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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	1499	(W) Press
B.P. No.		Mis.
Dated	16-6-	1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
16th June 1876.*

No. 273. Read the following Proceedings of the Court of Wards, dated 26th May 1876, No. 1,379:—

Read the following letter from R. DAVIDSON, Esq., Acting Collector of Ganjam, to C. A. GALTON, Esq., Acting Secretary to the Court of Wards, dated Aska, 29th March 1876, S. No. 375:—

I HAVE the honor to submit the Public Works Budget of the Purla Kimedy Estate for the official year 1876-77, prepared in the revised form received with the Court's Proceedings, dated 18th December last, No. 3,372.

2. The budget was originally drawn up by the District Engineer in the mode prescribed for Government Public Works, and forwarded with his letter, dated 10th November 1875, No. 209, to the Principal Assistant Collector for remarks and for transmission to me. I received it from the Principal Assistant Collector on the 24th January last, but had to return it to the District Engineer for revision in accordance with the Court's Proceedings quoted above. I received the revised budget on the 9th ultimo, but had to call for further information as there were still several omissions. I have not yet received the required information.

3. The Maliah roads to be executed by other agency and several sanctioned works having been either entirely omitted or insufficiently provided for in the next year's revised budget as received from the District Engineer, I have supplied the omissions and explained them in the statements to which they appertain.

4. The total amount budgetted for all works during 1876-77 is Rupees 93,792 against Rupees 89,617 in 1875-76.

5. The new palace which is being constructed under the superintendence of the Consulting Architect to Government and Ramalingeswara's temple, which will be constructed under the supervision of the Principal Assistant Collector, are omitted in this budget, with a view to their being provided for in the financial budget of the estate for the current fasli year as required in paragraph 2 of the Court's Proceedings, No. 1,009, dated 23rd April 1875.

6. The various items budgetted for have been explained in the remark columns of the budget statements.

7. Copy of the District Engineer's letter, dated 10th November 1875, No. 209, and the different plans and estimates alluded to in the budget remarks, are herewith forwarded for the sanction of the Court of Wards.

ENCLOSURE No. 1.

From Major H. SMALLEY, R.E., Officiating District Engineer, Ganjam, to the Principal Assistant Collector of Ganjam, dated Rumbah, 10th November 1875, No. 209.

AGREEABLY to Proceedings of Court of Wards, dated 23rd April 1875, No. 1,009, I have the honor to forward through you the budget for the Public Works in the Kimedy Estate for the official year 1876-77 for submission to the Collector with your remark.

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* Revised Budget has been prepared in accordance with the Court's Proceedings, No. 3,372, dated 18th December 1875.

(Signed) R. DAVIDSON,
Acting Collector.

† Ought to be Rupees 500, vide Court's Proceedings, No. 3,372, dated 23rd October 1875.

(Signed) R. DAVIDSON,
Acting Collector.

‡ A list has since been received.

(Signed) R. DAVIDSON,
Acting Collector.

3. Your No. 253, dated the 25th September 1875, to the Collector has been communicated to me on the 13th ultimo, and regarding the works in Kimeddy therein mentioned the Kistnasagaram high level channel estimate is inserted in this budget. The Ramasagaram high level

§ Yes.

(Signed) R. DAVIDSON,
Acting Collector.

channel (by which it is supposed is meant the extension of the Battisiripuram anicut channel on the south), the formation of a channel from the Battisiripuram anicut on the north, and a channel from the Vamsadhara river, are computed by the Sub-divisional Officer to require the services of a Surveyor's party for two, two, and four months respectively to take the necessary levels. The Range Officer has been instructed to entertain three parties from the allotment made this year and commence the surveys forthwith.

4. CIVIL BUILDINGS, ORIGINAL WORKS.—The only work entered is construction of a Racket Court at Kimeddy. Rupees 2,000 have been allowed to complete this work as far as the original estimate provided, but a revised estimate is being prepared by the Range Officer.

CIVIL BUILDINGS, MINOR NEW WORKS.—A provision of Rupees 1,000 has been made to meet any demands for small buildings or additions to existing buildings during the year.

