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
										SUPERINTENDING ENGINEER'S OFFICE.	RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.
									1	Clerk	..	..	..	30	..	..	..	30	..	..
									1	Do.	..	..	..	20	..	..	..	20	..	..
										Total per month ..	..	..	..	50	..	..	..	50	..	..
										Total per year ..	..	..	..	600	..	..	..	600	..	..
										GANJAM DIVISION.										
										Engineer Establishment.										
									1	Assistant Engineer	..	..	..	450	..	..	..	450	..	..
										Upper Subordinates.										
									1	Overseer	..	..	..	80	..	..	..	80	..	..
										Petty Establishment.										
									1	Storekeeper	..	..	..	25	..	..	..	25	..	..
									4	Lascars at Rs. 6 each	..	..	..	24	..	..	..	24	..	..
										Conservancy Establishment.										
									1	Head lascar at Rs. 7	..	..	..	7	..	..	..	7	..	..
									12	Lascars at Rs. 4 each	..	..	..	48	..	..	..	48	..	..
1729 W.	G.O., No. 1729 W., and No. 3211 W.	Division.																		
	14th July 1881 and 6th December 1882.																			
										Office Establishment.										
										1st Class Division Establishment.										
									1	Clerk	..	..	..	60	..	..	..	60	..	..
									1	Do.	..	..	..	40	..	..	..	40	..	..
									1	Draftsman	..	..	..	35	..	..	..	35	..	..
										Sub-Divisional Establishment for three Sub-Divisions.										
									1	Clerk	..	..	..	20	..	..	..	20	..	..
									1	Do.	..	..	..	15	..	..	..	15	..	..
									1	Messenger at Rs. 6	..	..	..	..	..	..	..	6	..	..
										Overseer's Establishment for five Overseers.										
									1	Clerk	..	..	..	15	..	..	..	15	..	..
										Total ..	..	..	..	..	..	..	..	825	..	..
										Travelling allowance ..	..	..	..	..	..	..	..	300	..	..
										Contingencies	..	..	..	..	..	..	..	44	..	..
										Total per month ..	..	..	..	..	..	..	..	1,169	..	..
										Total per year ..	..	..	..	..	..	..	..	14,028	..	..
	Budget for 1884-85.	Godávari District. Vizagapatam Division. Ganjam								VIZAGAPATAM DIVISION.										
										Upper Subordinates.										
									1	Overseer	..	..	..	60	..	..	..	60	..	..
										Travelling allowance	..	..	..	45	..	..	..	45	..	..
										Total per month ..	..	..	..	..	..	..	..	105	..	..
										Total per year ..	..	..	..	..	..	..	..	1,260	..	..
										GODAVARI DISTRICT.										
										Upper Subordinates.										
									1	Overseer	..	..	..	60	..	..	..	60	..	..
										Travelling allowance	..	..	..	45	..	..	..	45	..	..
										Total per month ..	..	..	..	..	..	..	..	105	..	..
										Total per year ..	..	..	..	..	..	..	..	1,260	..	..
										Grand Total for the year ..	..	..	..	..	..	..	..	17,148	..	..

DOWLAISHWERAM,
24th September 1884.

(Signed) P. MONTGOMERIE, Lieut.-Col., R.E.,
Superintending Engineer, I Circle.

Note by the Chief Engineer for Irrigation, dated 11th October 1884, No. 89 E.W.

Order—dated 28th October 1884, No. 2659 W., Public Works.

Communicated to Superintending Engineers for information and guidance, in continuation of G.O., No. 1523 W., dated 18th June 1884.

2. Proposals for establishment required to carry out work in Wards' estates should be framed with reference to the arrangements now approved by the Court.

3. The Superintending Engineer, VI Circle, will arrange for taking over all the works in the Ramnad estate as proposed by the Court of Wards. To admit of the work being properly attended to, a temporary division will be formed under an Executive Engineer on Rs. 550, to whose appointment the sanction of the Government of India will be requested. The exact strength of the subordinate establishment to work under the Executive Engineer will now be reported by the Superintending Engineer. It is observed that the repair allotment for this estate, available for expenditure during the current official year, is set down as Rs. 95,300, and the scale of establishment should be fixed at a reasonable percentage on this amount.

4. The establishment proposed by the Superintending Engineer, I Circle, for wards' estates in that circle is approved, subject, as regards the Assistant Engineer on Rs. 450, to the sanction of the Government of India to the creation of the post.

Note.—The Statement has been revised in the Secretariat; the additional establishments being all classed as *temporary*.

5. It must be understood that all establishment sanctioned for the execution of works on wards' estates will be *temporary*.

6. The sanction accorded in paragraph 4 above has been registered as Provincial No. 58 W. of 1884-85, and classified as "Establishment, Temporary."

(Here enter No. 2660 W., dated 28th October 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.
" Revenue Department, with manuscript copy of Mr. Sullivan's remarks.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated October, 28th.

Recd. *Encl.*

G.O., 28th Oct. 1884, No. 2659 W.

OCTOBER.

Wards' Estates

Orders on proposals for establishment to carry out works in —, transferred to the Public Works Department.

General Branch

Sixth Circle
Rammad Estate Division
Part II
Civil Buildings

Detail of the Budget Estimate of Repairs under &c for the year 1886-87

Head of Executive Classification	Division	Locality	Items	Estimate 1886-87 Amount	Estimate 1886-87 Total	Estimate 1885-86 Amount	Estimate 1885-86 Total	
III Items adjustable by Civil Department "Miscellaneous"		Rammad	Annual Repairs	1500		* 1500	1500	Details and Estimates will be forwarded when the actual requirements are known - as yet they are not known.
			Special Repairs	2000	3500			
			Annual Repairs	-		*		
			Special Repairs	4000	4000	8000	8000	
			Annual Repairs	"		*		
			Special Repairs	2500	2500	5300	5300	
					10000		14800	

1st October/85

* Includes Reserve.

W Errington
Executive Engineer
Rammad Division.

Arrack
Bty 30645-
Camb 34987
Surgical 14523
21853
Total Under
Petrain
Bty 15720
Camr 32640
Surgl 30910
#84940
Grand Total
2.71775

General Branch

Sixth Circle
Ramnad Estate Division
Part IV
Detail of Budget Estimate for Tools & Plant required for Estate Works for 1886-87

Division	Surveying Instruments & Drawing Materials	Machinery	Tools	Plant	Office Furniture	Camp Equipage	Live Stock	Repairs & Carriage	Total for 1886-87	Estimate 1887-88	Remarks
Ramnad	"	"	200	"	"	"	"	50	250	1500	Details cannot be furnished till the actual necessities are ascertained.

17th October 1886

W. Pennington
Executive Engineer
Ramnad Division

Superintending Engineer's Office
Received 28 OCT 1886
Madura

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Pachimpoly 28 Oct 1885.

No. 324. R.W.

From

The Superintending Engineer,
6th Circle.

To

The Chief Engineer
P.W.D.

Sir,

ENCLOSURE 3.

I have the honor to forward herewith Budget Estimates for Original works, Repairs and Tools and Plant of the Ramnad Dn for 1886-87

2. The Budget for Irrigation works will be sent to the Chief Engineer for Irrigation

3. The statement of proposition for temporary Establishment for Ramnad Dn will be sent in April 1886.

I

I have the honor to be,
Sir,
Your most obd.t Serv.t

W.m Colkr

Superintending Engineer
6. Circle

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,

6th Circle.

To

The Chief Engineer
P. W. D

No. 324, R. h

Dated 28th October 1885
Received

Enclosure 3.

Re 1850 Cap'n 11-85

Forwards Budget estimates for original works &c of the Ramnad Div for 1886-87

P.D.

C No. 946

Note.

It is proposed to obtain similar budget Estimates for estate works situated in other circles so that one budget for all estate works to be undertaken by the P.W.D. state during 1886-87 may be compiled and submitted to the Revenue Department for necessary orders and provision of funds.

