MADRAS RECORD OFFICE

Government of Madras

DEPARTMENT

G.O. No.

Dated

Not to be folded or roughly handled

Read the following papers.

No. 68. From Major E. LAWFORD, Officiating Chief Engineer; to T. PYCROFT, Esq., Chief Secretary to Government, dated 31st July 1858, No. 2389.

SIR,

Ex. Mins. of Consultation No. 1045, dated 1st June 1858
Do. do. do. „ 1171, dated 21st do. 1858
Do. do. do. „ 1306, dated 7th do. 1858
Do. do. do. „ 1364, dated 14th do. 1858

8 Origiual letters with
4 Enclosures.
1 Copy of a letter.
1 Statement.
1 Memorandum.

With reference to the orders of Government marginally noted, I have the honor to submit letters from the District Engineers of Cuddapah, Chingleput, and Nellore, relative to the expenditure on the repairs of Tanks in those Districts from which I think the Government will perceive the necessity of coming to an immediate decision either to sanction a large increase of the repairing allowance or to abandon all further operations this year.

2. Lieutenant Shaw Stewart states that with a strict regard to economy the ordinary irrigation repairs to the Tanks irrespective of the effects of the storm may be kept within the Budget allowance of 26,800 Rupees, but he requires 70,000 Rupees for the extraordinary and special expenditure caused by the storm.

3. Lieutenant A. S. Moberly after reporting his having already exceeded the Budget allowance by 18,000 Rupees, requires it to be raised from 39,800 Rupees to Rupees 47,262 and a like sum to be added for extraordinary repairs or in other words, this Officer requires Rupees 94,524 as his repairing allowance for this year.

4. Lieutenant Mullins shews that out of his Budget allowance of Rupees 77,400 the amount available on the 1st August will be Rupees 28,324, and he requires an additional sum of Rupees 1,05,000 for expenditure up to the 1st December and 50,000 Rupees for January, February and March, making his total demand, Rupees 1,55.000.

5. The means of superintending this outlay is shewn by each Officer, and though I do not consider the number of Upper Subordinates adequate, I have no means of increasing it.

6. The question now laid before Government is one of very great urgency and importance, and I am constrained to solicit its early solution. That the Districts in question suffered very severely from the storms of last year, there is no doubt whatever, and it seems absolutely necessary that no time should be lost in placing the Tanks in a state to meet the approaching monsoon or the results must be most disastrous.

7. I have therefore no alternative in submitting these reports to Government, but to renew my earnest request that additional grants may be immediately sanctioned.

8. The Government may perhaps remark on the comparatively small expenditure on repairs subsequent to the storms of November last, but this is partly explained by the state of the ground being very wet, partly by the season for cultivation and harvest not having terminated, and partly by the want of superintendence.

9. I would add copy* of a letter from the District Engineer Kurnool on the same subject and beg to suggest that of the 70,000 Rupees proposed for Cuddapah, 10,000 may be assigned to Kurnool with 5,000 added making the total 18,000† for the latter District which is now increased by four Talooks.

* No. 80, dated 8th July 1858.

† Including Budget allowance of 3,000.

Letter from Lieutenant J. H. M. SHAW STEWART, District Engineer of Cuddapah; to Major E. LAWFORD, Officiating Chief Engineer, dated Camp Goorumcondah, 14th June 1858, No. 259.

SIR,

I have the honor to acknowledge the receipt of your Extract Proceedings 1446 of the 26th Ultimo, enclosing Extract Minutes Consultation No. 1171, of the 21st Idem. They reached me

only on the 10th Instant, and the report therein called for should have been furnished 'ere this, but for the fact that I have been deprived, by fever, of the services of almost the whole of my office, including every one of my Accountants.

2. I am therefore unable to furnish immediately the Statement shewing the Repairs executed in 1857-58, previous to and subsequent to the storm of November last.

The total sum however spent on ordinary Repairs to Irrigation Works during the past year was Rupees 33,737, the total sum sanctioned in the Budget being Rupees 50,000. By far the greater portion of this was spent subsequent to the storm; and much more would have been spent but for the following causes; the time occupied in preparing the numerous estimates, and having them sanctioned; the difficulty of procuring a sufficient supply of labour in the comparatively small tract of country to which the damage was confined; and the want of efficient superintendence, chiefly caused by the reduction order of July last, which removed so many experienced hands. All these three causes are now removed: Estimates for almost all the injured works have been submitted and sanctioned: great exertions have been made to collect and concentrate labour in the Talooks which chiefly suffered:— and a large increase, partly temporary, has been made to the Executive Staff.

3. The only thing now required is the removal of the incubus, which in the shape of the Budget allowance, restricts our annual expenditure to Rupees 26,800, I do most earnestly request that no time may be lost in this being done. I would respectfully point out to Government that it will not answer the purpose to increase the grant after the lapse of a month or two, when the Reports and Statements shall all have been submitted in due form, and when the Government of India shall have had leisure to give orders on the subject, what is wanted is an immediate expenditure to save the numerous damaged tanks from destruction during the approaching monsoon. Owing to the cause which I have stated, I have not been able to prepare a Statement showing the actual extent and Assessment of the land dependent on the works, but when it is borne in mind that they number about one hundred and fifty, and that the Ayacut of many exceeds Rupees 10,000, some idea may be formed of their immense importance to the District.

4. I feel that I cannot write too urgently on this matter. It is not a question between spending the money this year, or waiting till next year, the loss of Revenue being the price paid for delay: but it is a question between spending a certain sum in repairing the tanks this year, or spending ten times the amount in restoring them during the next five years; a question too in which is concerned the welfare of a large portion of the population of the District.

I do earnestly request that Government will be pleased to take these circumstances into their favourable consideration; and that at least a large and immediate advance on emergency may be made, so that the more important of the work may be pushed on.

5. The ordinary Estimates sanctioned previous to the 30th April last, but remaining unexpended up to that date, exceed Rupees 49,626.

Those which have been subsequently submitted and sanctioned, amount to Rupees 18,908, making a total, *already* of absolutely necessary expenditure of Rupees 68,534. The sum allowed in the Budget is only Rupees 26,800, and this sum has been already exceeded. I have not yet stopped the Repairs in progress; for I really consider that such an act would involve more responsibility than continuing them even in excess of the Budget limit. On the contrary I have taken on myself to order all the more important works to be pushed on without delay, confident that my doing so will meet with your approval.

The Statement called for shall be submitted as soon as possible.

Letter from Lieutenant J. H. M. SHAW STEWART, District Engineer of Cuddapah; to Colonel C. E. FABER, Chief Engineer, dated Camp Goorumcondah, 23rd June 1858, No. 195.

SIR,

At the risk of being considered importunate, I have the honor to request that you will once more press upon Government the importance of a very considerable increase being immediately

made to the small sum set apart in Budget List No. 3, to the irrigation repairs in this District for the current year.

2. I went so fully into the facts of the case in my letter of the 13th Ultimo, No. 35, that there is no necessity for my entering again upon them. My sense of the extreme importance of the subject must be my excuse for again bringing it prominently to your notice.

3. I anticipate that this year's expenditure on irrigation repairs, will at the end of the present month, exceed Rupees 20,000. Unless an increased expenditure considerabely in excess of the Budget allowance, is at once sanctioned, I shall be reduced to the choice of two alternatives, each involving serious responsibility. The repairs must either be carried on in anticipation of sanction at my own risk; or many most important works must be summarily suspended, and many tanks left in a dilapidated condition to take their chance during the approaching rains.

4. I should of course be driven into the latter course: but it is one which I am convinced would be fraught with such injury and ruin to the interests both of the people and of Government, that I most earnestly request you to press the matter once more on the consideration of Government. At present I am placed in a most disagreeable dilemma; for which I am well aware that I could adopt the one course only at my own personal risk, I am equally certain that the other would have most injurious and damaging consequences on the interests of Government, as well as of the District at large.

Letter from Lieutenant J. H. M. SHAW STEWART, District Engineer of Cuddapah; to Major E. LAWFORD, Officiating Chief Engineer, dated Cuddapah, 24th July 1858, No. 298.