5. CIVIL BUILDINGS, REPAIRS.—Rupees 1,500 have been provided for the upkeep of all the buildings belonging to the estate comprising—

- (1.) Tutor's House.
- (2.) Police Assistant Superintendent's Bungalow.
- (3.) Manager's Office.
- (4.) Forest Overseer's Office.
- (5.) Collector's Circuit Office and Bungalow.
- (6.) Public Works Sub-divisional Office.

¶ The old palace of the Zemindar has been pulled down. The houses built for the temporary residence of the Zemindar have just been completed, and they probably require no repairs. Funds have been provided for the repair of the Zemindar's out-houses.

(Signed) R. DAVIDSON,
Acting Collector.

¶ According to the revised budget the provision is raised to Rupees 31,414.

(Signed) R. DAVIDSON,
Acting Collector.

For the latter a revised plan and estimate will be submitted in a day or two; for the former a revised plan and estimate have been called for from the Range Officer, and will be sent hereafter. It will be observed there has been expenditure on these works in consequence of a mistake made in reading the telegram, dated 29th December 1874, from the Court of Wards to the Collector, authorizing the commencement of certain works. It was thought by the Sub-divisional Officer

** The present estimate has been so framed as to utilize the foundations raised with the Rupees 921-15-5 already spent.

(Signed) R. DAVIDSON,
Acting Collector.

2. The budget* has been drawn up in the mode prescribed for Governmental Public Works. Lists of works above Rupees 200† have not been drawn up in the cases of Repairs and Minor New Works, and indeed I do not see that it is possible to draw up such lists so long beforehand with any accuracy. There is no such rule observed in budgets for Governmental Public Works. However, the Range Officer has been requested to make out such lists approximately, and they will be forwarded‡ when received from him.

6. Any repairs¶ required to the palace would, I suppose, be special.

7. Under Irrigation, Original Works, Rupees 18,600¶ have been entered.

(1.) Construction of Koramagadda weir, Rupees 2,880.

(2.) Pedda Zamba tank restoration, approximate Rupees 2,000.

that the members given in the telegram referred to these works, and he commenced them at once and expended Rupees 921-15-5**

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* The Pedda Zamba tank has since been given up as a useless work.

(Signed) R. DAVIDSON,
Acting Collector.

Plans and estimates for the Kistnasagaram improvements, Nagericattacum under-tunnel, Addubangi Culvagedda weir, and Kimigam Gedda Project are now forwarded for sanction.

† As the estimates have not been sanctioned as yet, these sums cannot be utilized this year.

(Signed) R. DAVIDSON,
Acting Collector.

and Rupees 301-1-9* on them respectively before they could be stopped; though directly the sanctioned budget (where these two works did not appear) was received it was communicated to the Range Officer.

Provision for the three first has been made in the budget for 1875-76 to the amount of Rupees 3,000,† 1,000, and 1,000, respectively, which will be utilized as soon as the estimates are sanctioned.

For Minor New Works‡ Rupees 4,500 have been allowed, Rupees 1,500 for each irrigation division of the estate, eastern, central, and western, or the Mahandratanaaya, Tembur, &c., and the Vamsadhara divisions. The Range Officer has asked for Rs. 7,000 for Minor New

§ Detailed list of these works has since been received, and necessary particulars are given in the Budget.

(Signed) R. DAVIDSON,
Acting Collector.

Works; but, considering the amount of Major New Works, I think Rupees 4,500 will be quite as much as is likely to be spent effectively under this head.

8. AGRICULTURAL REPAIRS.—Rupees 12,000§ have been entered under this head to allow of the proper repairs and maintenance of the works under which 60,000 acres of land are irrigated. The Chief Engineer for Irrigation

¶ This sum has accordingly been entered in the Budget.

(Signed) R. DAVIDSON,
Acting Collector.

has recorded that 4 Annas per acre is a very reasonable sum for annual repairs and maintenance of such works. In that he includes Conservancy Establishment and a share of General Superintendence, for which in the case of Kimeddy, if Rupees 3,000 be deducted, there remains Rs. 12,000 for works.