C div

The Northern Taluk

Chief Engineer
P. W. D

No. 1850 Cap/14 Dt. 14th November/85

Circular.

The undersigned has the honor to invite attention to the Proceedings of the Govt. noted in the margin and to request the Supg Engineer, I Circle, to submit as soon as practicable, Budget Estimates for 1886-87 for works that are likely to be carried out by the P.W. Deptt on the estates, under the Court of Wards, situated in the Circle.

Similar copies to SEs III, IV & V Circles.

Secy.

12-11-85

× G.O. No. 1067W dt 28 April 84.
G.O. No. 1523W dt 18 June 84

20 Mr Rups Cap I Circle
Despd 16-11-85

No 2552 D aj 10-11-85
" 1662 C aj 20-10-85
" 2313 D aj 12-19-85
" 675 E aj 30-9-85
" 527 E aj 27-8-85
Eo. B 797 W aj 31-7-85
" 3085 W aj 15-12-84
" 1055 D aj 24-11-84
" 2820 W aj 10-11-84
No 1992 D aj 7-11-84
Ajo. 2660 W aj 28-10-84
" 2659 W aj 28-10-84
" 1978 W aj 13-8-84
" 719 D aj 11-8-84
" 1523 W aj 18-6-84
" 1067 W aj 28-4-84
" 387 W aj 13-2-84

No 1850 C aj 14-11-85

No 1903. North Ascot Collectorate
Cehetten 1st December 85.

From

H. J. Stokes Esqre
Collector of North Arcot.

To

The Superintending Engineer
H. C. Circle

Sir,

I have the honor with reference to your letters No. 283 dated 27th August last, and 399 dated 24th October, to state that I have in communication with the Poundar Wando, made other arrangements to carry out the Irrigation works in the Eskate under their management in this District.

I have &c.

(Sd) H. J. Stokes
Collector

True Copy.

W. H. Nelson Lt. R.E.
Offg Deputy Engineer & Surveyor.

No. 3977

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepâk, 14th Decr 1885

From

THE SUPERINTENDING ENGINEER,
V CIRCLE,

To

THE Chief Engineer
P. W. Department.

SIR,

Enclosures.

1 Copy of Collector's letter No 8782 dated 10/12 with B—

With reference to your Circular No 1850/C dated 14th November 1885 I have the honor to report, that there are no works in the Konganâ Estate under the Court of Wards in the North Arcot Division, to be carried out by the P. W. Department, the Collector has made his own Arrangements to carry out these works as per Copy of his letter No 193 dated 1st December 1884 herein enclosed

For

for information. There are no new works exceeding Rs 1,000—o proposed to be carried out in the Serajgunj Subdivision, But the Executive Engineer reports that he has forwarded 2 Estimates for repairing Bunds, to the Collector for his disposal in accordance with the Resolution of Government in the Revenue Department No. 3063 dated 2nd September 1885 printed in G. A. No. 2659 M. dated 28th October 1885.

I have the honor to be
Sir,
Your most Obt. Servt.

W. H. Thurston Coll. & Co.
Offg. Superg. Engineer
5th Circle

Rs.

estates
found
in the
o no
for works
ates
received
from
ore of
lose
ward
ear.

Rs. 1,
2.

C. No: 1060.

Note.

As no action can be taken on this paper until the budget-estimate for Wards' Estates in the I Circle is received, the accompanying letter will have to lie over pending receipt of reply to memo No: 1850 C dy 14th Nov 1885 from the S. E. I, to whom a reminder has also been sent.

Submitted for orders.

Maj

B
Comfirle
Cn
15.12.85

From

The Superintending Engineer,

V Circle,

To

The Chief Engineer,
P. W. D.

Dated 14th December 1885.
Recd.

Enclosures. 1

No. 3977

Works in Estates under the Court of Wards—
Reports that are no— to be carried out by the P. W. Department.

P.W. Department.

Budget Estimate of the Estate Works under the Administration of the Court of Wards in the Fourth Circle for the year 1886-87.

Name of Estate	Description of Work	Probable amount of expenditure in 1886-87.	Remarks.
	Salem District		
Nilgiris	Nil		There are no estates under the Court of Wards in the Nilgiris and no proposals for works in such estates have been received up to date from the Collectors of Coimbatore or the Canara or Malabar.
Erumaipatti	Raising the bund of Erumaipatti Tank	Rs: a p 500—0—0	
	23 per cent of Establishment charges	115—0—0	
	Total Rupees	615—0—0	

Supg. Engrs. office, Trichy
Camp Pudupadi
7th February 1886

Supg. Engineer, 4th Circle.

P. W. Department

Fourth Circle.

Budget Estimate of the Estates Works under the Administration of the Court of Wards in the Fourth Circle for the year 1886-87

Supg. Engineer's Office, 4th circle.
Camp Indupadi, 7th February/

No. 37
E. W.

From

The Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. D.

Sir,

Enclosures 1 — With reference to your Circular Memo. No. 1850 C of 14th November 1885, I have the honor to forward herewith the Budget Estimate of the Circle for works on Estates under the Court of Wards for 1886-87. I have not heard definitely from Malabar and South Canara regarding possible works in those Districts, but as there was no outlay of this kind there in 1885/86, probably the Collectors of those Districts will be able to arrange for such works being carried out by other Agency.

I

I have the honn to be,
Sir,
Your most Obed.t. servant.

E. Beatty - Col. R.E.,
Supg. Engineer, 4th Circle.

From

The Supg. Engineer,
Fourth circle.

PRINTED BY
10 FEB 86
REGISTRY

Dated 7th
Recd } February/86.

No. 37
E.W.
Encls: 1

Budget Estimate for
works on Estates under
the Court of Wards:—

Forwarded the—

2.6.86

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards, situated in the 1st Circle.

Buildings Original Works.
Ganjam Division.

Head of Classification.	Executive Divisions	Locality	Item No.	Project and Works.	Amount of Estimate	Outlay actual & Probable to end of during 1884-85	1885-86	Grant for 1886-87 Amount	Total	Item No.	Remarks and References.
				Ganjam Division.							
				Parlakimidi Estate.							
				Buildings. Original Works.							
			1	Constructing Buildings at Limey for the accommodation of the Zamindars	8589	4061	700	3828		1	Court of Wards Proceedings No 2263 of 11th September/84.
		Mokha-lingam.	2	Improvements to Buildings	9146	3195	1000	4951		2	Do — Do —
		Kimidi	3	Palace Stables	10750	3862	5000	1888		3	Do No 175 of 2nd January/84.
		"	4	Bullock sheds	2924	.	500	2424		4	Do Mis: No 2101 of 6th March/85
		"	5	Rajah's choultry compound wall with gate and railings	4592	1216	700	2676		5	Do Mis: No 918 of 23rd April/84.
			6	Elephant sheds	1536	.	500	1036		6	Do Do No 2101 of 6th March/85.
		Battisiri-puram ancient	7	Lascars houses and Vent plank houses	1105	.	100	1005		7	Do No 5833 of 15th November/84
						Carried over		17808			

Buildings Original Works.
Irrigation Division.

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court Wards situated in the 1st Circle.

Head of Classification	Executive Divisions	Locality	Item No.	Project and Works	Amount of Estimate	Outlay actual to end of 1884-85	Outlay Probable during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No.	Remarks and References.
				Parlakimidi Estate (contd)		Brought forward		17808			
		Kimidi	8	Improvements and repairs to the Minor Zamindar's school	1570	1306		264		8	Collectors Rc 3660 of 1-10-85.
		Rama-Lagaram	9	Erecting out buildings at Ramalingeswara-swamy's temple; also Dwajastambam or a wooden post in front of the Mantapam	1765	1644		121		9	Court of Wards Proceedings No 45 of 9-1-84
		Jeelugu	10	Constructing Rest house	565	"		"	565	10	Do No 5591 of 20-6-84
		Parla-kimidi	11	Do cheetahs' cages to be placed in the palace compound	1410	"		"	1410	11	Collectors No 511 of 29-9-85
						Total Buildings Original Works			20168		

Budget-Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle.