SIR,

I have the honor to acknowledge the receipt of your Extract Proceedings, Nos. 2068 and 2069 of the 19th Instant, calling for certain information with regard to the tanks, which were breached in this District in the storm of November last. I have the honor to submit herewith the tabular statement called for in Extract Minutes Consultation, No. 1171 of the 21st Ultimo, shewing the expenditure during 1857-58, on repairs to tanks, previous to, and subsequent to the storm.

2. It will be seen that the total sum so spent during the year was Rupees 34,842, instead of Rupees 33,737, as I stated in my letter, No. 259 of the 14th Instant, I beg to express my regret for this error, which arose from the same cause which has so long delayed my submitting this statement, *viz.*, the illness of a large number of my Office servants, and my wish to lose no time in furnishing you with information on the subject.

3. The storm happening, as it did, on the 2nd November may be said to have exactly halved the late official year. In the six months which preceded it, the sum spent in Irrigation repairs was Rupees 13,051; while in the six months which followed, a sum of Rupees 21,791, was spent. While comparing these two sums, it should however be borne in mind that for the first three months of 1857-58, the available departmental Superintendence in the District was very large, and that it was in these three months that the greater part of the sum of Rupees 13,051, was spent. The strength of the Department was materially reduced in July 1857, and it was by no means equal to the emergency which happened in November. In para. 2 of my letter of the 14th Instant, I alluded to other causes which greatly hindered the repairs of the breached tanks from being carried on as quickly as I could have wished.

4. I have already furnished the Central Office with a list of the works which suffered on the occasion. They are 140 in number. For 20 of these I cannot procure the Revenue Returns; but the extent of the land dependent on the remainder is 30,991 acres, the Government Revenue being Rupees 1,66,630.

5. Up to the 30th June the sum spent during the present year 1858-59, on Irrigation repairs, was Rupees 23,769. There was thus on the 1st Instant a balance in hand from the Budget allowance, of Rupees 3,031. This sum has already been spent and exceeded.

6. The ordinary Estimates sanctioned previous to the 30th April last, and remaining unexpended up to that date, exceeded Rupees 49,626. Those which have been subsequently submitted and sanctioned amount to Rupees 18,908. Thus giving already an absolutely necessary expenditure of Rupees 68,534 or Rupees 41,734 in excess of the Budget allowance for the year.

7. The effects of the November storm will in my opinion demand during the Current year, an extra and special expenditure of Rupees 70,000, with a strict regard to economy and Financial considerations, the ordinary Irrigation repairs to the remainder of the District may I think be kept within the Budget allowance of Rupees 26,800. But the extraordinary and special expenditure caused by the storm cannot I think be set down at less than Rupees 70,000. Indeed as I have shown in the last para. the estimates already submitted and sanctioned have almost reached that sum. I would therefore request an additional grant on emergency of Rupees 70,000, to repair the damage caused by the storm.

8. With regard to the Superintendence available for its expenditure, I have no doubt as to the efficiency, of the present executive strength for the purpose. The total sum which I request for the entire Current year is Rupees 93,800, and this would require a monthly expenditure of Rupees 8,000. Now the expenditure for the last three months has averaged close on Rupees 12,000. During the last month, June, the expenditure was Rupees 13,214. I have therefore no doubt whatever as to my power to spend the whole sum for which I have applied. Enclosed is a statement which shows the present Executive strength in the five talooks which principally suffered.

District.	Sanctioned for Repairs for 1857-58.	Spent previous to the Storm of 1857.	Remaining.	Spent subsequent to the Storm.	Balance.	Remarks.
Cuddapah.....	50,000 0 0	13,051 1 5	36,948 11 7	21,790 13 8	15,158 0 11	

CUDDAPAH,
District Engineer's Office,
24th July 1858.

(Signed) J. H. M. SHAW STEWART, Lieut.
District Engineer of Cuddapah.

STATEMENT shewing the executive strength in the undermentioned Talooks in the District of Cuddapah.

Names of Talooks.	Officer in charge.	Executive Subordinates.
Chitiwail.....	Dy. Asst. Commissary, W. Arnold.....	Mr. D. Shaw, Assistant Supervisor. T. Gooroosawmy Moodly, Sub-Overseer. N. Condasawmy Moodly, do. M. Chellumiah, do.
Sidhout.....		Mr. J. Cairns, Overseer. G. Venketsawmy, Sub-Overseer. Mr. J. Ward, do. N. Comaragooroo Moodly, do. C. Ramiah, do. Mr. E. Ward, Temporary do. Baubjo Row, do. do.
Budwail.....	Asst. Executive Engineer G. Leggatt Esq.	Mr. N. Norman, Sub-Overseer. P. Rungiah, do. Venketkisniah, Temporary do.
Cumbum.....		P. Mootoosawmy, Sub-Overseer V. Mausclamony Moodly, do. P. Appasawmy Moodly, Temporary do.
Doopaud.....		Somalingum do. do. Mr. E. O'Neill, Overseer. Mr. T. Skipp, Sub-Overseer T. Gopaulsawmy, Temporary do.

CUDDAPAH,
District Engineer's Office,
24th July 1858.

(Signed) J. H. M. SHAW STEWART, Lieut.
District Engineer of Cuddapah.

Letter from Lieutenant J. MULLINS, District Engineer Nellore; to Colonel C. E. FABER, Chief Engineer, dated Nellore, 25th June 1858, No. 1275.

SIR,

Not having recovered sufficiently to take charge of my Office at the time Extract Minutes Consultation, No. 1015 of the 1st June 1858, which was forwarded with your order, No. 867 of the 5th idem, was received,* I was unable to reply to it immediately, and although the representations that I have already made render it unnecessary for me to urge any further the necessity for a much larger allotment of funds, I think it is my duty to correct one or two erroneous impressions which Government appear to entertain with regard to the state of the irrigation works at the commencement of the Current Official year.

* *7th Instant.*

2. It must be remembered that all the money‡ expended prior to the 1st November 1857, was laid out in repairing the damage done by the storm of the 21st November 1856, and the storm of 1st November 1857, not only destroyed all the work executed up to that date, but in addition caused damages exceeding by 2 or 300 per Cent that of the year before. Great exertions were made to enable the Tanks to retain the water of the latter rains and the breaches of nearly every Tank in the District were repaired sufficiently to admit of about ⅓rd supply being retained, but no more was, nor indeed could be, done, and by the 1st of February Rupees 16,465-11-2 only out of the 1,07,560 altogether sanctioned being left, work was left off at all except some half dozen of the more important Tanks, and therefore, on the 1st of May 1858, ⅞th of the Tanks of the District required more work to be done to them than on the 1st of May 1857. The total expenditure up to the former date was Rupees 1,21,825-1-2.

‡ 23,528-13-1.

3. I am not exaggerating when I say that more than 100 miles of bund varying in height from 1 to 3 or 4 yards required replacing at the commencement of the current year, and that to place all the Tanks in a thoroughly efficient state and no more, that is as a general rule to complete the Earthwork in proper section to a height of 1, 1½ or 2 yards above High water line, according to the class of the Tank, and to turf the slopes and without any thing more than a very meagre amount of absolutely essential Masonry works, such as sluices, and Calingulahs, will require an expenditure of a sum equal at least to the whole wet Revenue of the District, and therefore supposing it to take 3 seasons to fully complete this necessary work, the average yearly expenditure should be about 1½ lacs in addition to the outlay in 1857-58.

4. As it may possibly be thought that my views of the proper state for a Tank to be in are some what extravagant I beg to subjoin a Statement shewing the extent of the several kinds of work provided for in the Estimates, which have either already received the Collector's approval or which are about to be submitted.