9. COMMUNICATIONS, NEW WORKS.—Under this head has been allowed for the completion of the road to the foot of the Jerangi Ghaut Rupees 3,000, the balance of the original estimate; but the Sub-divisional Officer is engaged in framing an estimate for an alternative line from the Battisiripuram anicut to meet the Kimeddy Road at Ooppalada.

Surveys for the ghaut road to Goomma will be put in hand at once. Rupees 5,000 have been allowed for commencing work when sanctioned.

¶ The particulars of these works have since been given.

(Signed) R. DAVIDSON,
Acting Collector.

Rupees 1,000 have been allowed for such minor culverts¶ U. M. as may from time to time be found necessary on existing lines.

10. COMMUNICATIONS, REPAIRS.—Rupees 100 have been allowed for the two following, viz.:—
(1.) Road to foot of Goomma Ghaut.
(2.) First seven miles of road from Kimeddy to Kinchilingi.

These rates have been adopted in the Budget.

(Signed) R. DAVIDSON,
Acting Collector.

I do not consider these can be kept up properly for less. For all the other roads Rupees 55 per mile has been allowed, Rupees 50 per mile for work and Rupees 5 for superintendence, except for that from Kanduva to Baslea, for which Rupees 80 a mile has been allowed according to the suggestions made by you in your letter to the Collector, printed in Proceedings, Court of Wards, No. 2,801, dated 6th October 1875.

Under the circumstances explained in the footnote to the Budget Abstract, Rupees 2,000 have been provided under Reserve.

(Signed) R. DAVIDSON,
Acting Collector.

11. Reserve should, I think, be fixed at a higher figure than Rupees 2,000 as before to admit of special appropriations to repairs of roads, &c., during the monsoon. Perhaps Rs. 5,000 might be allotted under this head.

12. TOOLS AND PLANT, &c.—Rupees 800 have been allowed and an allowance of Rs. 500 for stationery.

13. PLANTATIONS.—Rupees 1,500 have been allowed. This agrees with the amount suggested by you in your letter embodied in Proceedings, Court of Wards, No. 2,801, of 6th October 1875.

14. GENERAL ESTABLISHMENT.—I have not proposed any increase in the present establishment, not that it is not wanted, but that I think a special application should be made for it. I may mention, however, that I consider the extra work thrown on the Range Officer, Chicacole, by the formation of Kimedya as a sub-division of his range, renders a greater increase of his office establishment than merely from third to second class, or from Rupees 96 to Rupees 136, absolutely necessary; the number of persons in his office is no more than before. In my opinion his office could be increased to first class, or Rupees 171, and I have urged Mr. Leggatt to apply for this specially. Then a Draughtsman for the Supervisor, say on Rupees 30, is absolutely necessary. The Kimedya sub-division is quite unlike any other sub-division in the Presidency, I am sure, from the number of works in it and the annual expenditure. He had before the change a third-class office on Rupees 75 of three persons; he has now just as much to do, and has only one person in his office on Rupees 25.

15. I do not know whether this is quite the place to say it, but I am convinced* that an officer of the higher grade than a Supervisor is required in the Kimedya sub-division to keep it up to the mark. Every one that I have spoken to on the subject thinks that he should be an Assistant Engineer, and that he should be an European. This system seems to have worked well when Captains Wright, Burton, and Cunliffe were in charge of the works before they were handed over to the Revenue Department.

16. CONSERVANCY ESTABLISHMENT.—A scheme for increasing this according to the works and extent of irrigation in the different parts of the estate is appended. I have allowed the same number of watchers on tanks as usual, though I do not see much use of them; and I think the irrigation under tanks should be left to the Manager, the Conservancy Establishment under the Public Works Department having only to do with anicuts, head sluices from rivers, and such like.