Head of classification	Executive Division	Locality	Item No	Project and Works	Amount of Estimate	Outlay Grant of 1886-87 actual to end of 1884-85	Probable during 1885-86	Amount	Total	Item No	Remarks and References
				Parlakimidi Estate (contd)							
Irrigation Original Works	Ganjam Division.			Irrigation Original Works							
			12	Improvements and alterations to the Kistna Lagaram High level chl	7177	1162	200	5815		12	Court of Wards Proceedings No 48 of 9-1-85.
			13	Rampore Radhasaga -ram Project	7043	769	500	5774		13	Do No 5833 of 15th November/84
			14	Rangasagaram East High level channel	6889	2292	-	4597		14	Do — Do — Do
		Sarubakota	15	Constructing a Surplus weir to Dara tank	204	26	-	178		15	Court of Wards Proceedings No 5833 of 15-11-84.
			16	Do a Surplus Weir to Peddamady Dasara -this tank	347	-	-	347		16	— Do — Do
		Kimidi	17	Constructing Sluice with lock up Iron gear to Sitasagaram	1180	-	-	300		17	Do — Do
			18	Do a Surplus weir to Arli Bapanna tank	158	-	-	158		18	Do — Do
						Carried over		17169			

Budget Estimate for 1886-87 for Works that are on the Estate under the Court of Wards situated in

Irrigation Original Works

Gangaram Division

Head of classification	Executive Divisions	Locality	Item No	Project and works	Amount of Estimate	Outlay actual to end of 1884-85	Outlay Probable during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No	Remarks and References.
				Parlakimidi Estate (contd)							
					Brought			forward	17,169		
		Loogada	19	Constructing a surplus Weir to Voora tank	158	-	-	-	158	19	Court of Wards Proceedings No 5833 of 15-11-84.
			20	Do Do to Kristna Potoor Palla tank	158	-	-	-	158	20	Do — Do — Do
			21	Do Do Dasapuram tank	158	-	-	-	158	21	Do — Do — Do
		Allada-petta	22	Do Do to Narendra tank	158	-	58	100	158	22	Do — Do — Do
			23	Do Do Bhoopaty Lakshmiparam tank	158	-	58	100	158	23	Do — Do — Do
			24	Do Do to Losiripuram Narady tank	158	-	-	-	158	24	Do — Do — Do
		Bugada	25	Constructing a surplus Weir to Gathi Lona tank	158	-	-	-	158	25	Do — Do — Do
		Sundarada	26	Do Do to Voora tank	158	-	-	-	158	26	Do — Do — Do
			27	Do Do to Fidding Dhanusagaram tank	1430	-	500	930	1430	27	Do — Do — Do
		Togiri	28	Constructing a Sluice to Pedda tank	152	-	-	-	152	28	Do — Do — Do
								Carried over	19399		

likely to be carried out by the Public Works Department the 1st Circle.

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle.

Head of classification	Executive Divisions	Locality	Item No.	Project and Works	Amount of Estimate	Outlay actual to end of 1884-85	Outlay Probable during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No.	Remarks and References.
				Parlakimedi Estate (contd)							
				Brought forward				21,012			
Original Works	Division	Kanitivada	42	Constructing a sluice to Rayee tank	111	34	-	77		42	Court of Wards Proceedings No 5833 of 15th November 1884
		Goondavada	43	Do to Chaparayi tank	111	-	-	111		43	Do — Do —
		Kommu-cariapally	44	Do to Dasunayadu tank	111	-	-	111		44	Do — Do —
		Kommana-halli	45	Constructing a sluice to Kotta tank	89	-	-	89		45	Do — Do —
			46	Do to Podding Pedda tank	89	-	-	89		46	Do — Do —
		Nowtala	47	Do to Voora tank	89	-	-	89		47	Do — Do —
		Parapuram	48	Do to Chintala tank	59	-	-	59		48	Do — Do —
			49	Do to Gonathadiapata tank	59	-	-	59		49	Do — Do —
			50	Alterations to Ninagam-river Head sluice	170	-	-	170		50	Principal asst Collectors No 10 of 8th January 1885.
			51	Improvements to the Marripadu Pedda Calingal	1576	92	-	1484		51	Revenue Board 14th February 1885
			52	Constructing a sluice to Chinna Parapuram tank	75	-	-	75		52	Court of Wards Proceedings No 45 of 9th January 1884.
			53	Lengthening a Culingala and sluice to Limmala-padu tank	950	922		28		53	Court of Wards Proceedings No 578 of 16th January 1878.
				Total Irrigation Original Works					23453		

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle.

Communications Original Works

Yanam Division

Head of classification	Executive Division	Locality	Item No.	Project and Works	Amount of Estimate	Outlay actual to end of 1884-85	Outlay Probable during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No.	Remarks and References.
				Parlakimedi Estate (contd)							
			54	Battisapiperam road otherwise called road from Ospalada to the foot of Gerangi Ghat	13647	9094	110	2000		54	Court of Wards Proceedings No 139 and 1170 of 3rd May and 16th October 1883.
			55	Ghat road up to Gumma pass	25400	7466	100	2100		55	Do No 4380 of 19th September 1877 and G. O. No 3255 of 12th November 1877
			56	Improving road from Ospalada to Kinchilingi 13 miles	8390	1076	-	3000		56	— Do — Do No 2263 of 11th September 1882.
			57	Improving road from Chopara to Goppili Via Garalanda	6838	2716	300	3822		57	Do — Do — No 45 of 9th January 1884
			58	Improving Goosady road 5½ miles	5119	1698	600	2821		58	Do — Do —
			59	Improving road from Kimedi to Parapuram 4 to 9 miles	4364	94	1000	3270		59	Court of Wards Proceedings No 5833 of 15th November 1884.
			60	Improving Nowtalo road 7 miles	4695	-	600	4095		60	Do — Do —
						Commissioner		21108			

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st circle.

Head of classification	Executive Division	Locality	Item No.	Project and Works	Amount of Estimate	Outlay actual totals of 1884-85	Outlay Probable during 1885-86	Outlay Amount	Outlay Total	Item No.	Remarks and References.
				Parlakimidi Estate (contd)							
Communications Original Works	Gumsur Division				Brought	forward		21,108			
			61	Improving Palem and Jeelugoe road	7100		500	6600		61	Court of Wards Proceedings No 5833 of 15th November 1884.
			62	Improving first 3 miles of Kimidi Parapuram road.	3595	1698	500	1397		62	—Do— No 45 of 9th January 1884
			63	Raising and grading the road from Pattapuram to Goppili via Garahanda from 7th furlong of 8th mile to junction on 4th furlong of 21st mile at Goppili.	2511	286	100	2125		63	—Do— ditto: No 4983 of 6th June 1884.
			64	Constructing Mahandra Janiah river approach at Lingipuram on Gosady road	400	-	310	90		64	Court of Wards Proceedings No 5833 of 15th November 1884.
			65	Constructing Mahandra Janiah river approach on Boragam North Bank	400	-	-	400		65	Do — Do —
						Carried over		31,720			

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle.