No. of Estimates sanctioned.	Amount of Estimate.	Description of work.				
395	1,70,264	Earthwork.....	1,42,016			
		Turfing.....	.....	10,429		
		New Masonry.....	.....	.....	14,906	
		Repairs of old do.....	.....	.....	.....	2,913
No. of Estimates ready for submission.		Earthwork.....	1,45,688			
162	1,71,988	Turfing.....	.....	7,605		
		New Masonry.....	.....	.....	16,865	
		Repairs of old.....	.....	.....	.....	1,830
557	3,42,252	Total...	2,87,704	18,034	31,771	4,743

I do not for a moment pretend to say that in every case the expenditure proposed is absolutely necessary, and the subordinates, by whom a larger proportion of the Estimates have been framed, must be far better acquainted with their duties, than is at present the case, before any such pleasing assurance can be entertained, but I am sure that great pains have been taken to instruct them as to the mode of preparing Estimates, and I believe that at least a very large portion of every Estiamte must be laid out if the current year's Revenue is to be secured. It will be seen how very large a proportion of the total outlay is required for Earthwork, and how small is the sum devoted to Masonry works without which the labours of a whole season on any particular work are liable to be rendered useless in a few hours.

5. I have only one objection to offer to the arrangement mentioned in para: 2nd of the orders of Government, but that is a very important one; if a large number of the Estimates already prepared are under execution at once the whole available labour after District may probably be profitably employed, but a large proportion of this labour cannot be diverted to a few works, for many people who will work at or near their Villages will not go to a distance, and on the other hand this sub-divided local labour will be insufficient even for the smaller works if their commencement be postponed until late in the season. I am therefore placed in a dilemma, as if all or as many as possible of the works are taken in hand and the extra funds asked for be not granted, every work will come to a stand still in an unfinished and probably nearly useless state, while on the other hand if I make a selection of works to be prosecuted to completion at once, a task of which the difficulty is almost insurmountable, I do so with the certainty that a large number of works will necessarily remain unrepaired, even, if the extra funds be granted, and at the same time I shall have the consciousness that a good deal of useful labour is remaining unemployed. If there be as I have stated a necessity for a large expenditure, and if, when this necessity has been demonstrated to the satisfaction of Government, funds in proportion to the wants of the District will be granted, I would point out that the sooner I can made acquainted with the amount I shall have to lay out, the better will be the arrangements I shall be able to make for spending it. I believe the Collector has taken up the question of necessity and I shall therefore say no more on that head.

6. In conclusion I would venture to express an opinion with reference to the remarks contained in the concluding para: of the Extract Minutes Consultation under reply that the enforcement of the 3 years average rule under such exceptional circumstances, as those of this District, will be found as it has been now, very inconvenient, and likely to lead to a serious loss of Revenue. I have no doubt whatever that ere this time next year it will be a matter of regret that 2 lacs of Rupees were not allotted in the first instance, for what may be called the restoration of more than ¾ of the irrigation works of the District, and I would beg respectfully to suggest that, if the 3 years average rule is for the future to be enforced, without exception, in order to keep down the standard expenditure on such repairs, an additional allotment under the head of "extraordinary repairs to irrigation works" be entered in the budget whenever necessity for so doing is clearly shown.

Letter from Lieutenant JOHN MULLINS, District Engineer Nellore; to Major E. LAWFORD, Officiating Chief Engineer, dated Nellore, 15th July 1858, No. 1180.

SIR,

I have the honor to forward a Tabular Statement exhibiting the information called for in your Circular No. LXI, dated 9th Instant.

Statement shewing the state of the Government roads in the Nellore District and the amounts required to complete them.

Names of roads.	Length of roads. Total.	Open for traffic. Completed.	Open for traffic. Incomplete.	Incomplete and not open for traffic.	Amount of sanctioned estimates.	Amount expended.	Amount required to complete.	Amount necessary to open for traffic.	Remarks.
1	2	3	4	5	6	7	8	9	10
	Miles	Miles	Miles	Miles					
Trunk road No. 6.	149	89	... ...	60	94,332	1,88,489	1,28,691	1,08,250	This road to the South of Nellore is in very good order and it is open for about 6 miles to the North of Nellore and also for about 9 miles in the immediate vicinity of Oregole. A good deal of the incomplete portion is in a sufficiently advanced state to admit of its being made use of, were other portions which are at present impassable proceeded with and completed. The old road on the Coast, which the traffic is now forced to use, is one of the worst roads in India. Government in Ext. Mins. Cons. No. 53, para. 3, promised notwithstanding the restriction of expenditure, to sanction sufficient money to render this road passable, but although much time and labor were expended in ascertaining what work must be done, and an estimate for this work was sent in on the 9th April 1858, no, sanction has been accorded.
					1,17,113				
					84,580				
					21,155				
					3,17,180				
Trunk road No. 7.	29	... ...	15	14	45,313	44,848	47,475	32,000	The whole of the earth-work and all but 3 miles of the metalling have been completed, but owing to the absence of a few necessary Tunnels over small Nullahs which are impassable at present, not more than half the road can be used. An estimate was prepared and sent in for this road also with my letter No. 748, dated 9th April 1858.
					47,010				
					92,323				
Dorenal road.....	53	... ...	20	33	71,000	1,41,908	98,732	48,732	An estimate for completing this road was sanctioned in Extract Minutes Consultation No. 2178, dated 25th November 1857, for entry in the Budget of 1859-60. No work has been done to this road since 1855, the year in which the original grants were expended. Only 20 miles out of the 53 are used by bandies and these not being metalled are in a very bad state and have only been rendered available by the erection of temporary Palmyra bridges.
					71,000				
					98,730				
					2,40,730				

Statement shewing the state of the Government roads in the Nellore District and the amounts required to complete them.—(Continued.)

Names of roads.	Length of roads. Total.	Open for traffic. Complete.	Open for traffic. Incomplete.	Incomplete and not open for traffic.	Amount of sanctioned estimates.	Amount expended.	Amount required to complete.	Amount necessary to open for traffic.	Remarks.
1	2	3	4	5	6	7	8	9	10
	Miles.	Miles.	Miles.	Miles.					
Nellore and Kristnapatam road	16½	14	2½		16,650	15,155	1,495	1,495	This road was prior to the storm of November 1857, in very good order, except at the small unfinished portion. The small balance of the construction estimate has been sanctioned for immediate expenditure but the road will be of but little use until the repairs, for which an estimate (amounting to Rupees 3,700) was sent in on the 5th May 1858, have been executed.
Raupoor road	31	1	30		20,913 74,000	20,913	74,000	50,000	This road is in its present state, of no use whatever. A great deal of money has been expended on the very difficult Ghaut which occurs at the junction of the Nellore and Cuddapah Districts, but until this Ghaut is completed no advantage will result to the traffic. Portions of the road near its eastern terminus, at Goodoor, are in an advanced state, but the absence of masonry works prevents their being brought into use.
					94,913				
Ongole and Cumbum road	73½	15	58		1,50,000	1,19,800	Has not been estimated.	76,000	This road was in 1856 getting on very well, but the original funds having been all expended and the restriction on expenditure in 1857, having rendered it advisable to bring forward more important communications for priority of execution. No estimate for its completion has as yet been sent in. A large part of the amount shewn as expended in column 7 was laid out on the continuation of the line in the Cuddapah District, and not more than about 800 Rupees per mile have been expended on the 73½ miles here spoken of. A further expenditure of Rupees 1,500 per mile will complete road-way, and all the masonry works, except a bridge over the Moosy river, which will require about 20,000 Rupees in addition to the sum shewn in column 9. The early completion of this road is a matter of very inferior importance to that of the other Government roads of the District, and I should not recommend any further outlay, until funds sufficient to open the Trunk roads Nos. 6 and 7, and the Dorsal and Raupoor roads have been allotted.

(Signed) JOHN MULLINS, Lieut.,
District Engineer Nellore.

Nellore,
15th July 1858.

Letter from Lieutenant JOHN MULLINS, District Engineer, Nellore; to Major E. LAWFORD, Officiating Chief Engineer, dated Nellore, 22nd July 1858, No. 1533.

SIR,

As directed in your order No. 2069 of the 19th Instant, I have the honor to subjoin a Statement exhibiting the additional information called for by Government.