17. SURVEY ESTABLISHMENT.—Provision has been made for the entertainment of three parties at Rupees 90 each, consisting of one Surveyor at Rupees 50 and six Lascars at Rupees 6, for six months, in order to prepare data for all that is wanted to complete the irrigation requirements of the estate. It is computed by the Sub-divisional Officer that it would take three parties at least ten months to do this, or say two working seasons of six months each.

(True Copy.)

(Signed) J. VENKATRAMIAH, Head Clerk,
for Acting Principal Assistant Collector.

ENCLOSURES Nos. 2 to 7.—Budget Statements.

ENCLOSURES Nos. 8 to 23.—Estimates, Specification Reports, &c.

ENCLOSURES Nos. 24 to 33.—Plans.

With the above letter the Collector submits the Public Works Budget of the Purla Kimedya Estate for 1876-77.

2. The Budget is forwarded nearly three months after the due date. The Collector explains that the delay occurred partly in the office of the Principal

Assistant Collector, and was partly owing to the fact that he had to return the budget to the District Engineer for revision, as it had not been prepared in the form prescribed by the Court in their Proceedings, dated 6th October 1875, No. 2,801.

3. BUILDINGS, NEW WORKS, RUPEES 5,400—Enclosure 1.-A.—Of the several works enumerated in the margin for which provision is made, all except No. 3 have been already sanctioned; and, as regards No. 3, the District Engineer promises to send estimates and explain the necessity for the work hereafter. The provision will be retained. The amount provided for No. 1., added to the estimated

expenditure up to 1875-76, is Rupees 430 in excess of the sanctioned estimate, but a revised estimate with explanation is promised.

4. REPAIRS TO BUILDINGS, RUPEES 1,500—Enclosure 2.-A.—The provision which is only Rupees 500 more than that allowed last year will stand.

5. AGRICULTURAL, ORIGINAL WORKS, RUPEES 31,414—Enclosure 1.-A.—A list of works for which provision is made is given in the margin.

	RS.
1. Kistnasagaram Improvements ...	9,000
2. Restoration of Sara Kistnasagaram tank ...	7,000
3. Kinigammedda project ...	3,000
4. Calingulah to Koramagedda ...	4,194
5. Under-tunnel of Nagari katakum channel... ..	2,034
6. Weir to Caluvagedda of Addubangi ...	1,686
7. to 19. Minor Works ...	4,500
Total ...	31,414

6. In regard to No. 1., Rupees 12,182 have been already spent on the work, of which sum Rupees 7,425 were laid out in excavating a portion of the channel which has now proved to be useless. Besides the money (Rupees 12,182) already spent, and the sum (Rs. 1,072) sanctioned for certain aqueducts in connection with the work, it is stated that Rupees 13,700 are required

to complete the project, of which Rupees 9,000 are estimated to be expended in 1876-77. The provision will be retained in the budget and the estimate sanctioned. When the original estimate was sanctioned it was stated that, besides irrigating 2,000 acres of dry land, the work would supply eight villages with water; there appears therefore to be no doubt but that the project will be remunerative. The Collector is, however, requested to submit without delay a clear estimate of the financial results.

7. Work No. 2.—The estimate for this work, amounting to Rupees 7,830, is sanctioned, and the provision of Rupees 7,000 will be retained in the budget. The work when completed is estimated to yield an additional revenue of Rupees 942, or 12 per cent. on the outlay proposed.

8. Work No. 3.—The Collector states that the advantages to be derived from, and the evils to be averted by, the proposed work are fully set forth in the report of the Range Officer, but the report is not among the papers received. The provision in the budget will be retained, and the Collector requested to send the report of the Range Officer, on the receipt of which the estimates will be disposed of.

9. Work No. 4.—The Collector states that the calingulah across the stream called Koramagedda, which is estimated to cost Rupees 10,194, is necessary. He states that

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seven villages depend upon the stream for irrigating their lands, and that, in the absence of a weir, they have to construct earthen dams repeatedly during the season, and often with much difficulty. A weir was constructed in 1871-72 at a cost of about Rupees 1,350, but it was carried away by the freshes in 1873 and 1874. It is stated that 1,307 acres of land, assessed at Rupees 5,309, will be "benefited" by the work. This statement is insufficient. The provision will, however, be retained in the budget, but the estimate will not be sanctioned pending full particulars as to the probable financial effect of the work. Rupees 922 appear to have been already expended under a mistaken impression that the work had been sanctioned, but its execution appears to have been since stopped.