Communication Original Works

Yanaon Division

Head of classification	Executive Division	Locality	Item No	Project and Works	Amount of Estimate	Outlay Actual to end of 1884-85	Outlay Probable during 1885-86	Outlay Amount	Total	Item No	Remarks and References
				Parlakimidi Estate (contd)							
				Brought forward				31720			
			66	Constructing a bridge of 3 spans in lieu of old flat faced of 12 ft span in 1st furlong of 9th mile of Palem and Tenthore road in Kimidi Estate	595	31	200	364		66	Court of Wards Proceedings Mis: No 1645 of 25th February 1885.
			67	Constructing a new bridge over the Supply Gedda to Tenthore & Surla Janko in 1st furlong of 12th mile Palem Tenthore roads	325	..	..	325		67	Do Do Mis: No 1601 of 20-2-85
			68	Building blocking courses and parapets and adding two drops and aprons to 3 arch bridge in 6th furlong of 16th mile Gilla road	439	.	200	239		68	Do Do Mis: No 3746 of 25th April 1885.
			69	Constructing a bridge of 6 ft span in 6th furlong of 17th mile Gilla road	260	.	.	260		69	Do Do Mis: No 4011 of 2nd May 85
				Carried over	32,908						

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle.

Communications Original Works

Gangam Division

Head of classification	Executive Divisions	Locality	Item No.	Project and Works	Amount of Estimate	Outlay actual to end of 1884-85	Outlay Probable during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No.	Remarks and References.
				Parlakimidi Estate (contd)							
				Brought forward				32908			
			70	Improving the 8" and 9" miles of Gumma road so much as is completed via. Varanacy road to Munsingi village	2086	1088	200	795		70	Court of Wards Proceedings No 45 of 9" January 1884.
			71	Constructing river slope at Rugada	1037	664	-	373		71	Do No 2263 of 11" September 1882
			72	Raising and grading the Gosady road	1036	-	620	416		72	Do Mis: No 4983 of 6" June 1884.
			73	Constructing a bridge of 2 arches of 19½ ft span on Kimidi Kinchilingi road	322	127	-	195		73	Court of Wards Proceedings No 6863 of 24" July 1879 and Collectors No 560 of 7" February 1882.
				Total Communications Original Works					34687		

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle

Head of Classification	Executive Division	Locality	Item No.	Project and Works	amount of Estimate	Outlay actual Funds during 1884-85	Outlay Probable Funds during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No.	Remarks and References.
				Urlam Estate							
				Irrigation Original Works							
			74	Opening a new head to Mahagam channel and digging a channel in connection with it	9643	-	-	9643		74	Court of Wards Proceedings No 6688 dated 17th July 1884.
Irrigation Original Works	Gangaw Division	Urlam	75	Construction of a Lalingala across Dayyala katti	412	-	-	412		75	Do No 10463 of 8th November 84
			76	Construction of a small masonry wall along the bank of the Polaky channel to save the fields adjoining the channel from being cut up by the field drainage	216	-	-	216		76	Do Do
			77	Constructing an Escape Weir to Nidicalma	550	-	-	550		77	Do No 10129 of 27th October 1884.
							carried over	10,821			

Budget for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the Ic. Circle.

Head of classification	Executive Division	Locality	Item No	Project and Works	Amount of Estimate	Outlay: Actual Funds 1884-85	Outlay: Probable during 1885-86	Amount	Total	Item No	Remarks and References.
				Uskam Estate (contd)							
					Brought forward			10821			
Irrigation Original Works	Gangam Division		78	Lumpsum for unsanctioned Minor Works	"		-	1000		78	
					Total Irrigation Original Works				11821		
				Jarada Estate. Irrigation Original Works							
Irrigation Original Works	Gangam Division		79	Unsanctioned Minor Works	"		-	150		79	
									150		
				Rushikulya Division **Chinna Kimidi Estate** Buildings Original Works							
Buildings Original Works Rushikulya Division		Pudamari	80	Restoration of the compound mud wall with a tiled roof over it round the Mahadeva house	3820	127	-	3693		80	Courts Proceedings No 2141 96" March 1885.
		Pattapur	81	Constructing a thatched house	290	137	-	153		81	Do No 622 of 24. January 1884.
		Pratapagiri	81/1	Construction of Godicha Mutt of Srijagannadhaswamy	1431	-	-	1431		81/1	Do No 2263 of 11. September 1882.
			82	For unsanctioned minor works	-	-	-	1200		82	
					Total Buildings Original Works				6477		

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle.

Head of classification	Executive Division	Locality	Item No	Project and Works	Amount of Estimate	Outlay actual to end of 1884-85	Outlay Budget Provision during 1885-86	Grant for 1886-87 amount	Grant for 1886-87 Total	Item No	Remarks and References.
				Chinna Kimidi Estate (contd)							
				Irrigation Original Works							
			83	Construction of a dam across the Godahoola river and a Head sluice in connection with two anicuts	2450 530 2980	1593 430 2023	857 100 957			83	Court Proceedings No 3596 of 30-4-84.
Irrigation Original Works	Rowkikulya Division	Singipuram	84	Construction of a sluice to Benerta boudha	240	"	"	240		84	Do No 10463 of 8 November 1882.
			85	Do of a dividing dam across Gonia Nala to distribute water between Gudau & Siddeswaram Mudaho	2360	-	-	2360		85	Do No 1122 of 29-4-79. and No 1021 of 18-6-1881.
		Siddeswaram	86	Constructing a sluice & clearing silt to Davoola Boudja.	240	-	-	240		86	Do No 4768 of 21-5-1885
			87	For unsanctioned minor works	-	-	-	2490		87	
								Total Irrigation Original Works	6287		
				Vizagapatam Division							
				Nil.							
				Godavari Eastern Division							
				Nil.							
				Godavari Central Division							
				Kesanakurru Estate							
Do	Godavari Central Division			Irrigation Works Original							
			88	For unsanctioned minor Works	-	-	-	2420	2420	88	

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department on the Estates under the Court of Wards situated in the 1st Circle.

Head of classification	Executive Division	Locality	Item No.	Project and Works	Amount of Estimate	Outlay actual Funds during 1884-85	Outlay Probable Funds during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No.	Remarks and References.
				Godavari Western Division							
				Lakkavaram							
				Irrigation Original Works							
Irrigation Original Works	Godavari Western Division.	Guravaya -gudem.	89	Constructing Masonry dam across Jerra Calva	1600		728	872	872	89	This is the amount of revised Estimate which will be submitted shortly

Details of the Budget Estimate of Repairs of Works in the Court of Wards Estates for the year 1886-87

Classification	Divisions	Estates	Items	amount required for 1886-87	Total
Buildings	Ganjam	Parla Kimidi	Lump sum grant for Works already sanctioned & works proposed to be repaired estimates for which have not yet been sanctioned	1180	
	Rushikulya	Dharakotta	Works proposed to be undertaken estimates for which have not yet been sanctioned	960	
	Rushikulya Do	Bodagada	——— Do ———	500	
		Chinna Kimidi	——— Do. ———	150	
	Godavari Western	Lakka-varam.	Lump Sum grant for works already Sanctioned & works for which Estimates have not yet been sanctioned	3200	
			Total Buildings Repairs.		5990

Detail of the Budget Estimate of Repairs of Works in the Court of Wards Estates for the year 1886-87

Classification	Divisions	Estates	Items	amount required for 1886-87	Total
Irrigation	Ganjam	Parla Kimidi	Lump sum grant for which works already Sanctioned & works for which Estimates have not yet been sanctioned.	6500	
	Urlam		——— Do ———	2100	
	Rushikulya Ganjam	Dharakotta Jarada	Unforeseen Works ——— Works for which Estimates have not yet been Sanctioned	2000 850	
	Rushikulya	Bodoo-gooda	For unforeseen unsanctioned Works	1500	
		Chinna Kimidi	For works already Sanctioned & works for which Estimates have not yet been Sanctioned	6750	
	Godavari Central	Kesava Kurru Estate.	——— Do ———	10700	
	Do Western	Lakka-varam	——— Do ———	510	
			Total Irrigation Repairs		30910
Communi-cations	Ganjam	Parla Kimidi	Lump Sum grant for annual repairs -	8040	8040