District.	Amount allotted for 1858-59			Amount expended in May 1858			Amount expended in June 1858			Amount of Cheques issued for July 1858			Total			Probable Balance on 1st August		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Nellore.	77,400	„	„	3,492	8	9	19,683	1	10	25,900	„	„	49,075	10	7	28,324	5	5

2. It is probable that the balance estimated to be available on the 1st August next will be expended by the 20th of that month, and, provided funds are available, I estimate the probable expenditure from 20th August to 1st December as follows:

		Rs.
In 10 days in	August	15,000
„ „	September	35,000
„ „	October	35,000
„ „	November	20,000
	Total...	1,05,000

and besides this money at least 50,000 Rupees should be available for emergent work and for continuing the repairs where practicable during the months of January to April inclusive. Altogether therefore Rupees 1,05,000+50,000+77,400 sanctioned = 2,32,400 is the amount required for this year for the repairs of Irrigation works.

3. The Superintendence available is by no means as large as I could wish, and I have no doubt 3 or 4 Assistant Overseers might be very advantageously employed. The distribution of the establishment is shown below.

Executive Ranges.	Amount of estimates sanctioned or received.	Probable expenditure.	Rank and Names of Subordinates.
Nellore Range.....	1,54,039	1,00,000	Assistant Overseer Plunket. do do Lewis. Temporary Assistant Overseer Shannon. Sub-Overseer Ramanah. do Durmaroyloo. do Shasiah. do Veerasawmy. do Soobaroyloo.
Centre Range.....	79,840	51,800	Assistant Overseer Rose. Temporary Assistant Overseer Bird. Sub-Overseer Appavoo. do Venkatruthnum. do Cottrell. do Coniah. do Thylapillay.
Southern Range.....	82,830	53,500	Assistant Overseer Jack. Temporary Assistant Overseer Kelly. Sub-Overseer Gowdie. do Ramasawmy. do Felix. do Annasawmy.
Northern Range.....	43,898	27,100	Assistant Overseer O'Connor. Sub-Overseer Moonesawmy. do Iyaloo. do Banpannah.

4. It will be seen that the estimates received amount altogether to Rupees 3,60,607 and in a very great many cases these estimates do not provide for the thorough repair of the Tanks. It would not, even were the money available, be possible to carry out all these estimates fully during the current year, but it is certainly advisable to do as much as possible and, if 2 lacs be judiciously laid out by the 30th April next, I hope that a further expenditure of equal amount in 1859-60 will place every irrigation work in the District in a tolerably efficient state.

5. I beg to state that Extract Minutes Consultation No. 1171 of the 21st June 1858, was received by me on the 27th Idem and answered on the 6th July 1858.

Letter from Lieutenant A. S. MOBERLY, District Engineer of Chingleput; to Colonel C. E. FABER, Chief Engineer, dated Camp at Guindy, 1st July 1858, No. 232.

SIR,

I have the honor to forward the accompanying Statement shewing the amount entered for repairs of Irrigation Works in the Budget List of 1858-59 and also the amount of estimate, in progress and that have been submitted from which you will observe that the allowance for repairs is already exceeded by about Rupees 18,000.

2. I beg to inform you that all these estimates are required to be carried out in order to insure the safety of the works, there are also numbers of estimates coming in for urgent repairs, but as the allowance entered in the Budget is already so largely exceeded, I am unable to pass them up for sanction, and I therefore have the honor to request your instructions as to what I am to do.

3. I would also request to know what is to be done by-and-bye if a number of Tanks should be breached and all the allowance for repairs has been expended.

4. Since writing the above, I have received the Extract Minutes of Consultation No. 1171 of the 21st June communicated with your Memo. No. 1446 of the 26th of the same month, and the information therein called for shall be forwarded to you as early as practicable.

Statement shewing the amount entered for repairs of Irrigation works in the Budget List of 1858-59, and also the amount of estimates &c. in progress and that have been submitted for sanction.

Items.	Amount.	Total.
	Rs.	Rs.
Amount sanctioned for 1858-59 for Repairs of Irrigation works in the District of Chingleput		39,800
Balance remaining to be worked out from the estimate, sanctioned by the Collector and Chief Engineer in 1857-58	11,398	
Do. do. do. from the estimate of Rupees 10,100 for repairing and improving the Casaveram Annicut, sanctioned by Government on the 13th April 1858, No. 665	3,713	
Amount of estimate sanctioned by Government on the 6th May 1858, No. 869 for repairing the Chinnumbadoo Tank in the Peddapollium Talook	9,300	
Amount of estimate sanctioned by the Chief Engineer in Extract from his Proceedings No. 5774 of the 8th December 1857	4,180	
Do. do. do. do. No. 8989 of the 11th April 1858	3,250	
Amount of the estimate sanctioned by the Collector of Chingleput on the 22nd June 1858	9,103	
Amount of estimate sent to the Collector of Chingleput on the 3rd June 1858, for sanction	13,785	
		57,759

District Engineer's Office,
Camp Guindy,
1st July 1858.

(Signed) A. S. MOBERLY, Lieutenant,
District Engineer of Chingleput.

Letter from Lieutenant A. S. MOBERLY, District Engineer of Chingleput; to Major E. LAWFORD, Officiating Chief Engineer, dated Camp at Guindy, 20th July 1858, No. 309.

SIR,

In reply to your letter No. 2068 of the 19th Instant, requesting to be furnished, without further delay, with the information and Tabular Statement called for by Government in Extract Minutes of Consultation No. 1071, of the 20th June 1858, I have the honor to inform you that I have applied to the Collector for information as to the extent and Assessment of the lands dependent on the works and any other particulars tending to prove the necessity of the additional expenditure, in order, to keep up the present revenue and as soon as this is furnished I will transmit it to you.

2. In the meantime I have the honor to forward the Tabular Statement called for: from my letter No. 232, of the 1st Instant, you will observe that the allowance for repairs had been already on that date exceeded by Rupees 18,000, there are besides estimates amounting to Rupees 20,000 for repairing Tanks which, though not breached, have been so much injured, that if not put into order it is likely will be breached.

3. A few Tanks were breached in May last, and if there should be another storm next October, many more may be breached unless early measures are taken to put them in order.

4. The amount entered for repairs of irrigation works has been reduced in this year's Budget from Rupees 47,262 to Rupees 39,800, to allow of the Tanks being put in proper repair and also to keep a sum to meet emergent requirements by-and-bye I would beg to suggest that the full allowance of Rupees 47,262 be allowed for the Budget and a like further sum for extraordinary expences in consequence of the injury done in October last.

5. As regards the Superintendence I beg to state that I think what is now at my disposal will be nearly sufficient for the expenditure provided that the works entered in Statement Nos. 1 and 2 of the Budget are not ordered to be carried out, any extra Superintendence I would beg to suggest should be merely temporary and paid out of the estimates.

Statement shewing the actual outlay in 1857-58, under repairs of Irrigation works divided into expenditure previous to the Storm, and expenditure subsequent to the Storm.

District.	Sanctioned for repairs for 1857-58	Spent previous to the storm of 1857.	Remaining.	Spent subsequent to the storm.	Balance.
	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.
Chingleput	47,262	10,678	36,584	29,250	7,334

District Engineer's Office,
Camp Guindy,
20th July 1858.

(Signed) A. S. MOBERLY,
District Engineer of Chingleput.

Letter from Lieutenant T. BECKLEY, Acting District Engineer of Kurnool; to Colonel C. E. FABER, Chief Engineer, dated Camp at Mahanudy, 8th July 1858, No. 80.

SIR,

I have the honor to inform you that the 3,000 Rupees sanctioned for the repair of Irrigation works in this District during the year 1858-59, is very insufficient for repairs absolutely neces-

sary to prevent loss of revenue, during the past year the expenditure under the head of irrigation repairs amounted to Rupees 5,762-11-1, but from personal inspection and from the Commissioner having at the end of the working season forwarded to me a long list of irrigation works that still required repair before the monsoon set in, I am convinced that even this was insufficient and that the expenditure on existing works of irrigation in this District should not be less than Rupees 10,000 which sum, I have the honor to request may be substituted for the Rupees 3,000 at present sanctioned.