10. *Works Nos. 5 and 6.*—The utility of these works was explained last year as follows:—"They are emergently wanted; the former to correct a mistake in the existing work, and the latter to relieve the ryots from the necessity of raising temporary bunds from time to time at their own cost across the Caluvagedda." The provision will be retained, but the estimates will not be passed pending the receipt of fuller explanation as to the necessity for the works and the probable financial results.

11. *Nos. 7 to 19.*—A sum of Rupees 4,500 has been provided for thirteen different Minor Works, but no estimates have been forwarded, nor the necessity for the works explained. Nevertheless, the Collector requests that these items may be retained on the ground that the District Engineer has promised to forward estimates and furnish reasons shortly. They will accordingly be allowed to stand.

12. *AGRICULTURAL REPAIRS, RUPEES 12,000—Enclosure 2-B.*—The allotment made under this head exceeds that of the last year by Rupees 2,000. This sum is stated to be required for the repairs and maintenance of works under which 60,000 acres are irrigated. The provision will be allowed to stand.

13. The form adopted by the Collector for Enclosure 2-B is approved. The omission of the two columns referred to by him in the form was an oversight.

14. *COMMUNICATIONS INCLUDING AVENUES, ORIGINAL WORKS, RUPEES 19,060—*

	RS.	Enclosure 1-A.—Provision is made under this head for the works noted in the margin. Of these Item 1 is a sanctioned work, and calls for no remark. It is stated that the Range Officer is framing an estimate for an alternative line. Further explanation should be furnished on the point. Meanwhile the provision will stand.
1. Road from Kimedy to Kinchi-lingi at the foot of the Jerangi Ghaut...	3,000	
2. Ghaut Road for wheel-traffic up the Gumma Pass...	5,000	
3. Avenues on roadsides...	1,500	
4 to 7. Minor Works not sanctioned...	1,000	
8 to 14. Do. sanctioned...	5,560	
15. Tunnels on Maliah Roads...	3,000	
Total ...	19,060	

15. *Item 2.*—The provision is made with reference to Court's Proceedings, dated 6th October 1875, No. 2,801, paragraph 10. It will be retained. Plans and estimates are promised.

16. *Item 3.*—The provision is fair and is allowed.

17. *Items 4 to 7.*—Plans and estimates for the works are not sent. The provision will, however, be retained.

18. *Items 8 to 14.*—These works have been sanctioned and call for no remark.

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19. *Item 15.*—The provision under this item is made with reference to Court's Proceedings, dated 21st February 1876, No. 513. The execution of the work is proposed to be entrusted to the Principal Assistant. The Court approve of the proposal, and the plans and estimates are awaited.

	RS.	20. REPAIR AND CLEARANCE OF HILL-ROADS, RUPEES 8,800—Enclosure 2-C.—The provision made for the current year is less than that of the preceding year by Rupees 400, and will stand.
1875-76 ..	9,200	
1876-77...	8,800	
Difference ...	400	

21. *RESERVE, RUPEES 2,000.*—The District Engineer proposes a reserve of Rupees 5,000, but the Collector thinks that Rupees 2,000 will be sufficient, as various items, either omitted or insufficiently provided for by the District Engineer, have now been revised and additional allotments made. The Collector's provision will be retained.

	RS.	22. TOOLS, PLANT, AND STATIONERY, RUPEES 1,300.—The estimate for Tools and Plant is put down at Rupees 800. It will be retained.
Tools and Plant ...	800	
Stationery ...	500	
Total ...	1,300	

23. *GENERAL ESTABLISHMENT, RS. 9,138—Enclosure 3.*—The provision made this year is the same as that of the last year, and will be retained. The District Engineer contemplates making a separate application for increase of establishment. It will be considered when received. The District Engineer also remarks that a European Assistant Engineer is better suited than a Native for Purla Kimedy. The Collector thinks, and the Court agree with him, that it is too soon to re-open this question, which was only recently settled. A separate reference should be made if necessary.