Abstract

Classification	Divisions	Estates	Items.	amount required for 1886-87	Total
Buildings Original Works	Ganjam	Parlakimidi	Original Works Major & Minor	20168	
	Rushikulya	Chinna Kimidi	do	6477	26645.
Irrigation Original Works	Ganjam	Parla-kimidi	do	23453	
		Urlam	do	11.821	
		Jarada	do	150	
	Rushikulya	Chinna Kimidi	do	6287	
	Godavari Central	Kesana-kurru	do	2420	
	do Western	Lakkana-ram	do	872	
					45003
Communi-cations original Works	Ganjam	Parla-kimidi	do	34687	34687
			Total Original Works		106335
Buildings Repairs	Ganjam	Parla-kimidi	Repairs	1180	
	Rushi-kulya.	Dharkotta	do	960	
		Chinna Kimidi	do	150	
		Badoogoda	do	500	
	Godavari Western	Lakka-ram	do	3200	
					5990

Classification	Divisions	Estates	Items	amount required for 1886-87	Total.
Irrigation Repairs	Ganjam	Parla-kimidi	Repairs	6500	
		Urlam	do	2100	
		Jarada	do	850	
	Rushikulya	Dharakotta.	do	2000	
		Bodoo-gooda	do	1500	
		Chinna Kimidi	do	6750	
	Godavari Central	Kesana-kurru	do	10700	
	do Western	Lakka-ram	do	510	
					30,910
Communi-cations Repairs	Ganjam	Parla-kimidi	do	8040	8040
			Total Repairs		44,940
			Total of original Works & Repairs		151275

Abstract by Estates

Parlakimidi	Original Works	78308	
	Repairs	15720	94028
Urlam	Original Works	11821	
	Repairs	2100	13921
Jarada	Original Works	150	
	Repairs	850	1000
Chinnakimidi	Original Works	12764	
	Repairs	6900	19664
Dharkotta	Original Works	---	
	Repairs	2960	2960
Bodoogooda	Original Works	----	
	Repairs	2000	2000
Kesanakurru	Original Works	2420	
	Repairs	10700	13120
~~Sorrocciputam~~ Lakkavaram	Original Works	872	
Lakkavaram	Repairs	3710	4582
		Total	151275

Gorlacoburru
15th March/86

Geo Laing
Major RE
Ag. Superintending Engineer 1st circle

Budget Estimate for 1886-87 for works that are likely to be carried out by the Public Works Department in the Estates under the Court of Wards situated in the First Circle.

No. 5039-J

FROM,

THE SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DOWLAISHWARAM, 15th March 1886.

SIR,

I have the honor to submit the Budget Estimate for 1886-87 for works that are likely to be carried out by the P. W. Department on the Estates under the Court of Wards of the First Circle, called for in your Circular No. 18506 of the 4th November 1885.

I have the honor to be
Sir
Your most obed.t Servt.

Major R.E.
Actg Supdg Engr 1st Circle

37

Pw 35 yc. 27.1.86
G.O. Pw 265 W. 28.10.84
Pw 1850c. 14. 11-85.

FROM,

THE SUPERINTENDING ENGINEER

FIRST CIRCLE.

(5)

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DATED 15th
DESPATCHED 15th March 1886
RECEIVED

No. 503 G.L

ENCLOSURES. One

Budget estimate for 1886-87 for works under Court of Wards.

I submits the—

B

6.2.6-86

Budget-Estimate of works proposed to be carried out by the C. W. Department in the estates under the Court of Wards during the year 1886-87 (Fasli 1296)

Executive Division	Name of Estate	Item No:	Projects	Amount of estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks and Reference
			Buildings, Original Works							
Ganjam	Parlakimedi	1	Constructing buildings at Linery for the accommodation of the Zemindar	8589	4061	700	3828		1	Court of Wards Proceedings No: 2283 dy 11th Sept. 1884.
		2	Improvements to buildings at Mokhalingam	9146	3195	1000	4951		2	—— Do —— Do
		3	Palace Stables at Kimedi	10,750	3862	5000	1888		3	Do- No: 175 a/2nd Jany/18
		4	Bullocksheds at —— Do ——	2924	"	500	2424		4	Do- Mis No: 2101 d/6th March
		5	Rajah's choultry compound wall with gate and railings at -Do-	4592	1216	700	2676		5	Do- Mis No: 918 d/23rd April
		6	Elephant sheds at —— Do —	1536	"	500	1036		6	Do- Do- No: 2101 d/6th March
		7	Lascars houses and rent plank houses at Battisirupuram Ancient	1105	"	100	1005		7	Do No: 5833 a/15th Nov. 18
		8	Improvements and repairs to the minor zemindar's school at Kimedi	1570	"	1306	264		8	Collector's No: 3660 d/1st Octo
		9	Erecting out buildings at Ramalingeswaraswamy's temple, also a Dwajastambam at Ramasagaram	1,765	1644	"	121		9	Court of Wards Proceedi No: 45 d/9th January 188
								18,193		

Budget Estimate of works proposed to be carried out by the P. W. Department in estates under the Court of Wards during the year 1886-87 (Fasli 1296)

Executive Division	Name of Estate	Item No:	Projects	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1886-87	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks & References.
			Buildings Original Works (Cont)				18,193.			
Ganjam	Parlakimedi	10	Constructing a rest house at Tenlow	565	"	"	565		10	Court of Wards Proceedings No: 5591 d/ 20th June 1884.
		11	Constructing cheetahs' cages to be placed in the palace compound at Parlakimedi	1410	"	"	1410		11	Collectors No: 511 d/ 29th Septr 85
								20,168		
Rushikulya	Chinna Kimedi	12	Restoration of the compound wall (with a tiled roof over it) round the Mahademis house at Pudamari	3,820	127	"	3,693		12	Courts Proc: No: 2141 d/ 8-3-85
		13	Constructing a thatched house at Pattipur	290	137	"	153		13	Do No: 622 d/ 24-1-84
		14	Construction of Gudicha Mutt of Srijagannadhaswamy at Pratapagiri	1431	"	"	1431		14	Do No: 2263 d/ 11-9-82
		15	For unsanctioned minor works	"	"	"	1200		15	
								6,477		
Ramnad	Ramnad	16	Sirs buildings	"	"	"	1,000		16	
		17	Constructing an office for the Superintendent of Devastanam at Ramnad	4,080	"	2,080	2,000		17	Courts Proceedings No: 45 d/ 9-1-84
		18	Constructing a Chuttram at Pogalur	10,360	"	3,000	7,000		18	Do No: 2865 d/ 1st April 1854.
								10,000		
			Total Buildings	"	"	"	"	36,645		

Budget Estimate of works proposed to be carried out by the P. W. Department in the estates under the Court of Wards during the year 1884-85 (Fasli 1294).

Executive Division	Name of Estate	Item No.	Projects	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1884-85: Amount	Grant for 1884-85: Total	Item No.	Remarks & References.
			Communications, Original Work					36,645		
Ganjam	Parlakimedi	19	Road from Copalada to the foot of the Gerangi ghât	13,647	9094	110	2,000		19	Court of Wards Ros: Nos: 139 & 1170 d/ 3rd May & 16th October 1883.
"	"	20	Ghât road up to Gumma pass	25,400	7,466	100	2,100		20	Do - No: 4380 d/ 19-9-77 & No: 3255 d/ 12-11-77.
		21	Improving road from Copalada to Kinchilingi, 13 miles	8,390	1076	"	3,000		21	Do - 2263 d/ 11-9-1882
		22	Improving road from Chopara to Gopsili via Garabanda	6,838	2,716	300	3822		22	Do — No: 45 d/ 9-1-84.
		23	Improving Goosady road 5½ miles	5119	1698	600	2821		23	Do — Do —
		24	Improving road from Parlakimedi to Parapuram, 4 to 9 miles	4364	94	1,000	3,270		24	Do - No: 5838 d/ 15-11-84.
		25	Improving Soontala road 7 miles.	4,695	"	600	4095		25	— Do — Do —
		26	Improving Palem and Tenliore road	7,100	"	500	6600		26	— Do — Do —
		27	Improving first 3 miles of Parlakimedi Parapuram road.	3595	1698	500	1397		27	Do - No: 45 d/ 9 Jany/84.
							29,105	36,645		