Statement shewing the actual outlay during 1857-58 *and* 1858-59, *in the undermentioned Districts, under repairs to works of irrigations.*

Districts.	Sanctioned for repairs in 1857-58.	Spent previous to the Storm.	Remaining.	Spent subsequent to the Storm.	Balance.	Amount entered in the Budget for 1858-59.	Amount still available.	Additional amount required.	Remarks.
Chingleput.	47,262	10,678	36,584	29,250	7,334	39,800	None.	94,524	
Cuddapah..	50,000	13,051	36,948	21,790	15,158	26,800	3,031	70,000	
Nellore.....	1,07,560	Said to be furnished in the District Engineer's letter of the 6th July 1858, which accompanied the Officiating Chief Engineers' communication to Government No. 1833, dated 9th July 1858.				77,400	28,321	1,55,000	

Central Office of P. W.,
Fort Saint George,
31st July 1858.

(Signed) E. LAWFORD, Major,
Officiating Chief Engineer.

*These sums differ from those entered in the previous statement owing it is presumed, to the District Engineers having made up the expenditure shewn in the present one, to the exact date on which the Storm took place.

Memorandum of the extent of Superintendence available for the expenditure on repairs to irrigation works as well as for general duty in the undermentioned Districts.

Districts.	Executive Officer exclusive of District Engineer.	Upper Subordinates.	Lower Subordinates.	Remarks.
Chingleput.....	2	6	13	
Cuddapah.....	3	*9+4	20	
Nellore.....	3	*6+4	17	*Authorized by Government to be paid out of the estimates
Total.....	8	21+8	50	
	8	29	50	

Central Office of P. W.,
Fort Saint George,
31st July 1858

(Signed) E. LAWFORD, Major,
Officiating Chief Engineer.

No. 69. Letter from Major E. LAWFORD, Officiating Chief Engineer; to T. PYCROFT, Esq., Chief Secretary to Government, dated 7th August 1858, No. 2601.

SIR,

With reference to my letter No. 2389, dated 31st July 1858, I have the honor to forward the accompanying original letters from the Collector* and District§ Engineer of Nellore, and to solicit the early attention of Government to the subject of the exhaustion of the amount allowed in the Budget for the Repairs of Irrigation works in that District.

* No. 186, dated 3rd August 1858.
§ No. 1604, dated 31st July 1858.

Letter from F. B. ELTON, Esq., Collector of Nellore; to Major E. LAWFORD, Officiating Chief Engineer, dated Nellore, 3rd August 1858, No. 186.

SIR,

I have the honor to forward an Extract from a letter from the District Engineer, dated 31st Ultimo, received yesterday, and with reference to the orders of Government quoted in the margin, I beg to solicit early instructions, whether the repairs of Irrigation Works are to be stopped, immediately that the amount entered in the Budget has been expended. The Board of Revenue have informed Government that such a reduced expenditure will involve serious loss both to Government and the people.

No. 1325
Extract from the Minutes of Consultation under date the 9th July 1858, Public Works Department.

* * * * *

'The Government are in correspondence with the Officiating Chief Engineer in regard to the wants of the Irrigation Works of Nellore and other Districts, and due consideration will be given to the subject.'

* * * *

Letter from Lieutenant JOHN MULLINS, District Engineer, Nellore; to F. B, ELTON, Esq., Collector of Nellore, dated Nellore, 31st July 1858, No. 1604.

* * * * *

SIR,

5. With regard to para. 2, of your letter I shall feel obliged by your informing me whether the repairs of Irrigation Works are to be stopped immediately that the amount entered in the Budget* has been expended, as this will probably be the case within the next 10 or 15 days and I have, as yet, received no authority for any further expenditure. It is hardly necessary that I should inform you that if once the works be stopped the probability of collecting labourers again in sufficient numbers is very small, as even with the regular employment which has been afforded the coolies for many months past it is found to be very difficult to induce them to stay away from the fields.

* Rupees 77,400.

* *

No. 70. ORDER THEREON, No. 1620; dated 13th August 1858.

The Governor in Council resolves to forward the foregoing letters and enclosures to the Government of India, with his strong recommendation that the additional outlay required for the repair of Irrigation works in Nellore, Cuddapah, Chingleput and Kurnool, amounting in the aggregate to Rupees 3,24,524, may be sanctioned at once, and that intimation of the same may be made by Telegraph.

2. Pending the Receipt of this sanction, the Governor in Council authorizes an advance of Rupees (10,000) ten thousand to each of the District Engineers of Nellore, Cuddapah and Chingleput, and of Rupees (3,000) three thousand to the District Engineer of Kurnool, in view to the immediate prosecution of repairs.

(Signed) T. PYCROFT,
Chief Secretary.

No. 71. Ordered in consequence that the following letter be despatched.

From T. PYCROFT, Esq., Chief Secretary to the Government of Fort St. George; to Lieutenant Colonel R. STRACHEY, Officiating Secretary to the Government of India, D. P. W., dated 13th August 1858, No. 1621.

SIR,

Para. 1. I am directed to submit for the orders of the Government of India, the accompanying* communication, with its enclosures, from the Officiating Chief Engineer, recommending the grant of additional sums for the repair of irrigation works in the

* 31*st July* 1858, *No.* 2389.

Districts of Nellore, Cuddapah, and Chingleput, amounting respectively to Rupees 1,55,000, 70,000, and 94,524.

2. The circumstances under which application has been made for these additional grants, are briefly the following. In a letter dated 18th May 1858, the Chief Engineer represented the inadequacy of the sum of Rupees 77,400 allowed in the budget of 1858-59, for the repair of irrigation works in the District of Nellore, in consequence of the extensive damages said to have been caused to the tanks in that Province by the hurricane which occurred in November 1857; and he strongly supported the recommendation of the Collector and of the District Engineer, that a sum of one lac of Rupees might be granted, in addition to the amount entered in the Budget, for the execution of the necessary repairs. In reference to this application, the Government observed† that, on the representation of the Chief Engineer, as to the inadequacy of the sum of Rupees 53,780 allotted by him for the repair of irrigation works in Nellore during 1857-58, they had sanctioned on the 20th October 1857, an additional sum to the same extent for the repair of the damages caused by the storm of November 1856, and that they had also granted permission for the most effectual aid of the Collector's Establishment being afforded to the Public Works Department in the execution of the repairs. They had therefore, they added, every reason to expect that many of the works which had suffered by the storms of November 1856, and of November 1857, must have previous to the date of application been put into proper condition; and they intimated that they were not therefore prepared to entertain the application for one lac of Rupees, in addition to the sum of 77,400 Rupees allowed in the budget. They also observed that the District Engineer had at that time ample funds at his disposal; and they desired that he should be instructed to confine his operations to such works only, as were necessary for the preservation of existing revenue, and that, when those funds were nearly exhausted, he might then apply for additional funds, submitting full explanation as to the necessity of the grant, together with information regarding the amount of work performed under the sanctions adverted to.

† *Extract Minutes Consultation 1st June* 1858, *No.* 1045.

3. On the 25th May 1858 the Chief Engineer submitted a letter from the District Engineer of Cuddapah, representing the inadequacy of the sum of Rupees 26,800 allowed in the Budget of 1858-59, for expenditure on repairs to works of irrigation in that District, and recommended that an additional grant of 50,000 Rupees might be allowed for the purpose. With this application the Government declined‡ to comply, and desired that instructions to the same effect, as had been given in the case of the application for additional funds for Nellore, might be issued to the District Engineer of Cuddapah. At the same time the Government remarked, that they were fully alive to the importance of preserving works of irrigation in an efficient condition, but that they did not feel themselves at liberty to sanction large sums in addition to those already allowed for the current year's expenditure, as such a proceeding would not only defeat the object of the budget, but would also be contrary to the repeated instructions of the Government of India. They therefore requested the Chief Engineer to place himself in communication with the local officers of those Districts, in which the irrigation works had suffered extensively by the storm of November 1857, and to report the correct amount of additional outlay that would be required for each District, and the extent of superintendence available for the expenditure of that sum. They also called for a statement showing for each District, the actual outlay in 1857-58 under repairs, divided into expenditure previous and subsequent to the storm.

‡ *E. M. C. 21st June* 1858, *No.* 1171.