	RS.	24. IRRIGATION AND CONSERVANCY ESTABLISHMENT, RUPEES 1,560.—The provision under this head is greater than that sanctioned for 1875-76. The District Engineer proposes to increase the establishment, but the Principal Assistant Collector considers that the whole increase proposed is not necessary. The Collector recommends that the provision be retained subject to further explanation from the District Engineer. The Court approve of the subject to further explanation from the District Engineer. The Court approve of the Collector's proposal. In connection with the Conservancy Establishment, the District Engineer remarks that the irrigation under tanks should be left to the Manager of the estate, the Conservancy Establishment under the Public Works Department having only to do with anicuts, head sluices from rivers, &c. The Court have no objection to this course.
1875-76 ...	372	
1876-77 ...	1,560	

25. *SURVEY ESTABLISHMENT, RUPEES 1,620.*—The District Engineer states that this establishment is necessary to prepare data for all that is wanted to complete the irrigation requirements of the estate. The provision is passed.

26. The subjoined statement shows in one view the allotments sanctioned by the Court:—

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Items.	ESTIMATE FOR 1876-77.		
	New Works.	Repairs.	Total.
	RS.	RS.	RS.
1. Buildings	5,400	1,500	6,900
2. Irrigation Works	31,414	12,000	43,414
3. Communications	19,060	8,800	27,860
4. a. General Establishment	...	...	9,133
b. Conservancy do.	...	...	3,180
5. Stationery	...	...	500
Tools and Plant	...	...	800
6. Reserve	...	...	2,000
Total ...	55,874	22,300	93,792

	RS.	RS.
• By Public Works Department	16,060	7,800
By other Agency	3,000	1,000
	19,060	8,800

The Accountant-General will be requested to place, in communication with the Collector, the sum of Rupees 89,792 at the disposal of the Public Works Department from the funds of Purla Kimeddy.

27. The plans and estimates of the sanctioned works are herewith returned.

28. A copy of these Proceedings will be forwarded to Government for information.

(True Copies and Extract.)

(Signed) E. GIBSON,
Acting Sub-Secretary.

No. 274. ORDER THEREON, 16th June 1876, No. 1,499.

ACCOUNT, No. 13.

COMMUNICATED to the District Engineer,
Ganjam.

(True Extract.)

Colonel,

Offg. Under Secy. to Govt., P.W.D.

To the District Engineer, Ganjam.

„ Examiner of Public Works Accounts.

Exd. A. F. Goodall.

Spare Copies

1876.

Court of Wards,
MADRAS.

PROCEEDINGS, 26TH MAY 1876, No. 1,379.

Encl.

Received—12th June 1876.

MAY.
No. 1,379.

Purla Kimeddy Estate—under charge of Court of Wards in Ganjam District.—Reviewing Public Works Budget of — for 1876-77 calling for explanation on certain points, and requesting Accountant-General to place, in communication with Collector, Rupees 89,729 at the disposal of Public Works Department from funds of the estate.

to the Acting Collector of ... consisting of Plans, Estimates, &c., returned.

.. the Accountant-General.

.. the Secretary to Government, Public Works Department.

Exd. W. J. Lewis.

No 1499 of 16 June 1876
communicated to the
District Engineer, Ganjam.

No 273/74

4206 CH

Gobt. of Madras.
PUBLIC WORKS.

To
The D. & Ganjam

Date
Place
Recd

G. O. 15th Dec 1876, No. 1499

~~Subd. No. 1499~~

No. 273-271

RE Engineer

Public Works Budget Es-
timate of the Pula Kumed,
Estate in the Ganjam
D. for 1876-77 - No.
of the Comptroller of the
Revenue is — requesting
the Accts. Genl. to place in
communication with the
Collector, Rs. 89,729 as the
disposal of the P.D. and