Budget Estimate of works proposed to be carried out by the P. W. Department in the Estates under the Court of Wards during the year 1886-87 (Fasli 1296)

Executive Division	Name of Estate	Item No:	Projects	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks & References.
Ganjam	Parlakimedi	28	Communications, Original Works—(Cont.) Raising and grading the road from Pattipuram to Gopsili via Sarabanda from 7 furlongs of 8 miles to junction on 4 furlong of 2 miles at Gopsili	2511	286	100	2,125	36,645	28	Court of Wards Proc: Mis: No: 4983 d/6 June 1884.
		29	Constructing Mahandra Jariah river approach at Lingipuram on Gosady road	400	"	318	90		29	Do- No: 5833 d/15 Nov: 1884.
		30	Constructing a Mahandra Jariah river approach on Borragam north bank	400	"	"	400		30	Do Do
		31	Constructing a bridge of 3 spans in lieu of old platform of 12 feet span in 1st furlong of 9th mile of Palem and Jemlore road in Parlakimedi Estate	~~375~~	31	200	364		31	Do- No: 1645 d/25-2-85
		32	Constructing a new bridge over the supply Gedda to Jemlore Asuredo Tank in 1st furlong of 12th mile Palem Jemlore road	325	"	"	325		32	Do- Mis: No: 1601 d/20-2-85
		33	Building blocking courses and parapets and adding two drops and aprons to 3 arch bridge in 6th furlong of 16th mile Gelia road	439	"	200	239		33	Do- Do- Mis No: 3746 d/23-4-85
							32,648	36645		

Budget Estimate of works proposed to be carried out during the year 1886-87 by the P.W. Department in the Estates under the Court of Wards (Fasli 1296).

Executive Division	Name of Estate	Item No:	Projects	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks & References.
			Communications Original Works				32,648	36,645		
Ganjam	Parlakimedi	34	Constructing a bridge of 6 feet span in 6th furlong of 17th mile Gilla road	260	"	"	260		34	Court of Wards Prov: Mis: No: 1401 d/2-5-85
		35	Improving the 8 & 9 miles of Gumma road so much as is completed from Varanacy road to Mumsingi village	2086	1088	200	795		35	Do. No: 45 d/9-1-84.
		36	Constructing river slopes at Rigada	1037	864	"	373		36	Do. 2263 d/11-9-82.
		37	Raising and grading the Gumma road	1036	"	620	416		37	Do. Mis. No: 4983 d/6-6-84.
		38	Constructing a bridge of two arches of 19½ feet span on Kimedi Kinchilingi road.	322	127	"	195		38	Court of Wards Prov: No: 6863 d/ 24-7-79 & Collectors No: 580 d/ 7-2-82
			Total Communications					34,687		
			Irrigation, Original Works							
Ganjam	Parlakimedi	39	Improvements and alterations to the Kistna Sagaram High level channel.	7,177	1182	200	5,815		39	Court of Wards Prov: No: 4849 d/-85
		40	Rampore Radhasagaram Project	7,043	769	500	5,774		40	Do - No: 5833 a/15-11-84
		41	Rangasagaram East high level channel	6,889	2,292	"	4,597		41	—— Do —— Do ——
							16,186	71,332		

Budget Estimate of works proposed to be carried out during the year 1886-87 by the P. W. Department ~~&c.~~ in the estates under the Court of Wards (Fasli 12-96)

Executive Division	Name of Estate	Item No:	Projects and Works	Amount of Restimate	Outlay Actual to end of 1884-85	Outlay Probable during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No:	Remarks & References.
			Irrigation Original Works				16,186	71,332		
Gajapati	Parlakimedi	42	Constructing a surplus weir to Vara tank at Sarunakota	204	26	"	178		42	Court of Wards Proc. No: 58334 15-11-84
		43	Constructing a surplus weir to Peddamady Dasarathee tank	347	"	"	347		43	Do Do
		44	Constructing sluice with lock up iron gear to Silasagaram at Kimedi	1180	"	"	300		44	Do Do
		45	Constructing a surplus weir to Arli Bapanna tank	158	"	"	158		45	Do Do
		46	Constructing a surplus weir to Vorra tank at Soogada	158	"	"	158		46	Do Do
		47	Constructing a surplus weir to Kristna Polvor Ralla tank at Soogada	158	"	"	158		47	Do Do
		48	Constructing a surplus weir to Dasapunam tank at Soogada	158	"	"	158		48	Do Do
		49	Constructing a surplus weir to Narendra tank at ~~Soogada~~ Alladapetta	158	"	58	100		49	Do Do
		50	Constructing a surplus weir to Bhoopaty Lakshmipuram tank at Alladapetta	158	"	58	100		50	Do Do
							17,843	71,332		

Budget Estimate of Works proposed to be carried out by the P.W. Department in the Estates under the Court of Wards during the year 1886-87 (Fasle 1296)

Executive Division	Name of Estate	Item No:	Projects	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks & References
			Irrigation, Original Works-				17,843	71,332		
Gajapam	Parlakimedi	51	Constructing a surplus weir to Losiripuram Narady tank at Alladapitta	158	"	"	158		51	Court of Wards Proc: No: 5833 d/ 15-11-84.
		52	Constructing a surplus weir to Gathi Lova tank at Bugada	158	"	"	158		52	Do Do
		53	Constructing a surplus weir to Voora tank at Gundarada	158	"	"	158		53	Do Do
		54	Constructing a surplus weir to Tidding Dharmasagaram tank at Gundarada	1430	"	500	930		54	Do Do
		55	Constructing a sluice to Pedda tank at Togiri	152	"	"	152		55	Do Do
		56	Constructing a sluice to Somapayi tank at Temlore	152	"	"	152		56	Do Do
		57	Constructing a sluice to Arli Bapana tank at Temlore	152	"	"	152		57	Do Do
		58	Constructing a sluice to Bhoopaty Lakshmipuram Nalla tank at Temlore	152	"	52	100		58	Do Do
							19803	71,332		

Budget Estimate of works proposed to be carried out by the P. W. Department in the estates under the Court of Wards during the year 1886-87 (Fasli 1296)

Executive Division	Name of Estate	Item No:	Project	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks and References
			Irrigation, Original Works				19,803	71,332		
Gajapam	Parlakimedi	59	Constructing a sluice to Loharigola Voor a tank at Tenlow	152	"	"	152		59	Court of Wards Proc. No: 5833 d/15-11-86
		60	Constructing a sluice to Narendra tank at Alladepetta	141	"	80	61		60	do do
		61	Constructing a sluice to Rankinghelintala tank at Alladapetta	141	"	"	141		61	do do
		62	Constructing a sluice to Satiramy tank at Parapuram	141	"	"	141		62	do do
		63	Constructing a sluice to Gajapatisagaram at Sarumukota	123	"	"	123		63	do do
		64	Constructing a sluice to Kodduru kota tank at Sarumukota	123	"	"	123		64	do do
		65	Constructing a sluice to Chinnasamayekra tank at Sarumukota	123	"	"	123		65	do do
		66	Constructing a sluice to Bhadri Ramasagaram at Sarumukota	123	"	"	123		66	do do
							20790	71,332		

Budget Estimate of works proposed to be carried out by the P. W. Department in the estates under the Court of Wards during the year 1888-87 (Fasli 1296)

Executive Division	Name of Estate	Item No:	Projects	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks & References
			Irrigation, Original Works				20,790	71,332		
Ganjam	Parlakimedi	67	Constructing a sluice to Dharmasagaram at Koddoor	111	"	"	111		67	Court of Wards Roc. No: 5833 d/15-11-84
		68	Constructing a sluice to Amalingi tank, Tarurukota Mutah at Koddoor	111	"	"	111		68	Do Do
		69	Constructing a sluice to Rayee tank at Kanturada	111	34	"	77		69	Do Do
		70	Constructing a sluice to Chaparayi tank at Londarada	111	"	"	111		70	Do Do
		71	Constructing a sluice to Dasu nayadu tank at Kommusariapally	111	"	"	111		71	Do Do
		72	Constructing a sluice to Kotta tank at Kommanapalli	89	"	"	89		72	Do Do
		73	Constructing a sluice to Podding Pedda tank at Kommanapalli	89	"	"	89		73	Do Do
		74	Constructing a sluice to Voora tank at Nowtala	89	"	"	89		74	Do Do
							21,578	71,332		

Budget Estimate of works proposed to be carried out by the P.W. Department in the estates under the Court of Wards during the year 1886-87 (Fasli 1296).