4. On the 24th June 1858, the Officiating Chief Engineer applied for a lac of Rupees, in addition to the sums allowed in the budget of 1858-59, for the repair of the irrigation works in the Districts of Nellore, Cuddapah and Chingleput. But the Government observed§ that the sums entered in the Budget for that purpose already amounted to the large sum of Rupees‖ 1,44,000, and they requested to be informed whether any, and what portion of that amount, was still available in each of those Districts, and how long it was likely to last. The Officiating Chief Engineer replied to this reference on the 9th July 1858, but as his letter did

§ *E. M. C. 7th July* 1858, *No.* 1306.

‖ *Nellore*... 77,400
Cuddapah 26,800
Chingleput 39,800
1,44,000

not fully comply with the requisitions of Government, he was requested to submit a further report; and the communication from that Officer, now before the Government of India, is his reply to the several requisitions of this Government.

5. With regard to Nellore, the District Engineer, in his letter to the Chief Engineer dated 25th June 1858, submits the following explanation regarding the necessity for additional funds. "It must be remembered," he states, "that all the money expended prior to the 1st November 1857, was laid out in repairing the damage done by the storm of the 21st November 1856; and the storm of 1st November 1857, not only destroyed all the work executed up to that date, but in addition caused damages exceeding by two or three hundred per cent. those of the year before;—great exertions were made to enable the tanks to retain the water of the latter rains, and the breaches of nearly every tank in the District were repaired sufficiently, to admit of about one-third supply being retained, but no more was, nor indeed could be, done,—and by the 1st of February Rupees 16,465 only, out of the 1,07,560 altogether sanctioned, being left;—work was left off at all, except some half a dozen of the more important tanks, and therefore, on the 1st of May 1858, three-fourths of the tanks of the District required more work to be done to them than on the 1st of May 1857. The total expenditure up to the former date was Rupees 1,21,825."

"I am not exaggerating," continues Lieutenant Mullins, "when I say that more than 100 miles of bund, varying in height from 1 to 3 or 4 yards, required replacing at the commencement of the current year, and that to place all the tanks in a thoroughly efficient state and no more,—that is, as a general rule, to complete the earth-work in proper section to a height of 1, 1½, or 2 yards above high-water-line, according to the class of the tank, and to turf the slopes, and without any thing more than a very meagre amount of absolutely essential masonry works, such as sluices and calingulahs, will require an expenditure of a sum equal at least to the whole wet revenue of the District, and therefore supposing it to take three seasons to fully complete this necessary work, the average yearly expenditure should be about 1½ lacs, in addition to the outlay in 1857-58."

6. In reference to Cuddapah, the District Engineer, after explaining* that the greater portion of the sum sanctioned for repairs during 1857-58, had been spent subsequent to the storm, proceeds (para. 3) to remark on the insufficiency of the sum of Rupees 26,800 allowed for that purpose in the Budget of the current year, and observes that "what is wanted is an immediate expenditure to save the numerous damaged tanks from destruction during the approaching monsoon. Owing to the cause which I have stated, I have not been able to prepare a statement showing the actual extent and assessment of the land dependent on the works; but, when it is borne in mind that they number about one hundred and fifty, and that the Ayacut of many exceeds Rupees 10,000, some idea may be formed of their immense importance to the District."

* *To the Offg. Chief Engr.* 14*th June* 1858.

7. In his letter to the Chief Engineer dated 1st July 1858, the District Engineer of Chingleput reports, that the sum of Rupees 39,800 allowed in the Budget for repairs during the current year, has already been exceeded by Rupees 18,000, and that there are a number of estimates for urgent repairs which have not been submitted by him for sanction, in consequence of the Budget allowance having already been so largely exceeded.

8. The following Statement, submitted by the Officiating Chief Engineer, shows at one view the sums sanctioned and expended during the past, and a portion of the present year, and the amount required to provide for repairs which yet remain to be executed.

Districts.	Sanctioned for repairs in 1857-58.	Spent previous to the storm.	Remaining.	Spent subsequent to the storm of Nov. 1857.	Balance.	Amount entered in the Budget of 1858-59.	Amount available.	Additional amount required for damage, subsequent to the preparation of the Budget.
Nellore.....	1,07,560	23,528	84,031	98,296	14,265 (excess)	77,400	28.324	1,55,000
Cuddapah.....	50,000	13,051	36,948	21,790	15,158	26,800	3,031	70,000
Chingleput.....	47,262	10,678	36,584	29,250	7,334	39,800	None.	94,524

9. The extent of superintendence available in these Districts for the expenditure of the additional sums now applied for, is as follows:

Districts.	Executive officers exclusive of Dist. Engineer.	Upper Subordinates.	Lower Subordinates.
Nellore	3	10	17
Cuddapah	3	13	20
Chingleput	2	6	13

10. The Officiating Chief Engineer has also submitted copy of a letter from the District Engineer of Kurnool, representing the insufficiency of the sum of Rupees 3,000 allowed for the repair of irrigation works in his District during the current year, and recommends that the amount may be increased to Rupees 18,000, by assigning 10,000 Rupees out of the 70,000 Rupees proposed for Cuddapah, and by an additional grant of 5,000 Rupees. Thus the sums required for repairs to irrigation works, exclusive of the allowances entered in the Budget, amount in the aggregate, to Rupees 3,21,521, as shown below.

	Rs.
Nellore	1,55,000
Cuddapah	70,000
Chingleput	91,521
Kurnool	5,000
	3,21,521

11. The Governor in Council desires me to solicit the special attention of the Government of India to the urgent representations of the local Officers and of the Officiating Chief Engineer, as to the necessity for an immediate increase of the allowances for irrigation repairs in the Districts referred to. The additional sums now applied for, are required to provide for repairs caused by the destructive storm of November last; and, it is stated that unless the irrigation works are placed in an efficient condition before the approaching monsoon, the consequences will be disastrous to the revenue, and will materially affect the interests and welfare of the Ryots.

7th August 1858, *No.* 2601.

12. Since the foregoing was written, this Government have received the accompanying communication from the Officiating Chief Engineer, with its enclosures from the Collector of Nellore and the District Engineer of that Province. Lieutenant Mullins states that the sum allowed in the Budget for repairs to irrigation works during the current year, will be exhausted within the next 10 or 15 days, and he enquires whether repairs are to be suspended immediately after, adding that, if a stop be once put to work, the difficulty of collecting laborers again in sufficient numbers will be very great, as even with the regular work afforded them for many months past, it has been found difficult to induce them to stay away from the fields.

13. The Governor in Council is of opinion that full and sufficient grounds have been shown for the allotment of a larger amount of funds to the Districts referred to, and he desires me strongly to urge that the sums applied for, amounting in the aggregate to Rupees 3,21,521 may be sanctioned at once, and that intimation of the same may be made by Telegraph. Pending the receipt of the sanction here requested, the Governor in Council has authorized an advance of 10,000 Rupees to each of the District Engineers of Nellore, Cuddapah and Chingleput, and of 3,000 Rupees to the District Engineer of Kurnool, in view to the immediate prosecution of repairs, which, if once stopped, will hereafter necessitate the grant of remissions to an extent, which will probably far exceed the outlay proposed.

12

Central Office of P.W.
Fort Saint George
31st July 1858

No. 2389

From

The Officiating Chief Engineer

To

The Secretary to Government
P.W.

Public
Irrigation

Sir,

With reference to the orders of Government marginally noted, I have the honor to submit letters from the District Engineers of Cuddapah, Chingleput, and Nellore relative to the expenditure on the repairs of tanks in those Districts from which I think the Government will perceive the necessity (coming) to an immediate decision either to sanction a large increase of the repairing allowances or to abandon all further operations this year.

2 Lieutenant Shaw Stewart states that with a strict regard to economy (coming) the ordinary Irrigation repairs to

& Letter of Con. No. 1045 dated 1st June 1858
& Letter of Con. No. 1171 dated 21st ---
" " " 1306-7-
" " " 1364-16-

Enclos 15
Several letters in 1 Enclosure
1 Copied letter
1 Statement
1 Memorandum
Vc

to the Tanks irrespective of the effects of the storm may be kept within the Budget allowance of 26,800 Rupees. but he requires 70.000 Rupees for the extraordinary and special expenditure caused by the storm.-

3 Lieutenant A. S. Moberly after reporting his having already exceeded the Budget allowance by ... 18.000 Rupees requires it to be raised from 39.800 Rupees to Rupees 47,262 and a like sum to be added for extraordinary repairs or in other words this officer requires Rupees 94,524 as his repairing allowance for this year.

4 Lieutenant Mullins shews that out of his Budget allowance of Rupees 77,400 the amount available on the 1st August will be Rupees 28,324 and he requires an additional sum of Rupees 105.000 for expenditure up to the 1st December and 32,000 Rs. for January February and March making his total demand Rupees 155,000

The

5 The means of superintending this outlay is shewn by each officer and though I do not consider the number of Upper Subordinates adequate I have no means of increasing it.

6 The question now laid before Government is one of very great urgency and importance, and I am constrained to solicit its early solution. That the Districts in question suffered very severely from the Storms of last year - there is no doubt whatever and it seems absolutely necessary that no time should be lost in placing the Tanks in a state to meet the approaching Monsoon or the results must be most disastrous -

7 I have therefore no alternative in submitting these reports to Govt. but to renew my earnest request that additional grants may be immediately sanctioned.

8 The Government may perhaps remark on the comparatively small

amounts

small expenditure on repairs subsequent to the storms of November last, but this is partly explained by the state of the ground being very wet, partly by the season for cultivation and harvest not having terminated and partly by the want of superintendence).

2. I am also asked copy of a letter from the District Engineer of Kurnool on the same subject and beg to suggest that of the 70,000 Rupees proposed for Cudelapah 10,000 may be assigned to Kurnool with 5,000 added (on Price) this total 18,000 for the latter district which is (and increase of) by four thousand Rs.

"No 80 dated 5th July 1858.

* including Budget allowance of 3000-

I have the honor to be Sir

Your most Obedient Servt

Crawford Major Officiating Chief Engr

Central Office Fort Saint George 31st July 1858

No 80.

From. Captain J. Bicknell
Acting Assistt Engr
of Kimedy.

To
The Chief Engineer
in the Dept of Gu
Fort St. George.

Sir,

I have the honor to inform you that the 3000 Rs sanctioned for the repair of Irrigation works in this District during the year 1858-59 is very insufficient for repairs absolutely necessary to prevent loss of Revenue, during the ensuing year. The estimates under the heads of works executing annually to Rupees 5762-11-1 have remained unsanctioned from last June personal inspection and the Commissioner having at the end of the working season furnished to me a long list of irrigations works that still require repair before the monsoon of 1859 sets in, I am convinced that even this trifling sum will not be expended

---

Dated 1st June 1858 No 124 to 135
" 22d do " " 58 to 57
" 13th July " " (130 6)
" 20th do " " (130 4)

From the Offg Chief Engr 19th August 1858 No 1580 60-

From the Officiating Chief Engr
Fort St George

To
The Secretary to Govt
P.W.D.

Dated 31st July 1858
Received 2d Aug 1858
Entered 12-8-58
No 2387
S.G. No 1620 - 13 Aug

Submits with reference to G. & M.C. No 1364 dt 14 July 1858 correspondence relative to the expenditure on repairs to works of Irrigation in the districts of Chingleput Cuddapah and Nellore and under the circumstances set forth solicits the sanction of Govt for the disbursement of an additional grant for each of the three Districts amty respectively to Rs 94 524, 70000 & 10 155 000

Approved & Sanctioned
by Govt of India
13 Aug 58

No 68.

Copy Aug 13 58

P.W. Nos 1858 dated 31st July
Copy to Govt 17th August
No 1718

From.
The Officiating Chief Engineer

To
The Secretary to Govt
P.W.D.

on existing) works of irrigation in this
District should not be less than
Rupees 10,000 which sum, I have the
honor to request may be substituted
for the Rupees 3000 at present sanctioned)
I have the honor to be &c&c
Kurnool Dy

Engrs office
Camp at Mahanadry
8th July 1858.

(signed) T Beckley.
Ag Dist Engr Kurnool

(True Copy)

Lawrence Major
Officiating Chief Engrs

Compd D&S.

Compd D&S.

F

Memorandum of the extent of Superintendence available for the expenditure on Repairs to Irrigation works as well as for general duty in the undermentioned Districts

Districts	Superintending Engineer	Executive Officers	Subordinates	Remarks
Chingleput	2	6	13	
Cuddapah	3	9 + 4*	20	*Authorized by Government to be paid on ½ of the Estimates.
Nellore	3	6 + 4*	17	
Total	8	21 + 8	50	
	8	29	50	

Central Office of Ch. Engr.
Fort Saint George
31st July 1858

Lawrence Major
Offg. Chief Engineer

Compd. [illegible]

Copy of a letter from the Secretary to Govt. dated 18th Augt. 1858 Received 31st July 1858

To
The Secretary to Govt.
Public Works Department

Submitted
Agreed
Colonel & Chief Engineer

Copy of a letter from the Executive Engineer requesting sanction to expend Rs. 7000 for irrigation works for the Cuddapah District for the year 1858-59

Compd. [illegible]

№ 2601

From

The Officiating Chief Engineer

To

The Secretary to Government

Public Works Department.

Public.

Irrigation.

Sir.

With reference to my letter №2389 dated 31st July 1858, I have the honor to forward the accompanying original letters from the Collector and District Engineer of Nellore, and to solicit the early attention of Government to the subject of the exhaustion of the amount allowed in the Budget for the Repairs of Irrigation Works in that District.

I have the honor to be
Sir,
Your Most Obedient Servant

Major
Officiating Chief Engineer

Central Office of P.W.
Fort Saint George
7th August 1858.

*№186 dated 3rd Aug.t 58
№1604 dated 31st July 58.

Copy to the Collector of Nellore.

Chief Engineer.

Dated 31st July 1858

Received 5 Aug.t 1858

Public Works Department

Statement of Cleaning the actual outlay during 1857/58 and 1858/59 on the Sluices of the Chief Supervisor Channels and Drains under repairs for Irrigation.

Public Works Dept

Bruce.

Submitting letter with enclosures from the Collector of Kaira requesting that the attention of Government may be drawn to the urgent necessity of the immediate repairs of the Irrigation Works in that District.

Bombay Castle 8th August 1858.

Forwarded correspondence from the Collector and District Engineer, Kaira, and solicits the early attention of Government to the subject of the exhaustion of the amount provided in the Budget for the Repairs of Irrigation Works in that District.

S.E.N: 1620. 13th aug.t 1858.

Copy with Secretary to Govt. of India
13 Aug/58
No 69

Cy Aug.t 813

To Bombay 13th Augt 1858 Despatch
Dy. to Copy. 17th Augt
No 1716

Com.
The Offg Chief Engineer
&
The Secretary to Government
Public Works Department

Dated 9th August 1858.
Rec.d 12th
S.E.N. 1620 - No 2601
Bldy. Sheets: 2
1 2 2 Ab.t

Forwarded correspondence from the Collector and District Engineer, Kaira, and solicits the early attention of Government to the subject of the exhaustion of the amount provided in the Budget for the Repairs of Irrigation Works in that District.

S.E.N: 1620. 13th aug.t 1858.

Inam estate can not be sold and it
is admitted by Major Langford the
Bun is not adequate means of
supervision duly to control the
Expenditure —

If Bun is to be maintained down
town Encumbrance will be
increasing — which can
not be Engineer of Buildings
and Roads has no funds & Mr
Inam of Chuyhood Land largely ex-
-ceed the budget amount

9-7-58

Bun can be so questioned if the necessity
of these expenditures 1858

Then after the 8th of annual & new
lines we must allow the repairs to
making temporary clearances where necessary
If we do not the repairs will be carried
ed & unless the sources of irrigation
are secured before the N.E. monsoon
The repairs immediately will throw
ment of pressure for exceeding the
sum of Twenty outlay now usually
sum of Rs
Rs. 1/-

Public Works Dep.t 19

No 1620

Extract from the Minutes of Council

Under date the 13th August 1858.