Executive Division	Name of Estate	Item No.	Projects	Amount of estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No.	Remarks & References.
			Irrigation, Original Works.				21,578	71,332		
Ganjam	Parlakimedi	75	Constructing a sluice to Chintala tank at Parapuram	59	"	"	59		75	Court of Wards Proc: No: 5833 dy 15-11-84
		76	Constructing a sluice to Gonabhadra-pata tank at Parapuram	59	"	"	59		76	do do
		77	Alterations to Nivagam's river head sluice at Parapuram	170	"	"	170		77	Principal Assistant Collector's No: 15 d/8th January 1885.
		78	Improvements to the Marripadu Gedda Calingula at Parapuram	1576	92	"	1484		78	Revenue Board's 11th Febry 1885
		79	Constructing a sluice to Chinna Lasapuram tank at Parapuram	75	"	"	75		79	Court of Wards Proc: No: 4554 d/7-1-84
		80	Lengthening a Calingula and sluice to Linmalapadu Tank at Parapuram.	950	922	"	28		80	Do No: 578 d/ 16-1-78.
								23,453		
Do	Urlam	81	Opening a new head to Mahagam channel and digging a channel in connection with it.	9643	"	"	9643		81	Court of Wards Proc: No: 6688 d/17-7-84.
		82	Construction of a calingula across Dayyala batti at Urlam	412	"	"	412		82	Do No: 10463 d/8-11-84
								10055		

Budget Estimate of works proposed to be carried out during the year 1886-87 by the P. W. Department in the estates under the Board of Wards (Fasli 1296)

Executive Division	Name of Estate	Item No:	Project	Amount of Estimate	Outlay: Actual to end of 1884-85	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No:	Remarks & References.
			Irrigations Original Works				10,055	71,332		
Ganjam	Urlam	83	Construction of a small masonry wall along the bank of the Polaky channel to save the field adjoining the channel from being cut up by the field drainage	216	"	"	216		83	Court of Wards Proc: No: 1463 d/ 8-11-84
		84	Constructing an escape weir to Usilicalina	550	"	"	550		84	Do. No: 1012 9 d/27-10-84
		85	Lump sum for unsanctioned minor works	"	"	"	1000		85	
								11,821		
Do	Jarada	86	Unsanctioned minor works	"	"	"	150		86	
								150.		
Rushikulya	Chinna Kimedi	87	Constructions of a dam across the Godahoola river and a head sluice in connection with the anicuts.	2,980	2,023	"	957		87	Court Proc: No: 3596 d/ 30-4-85
		88	Construction of a sluice to Beuerta houdho at Lingipuram	240	"	"	240		88	Do No: 1046 3 d/ 8-11-82.
		89	Construction of a dividing dam across Jovio Nala to distribute water between Gudam and Siddeswaram Mutaho	2360	"	"	2,360		89	Do No: 122 d/ 29-4-79 & 1021 d/ 18-6-81.
							3,557	71,332		

Budget Estimate of works proposed to be carried out by the P. W. Department in the estates under the Court of Wards during the year 1886-87 (Fasli 1296)

Executive Division	Name of Estate	Item No:	Project	Amount of Estimate	Outlay Actual to end of 1884-85	Outlay Probable during 1885-86	Grant for 1886-87 Amount	Grant for 1886-87 Total	Item No:	Remarks & References
							3,557	71,332		
			Irrigation Original Works							
Rushikulya	Chinna Kimedi	90	Constructing a sluice and clearing silt to Davoola Bonda at Siddeswaram	240	"	"	240		90	Court's Proc: No: 476 dated 5-85
		91	For unsanctioned minor works	"	"	"	2,490		91	
								6,287		
Godavari Central	Kesavakarru Estate	92	For unsanctioned minor works	"	"	"	2,420		92	(a) not necessary as the estate has been handed over to the proprietors - Vide C no 9565
								2,420		
Godavari Western	Lakkavaram Guravayagudem	93	Constructing a masonry dam across Jerra Leda at Guravaya-gudem	1600 x	"	728	872		93	x Amount of revised estimate to be submitted shortly
								872		
Coimbatore	Erumaipatti	94	Raising the bund of Erumai-patti Tank	500	"	"	500		94	
								500		

Budget Estimate of works proposed to be carried out by the P.W. Department in the estates under the Court of Wards during the year 1886-87

(Table 12 96)

Executive Division	Name of Estate	Item No.	Projects	Amount of Estimate	Outlay: Actual to end of 1885-86	Outlay: Probable during 1885-86	Grant for 1886-87: Amount	Grant for 1886-87: Total	Item No.	Remarks & References
			Irrigation							
			Original Works							
Ramnad	Ramnad	95	Irrigation projects as per details already submitted by the Chief Engineer for Irrigation				100,000	1,00,000	95	
			Total, Irrigation					1,45,503		
			Total Original Works					2,16,835		
								71,332		

Executive Division	Name of Estate	Item No:	Projects	Amount	Total	Item No:	Remarks.
			Buildings, Repairs				
Ganjam	Parlakimedi	96	Lump sum grant for works already sanctioned and works proposed to be repaired estimates for which have not yet been sanctioned	1180	1180	96	
Rushikulya	Dharakotta	97	Works proposed to be undertaken, estimates for which have not yet been sanctioned.	960	960	97	
Do	Bodoogooda	98	Do Do Do	500	500	98	
Do	Chinna Kimedi	99	Do Do Do	150	150	99	
Godavari Western	Lakkavaram	100	Lump sum grant for works already sanctioned and works for which estimates have not yet been sanctioned	3,200	3,200	100	
Ramnad	Ramnad	101	New (The funds or revenue proper of the estate)				
			Annual repairs	1500			
			Special repairs	2,000			
						101	
				3,500	5,990		

Executive Division	Name of Estate	Item No:	Projects	Amount	Total	Item No:	Remarks
			Buildings Repairs	3,500	5,990		
Ramnad	Ramnad	102	Devastanam (Temple endowment funds) Annual repairs Special repairs	4,000		102	
		103	Chattram (Charitable Endowment funds) Annual repairs Special repairs	2,500		103	
					10,000		
			Total Buildings		15,990		
			Communications Repairs				
Ganjam	Parlakimedi	104	Lump sum grant for annual repairs	8,040	8,040	104	
			Total Communications		8,040		
			Irrigation Repairs				
Ganjam	Parlakimedi	105	Lump sum grant for works already sanctioned and works for which estimates have not yet been sanctioned	6,500	6,500	105	

Executive Division	Name of Estate	Item No:	Projects	Amount	Total	Item No:	Remarks.
			Irrigation Repairs		6,500		
Ganjam	Urlam	106	Lump sum grant for works already sanctioned and works for which estimates have not yet been sanctioned	2,100	2,100	106	
Do	Jarada	107	Works for which estimates have not yet been sanctioned	850	850	107	
Rushikulya	Dharakotta	108	Unforeseen works	2,000	2,000	108	
Do	Bodoogoroda	109	Do	1500	1500	109	
Do	Chinna Kimedi	110	For works already sanctioned and works for which estimates have not yet been sanctioned	6,750	6,750	110	
Godavari Central	Kesava Kurru	111	—— Do —— Do —— Do	10,700	10,700	111	
Godavari Western	Lakkavaram	112	—— Do —— Do —— Do	510	510	112	
			Total Irrigation		30,910		
			Total Repairs		54,940		

Abstract of the amounts required during 1886-87 (Fasli 1296) in the Estates under

Executive Division	Name of Estate	Original Works			Repairs				Grand Total
		Buildings	Communications	Irrigation	Total	Buildings	Communications	Irrigation	Total
Ganjam	Parlakimedi	20,188	34,687	23,453	78,308	1180	8040	6,500	15,720
Do	Urlam	"	"	11,821	11,821	"	"	2,100	2,100
Do	Jarada	"	"	150	150	"	"	850	850
Rushikulya	Chinna Kimedi	6,477	"	6,287	12,764	150	"	6,750	6,900
Do	Dharakotta	"	"	"	"	960	"	2,000	2,960
Do	Bodoogooda	"	"	"	"	500	"	1,500	2,000
Godavari Central	Kesavaram Kurru	"	"	2,420	2,420	"	"	10,700	10,700
Godavari Western	Lakkavaram	"	"	872	872	3200 3195	"	510	3,710
Coimbatore	Erumaipatti	"	"	500	500	"	"	"	"
Ramnad	Ramnad	10,000	"	1,00,000	1,10,000	10,000	"	"	10,000
Total		36,645	34,687	1,45,503	2,16,835	15,990	8,040	30,910	54,940

works proposed to be carried out by the P.W. Department the Court of Wards.

Grand Total	
94,028	tement,
13,921	estimates
1,000	g Engi-
	d to
19,664	Depart-
2,960	ded to
2,000	, the
	request
13,120	w of
	margin,
4,582	t of
500	wing
1,20,000	
2,71,775	

(5)

2.6.86.

No 2107 C.W. 7-6-86

Memorandum.

The accompanying statement, compiled from the budget estimates received from Superintending Engineers for Estate works proposed to be carried out by the P.W. Department during 1886-87, is forwarded to the Court of Wards through the Revenue Department, with request that the necessary provision of funds, as detailed in the margin, may be made in the Court of Wards Budget for the ensuing Fasli 1296.

2/6/86

× Works & Repairs — Rs 2,71,775	
Cost of P.W. supervision at 23 per cent on the above sum —	62,508
Total Rs. 3,34,283.	

To The Revenue Department.

Sd/- 1/6/86 WL
5-6-86

W. 1/6

Fasli

No 1850 cdf 14-11-85
- 357 C - 27-1-86
G.O.A - 2659 W - 28-10-84

Office of the Superintending Engineer,

6th Circle.

Kodumpally 8th January 1887.

No. 526. dated. D/102

From Major A. B. Smith R.E.
No. Superintending Engineer,
6th Circle.

To
The Chief Engineer
P.W.D.

Sir,

Enclosure.

With reference to G.O. Nos. 3376 W and 3378 W dated 22nd December 1886, communicating the sanction of the Board of Wards to the Estimates for works in the Saptur and Gundamanaikanur Estate, I have the honor to observe that this Department is not entrusted with the execution of the works in those Estates. I request therefore that you will be good enough to let me know whether the orders have been

A.P. 16/6.
A. 2. 6. 86

been sent to me for record in my office.

2. I see no advantage in communicating the several donations appertaining to the above Estates with which I have no connection whatever.

I have the honor to be Sir

Your most Obt. Servant.

Aldrich Major R.E.

Superintending Engineer 6th

3370 & 22-12-86.
3370 & 22-12-86.

Communicated to the Revenue Dept with reference to endorsements from that dept No. 7585 & 7600 dated 15th & 16 Dec. 1886, with request that copies of such orders only as relate to works to be carried out by the P.W. dept may be furnished to this department.

(illegible)
12-1-87

Jan 13/1887.

Rev. Dept's
S.E. VI circle's
Despt 14-1-87

1887.

P. W. DEPARTMENT.

Current No. 285

From The Revenue Dept.

Enclos.— 1

No. 60 Mis
Dated 8 January 1887
Received 17

Subject.

Forwarding Estimate for sanctioning Estimate for Rs 990 for repairing the old flood bank around the Vadhivari Kadari Lanka in Kapileswarapuram Estate Godavari Dt.

Disposal.

No. Dated

Returned back to the Revenue Dept, with advertence to G.O. No. 109 dated 13 January 1887, for favour of information whether the work is to be carried out by the P.W. Dept.

(Sgd) W.C. Bardsley
Capt RE
Khandesh Executive Engr

Revenue Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following Endorsement of P.W. Department, dated 22nd January 1887, No. 238 C. on Proceedings of Court of Wards, dated 22nd December 1886, No. 1690 sanctioning the estimate for Rs. 990 for repairing the old flood bank around the Vadhivari Kadari Lanka in Kapileswarapuram estate, Godavari District.

Referred back to the Revenue Dept with advertence to G.O. No. 109 P.W. dated 13th January 1887, for favour of information whether the work is to be carried out by the P.W. Department.

Order thereon, 28th January 1887, No. 598.

Forwarded in continuation of G.O. No. 595 dated 28th January 1887, to the Court of Wards who will furnish the information asked by the P.W.D.

(True Extract)
Gebruikes
Ag. Secretary to Govt

Court of Wards
No. 1690

2104 C 9.6.86.
109 & 13.1.87.
38 C 22.1.87

P.W.C. 1856

R. 4.2.87

Recorded, pending receipt of further report from the Court of Wards.

Lucas
5.2.87

Jolu
5/2/87.

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read G.O. of the Public Works Department, dated 13th January 1887, No 109 W. requesting that copies of the Order only as relate to Estate Works to be carried out by the Public Works department may be furnished to them.

Order thereon, 28th January 1887, No 595.

Communicated to the Court of Wards for information and guidance.

2. The Court will state if they had any particular reasons for communicating to Government in the Public Works department their Proceedings under reference, Viz. Nos 1590 and 1894. dated 11th and 13th December 1886 respectively.

(True extract,)

Redmichies
Secretary to Government.

To
The Public Works department.

325-44 5-2-87
238 C 22-1-87
109-44 13-1-87.
2404 Cg. 1-86.
357 C 27-1-87

Recorded.

WCR
9.2.87

J.M.
9/2/87.

COURT OF WARDS OFFICE
MADRAS.

Proceedings of the Court of Wards.

Dated 22 February 1887.

No. 214.

READ Proceedings of the Madras Govt. dt 28 January 1887. No 595.

Resolution

Recorded.

2. The Proceedings will not be communicated in future, they were sent only for information.

(True extract)

Asst Secy

Ag. Sub Secy.

To

The P. W. Department,
Through the Secy to
Govt of M. D.

ABSTRACT.

109 — 13.1.87.
2-38 C 22.1.87.
825 — 5.2.87
419 — 10.2.87.

(1887.)

REVENUE DEPARTMENT.

No. 1553

Endorsement No. 1600

Forwarded to the Public Works Department with reference to order in that Department dated 13th January last No. 109

(By order)

[illegible]
Under Secretary to Govt

Fort St. George
8th March 1887

From

The Court of Wards

To

The Public Works Department

Dated 22nd February
Received 25th February } 1887

Enclosures

No. 214

SUBJECT.

Recording with remark, Proceedings of the Madras Govt. Revenue Department communicating with remarks G. O. P. W. D. requesting that copies of such orders as relate to estate works to be carried out by the P. W. D. may be furnished

Recorded.

Recorded

Jolu
14/3/87.

B5