Read the following

Letter from the Offg

Chief Engineer

Hereunder 31st July & 7th Augt

1858 No 2389 & 2601

The Governor in

Council resolves to

forward the foregoing

letters and enclosures

to the Government of

India, with his strong

recommendation that

the additional outlay

required for the repair

of irrigation works in

Adlaw, Cuddapah,

Chingleput and Kurnool

and during

amounting in the aggregate to Rupees 3,24,572, may be sanctioned at once, and that intimation of the same may be made by Telegraph.

2. Pending the receipt of this sanction, the Governor in Council authorizes an Advance of Rupees (10,000) ten thousand to each of the District Engineers of Tellicherry, and Dharwar and Cuddapah, and of Rupees (3,000) three thousand to the District Engineer of Kurnool, in view to the immediate prosecution of the Works

J.P.

R. Cleg to the Offg. Chief Engr
& Printed do — 524
Copies

Ecd 20th July 58 N° 6885 9

P.W.D.

Public Works 1858 Dep.t
Dy. to Secs. 17th Augt.

No. 1620

Extract Mins. of Cons:
D/ 13th August 58

From the Govt. of India D/ 22nd
July 58 C No 2382 inclg. 20 Estimates
for sanctioning Provisional Grants for the
Works of the Divisional Irrigation Establishment
under the Chief Engr.
from 1st Oct. to 31st March 1858 C No 1506 & 2 Estimates for the
Continuance of Immediate Repairs for the
Season 1858 work at Nellore

Referring to the letter of the Government of India noted in the margin, submitting Estimates for the repair of Irrigation works in the Nellore Cuddapah and Chingleput Districts, I am directed to forward herewith, for the information of the Court, a Copy of a letter from the Government of India, with its enclosures, on the subject of the Estimates, and of the Reply which has been addressed to it.

Public Works Dep.t 10th August 1858.

Abstract.

No. 1621.

To

Major R. Strachey
Officiating Secretary to the
Government of India

Sir,

I am directed to submit for the orders of the Government of India, the accompanying communication, with its enclosures, from the Officiating Chief Engineer, recommending the grant of additional sums for the repair of irrigation works in the Districts of Nellore, Cuddapah, and Chingleput, amounting respectively to Rupees 1,55,000, 70,000, and 94,524.

31st July 1858 N° 2389.

2. The circumstances under which application has been made for these additional grants, are briefly the following. In a letter dated 15th May 1858, the

the Chief Engineer represented the inadequacy of the sum of Rupees 77,400 allowed in the Budget of 1858/59 for the repair of irrigation works in the District of Nellore, in consequence of the extensive damages said to have been caused to the banks in that Province by the hurricane which occurred in November 1857, and he strongly supported the recommendation of the Collector and of the District Engineer, that a sum of one lac of Rupees might be granted, in addition to the amount entered in the Budget, for the execution of the necessary repairs. In reference to this application, the Government observed that, on the representation of the Chief Engineer as to the inadequacy of the sum

* E. & M. C. 1st June 1858 No 1045

sum of Rupees 53,780 allotted by him for the repair of irrigation works in Nellore during 1857/58, they had sanctioned on the 20th October 1857, an additional sum to the same extent for the repair of the damages caused by the Storm of November 1856, and that they had also granted permission for the most effectual aid of the Collectors establishment being afforded to the Public Works Department in the execution of the repairs. They had therefore, they added, every reason to expect that many of the works which had suffered by the Storms of November 1856 and of November 1857, must have previous to the date of application been put into proper

proper condition; and they intimated that they were not therefore prepared to entertain the application for one lac of Rupees, in addition to the sum of 77,400 Rupees allowed in the Budget. They also observed that the District Engineer had at that time ample funds at his disposal; and they desired that he should be instructed to confine his operations to such works only as were necessary for the preservation of existing revenue, and that, when those funds were nearly exhausted, he might then apply for additional funds, submitting full explanation as to the necessity of the grant, together with information regarding the amount of work performed under the sanctions adverted to.

3 On the 25th May 1858 the Chief Engineer submitted a letter from the District Engineer of Cuddapah, representing the indispensable necessity of the sum of Rupees 26,800 allowed in the Budget of 1858/59, for expenditure on repairs to works of irrigation in that District, and recommended that an additional grant of 50,000 Rupees might be allowed for the purpose. With this application the Government declined to comply, and desired that instructions to the same effect as had been given in the case of the application for additional funds for Nellore, might be issued to

+ Ellt Mins. Cons. 21st June 1858 No 1171.

to the District Engineer of Cuddapah. At the same time the Government remarked that they were fully alive to the importance of preserving works of irrigation in an efficient condition, but that they did not feel themselves at liberty to sanction large sums in addition to those already allowed for the current year's expenditure, as such a proceeding would not only defeat the object of the Budget, but would also be contrary to the repeated instructions of the Government of India. They therefore requested the Chief Engineer to place himself in communication with the local Officers of those Districts in which the irrigation works had suffered extensively by the Storm of November 1857, and to report the correct amount of additional outlay that would be required for each District, and the extent of Superintendence available for the expenditure of that sum. They also called for a statement showing for each District the actual outlay in 1857/58 under repairs, divided into expenditure previous and subsequent to the Storm.

E.M.C. 7th July 1855 N 1306.

4 On the 24th June 1858, the Officiating Chief Engineer applied for a lac of Rupees, in addition to the sums allowed in the Budget of 1858/59, for the repair of the irrigation works in the Districts of Nellore, Cuddapah and Chingleput. But the Government observed that the

the sums entered in the Budget for that purpose already amounted to the large sum of Rupees* 114,000, and they requested to be informed whether any, and what portion of that amount was still available in each of those Districts, and how long it was likely to last. The Officiating Chief Engineer replied to this reference on the 9th July 1858, but as his letter did not fully comply with the requisitions of Government, he was requested to submit a further report; and the communication from that Officer, now before the Government of India, is his reply to the several requisitions of this Government.

5 With regard to Nellore, the District Engineer

* Nellore ... 17,400
Cuddapah ... 26,800
Chingleput ... 39,800
114,000

in his letter to the Chief Engr dated 25th June 1858, submits the following explanation regarding the necessity for additional funds. "It must be remembered," he states, "that all the money expended "prior to the 1st November 1857, "was laid out in repairing "the damage done by the "Storm of the 21st November 1856, "and the Storm of 1st November "1857 not only destroyed all "the work executed up to "that date, but in addition "caused damages exceeding by "two or three hundred per cent "those of the year before. "Great exertions were made "to enable the tanks to retain "the water of the latter rains, "and the breaches of nearly "every tank in the District "were repaired sufficiently

to

"to admit of about one third
"supply being returned, but
"no more was, nor indeed
"could be, done, and by
"the 1st of February Rupees 16,465
"only, out of the 107,560 altogether
"sanctioned, being left, work
"was left off at all except
"some half a dozen of the
"more important tanks, and
"therefore, on the 1st of May 1858,
"three fourths of the tanks of
"the District required more
"work to be done to them than
"on the 1st of May 1857. The
"total expenditure up to the
"former date was Rupees
"121,825."

"I am not exag-
=gerating" continues Lieut.
Mullins, "when I say that
"more than 100 miles of
"bund, varying in height
"from 1 to 3 or 4 yards re-
=quired

"required replacing at the com-
"=mencement of the current
"year, and that to place all
"the tanks in a thoroughly effici-
"=ent state and no more, that
"is, as a general rule, to complete
"the earth work in proper sections
"to a height of 1, 1½ or 2 yards
"above high water line, according
"to the class of the tank, and
"to turf the slopes, and without
"any thing more than a very
"meagre amount of absolutely
"essential masonry works, such
"as sluices and Calingulahs,
"will require an expenditure
"of a sum equal at least
"to the whole net revenue of
"the District, and therefore
"supposing it to take three
"seasons to fully complete this
"necessary work, the average
"yearly expenditure should be
"about 1½ lacs, in addition

to

"to the outlay in 1857/58."

6 In reference to Cuddapah, the District Engr. after explaining that the greater portion of the sum sanctioned for repairs during 1857/58 had been spent subsequent to the Monsoon proceeds "(para 3) to remark on the insufficiency of the sum of Rupees 26,800 allowed for that purpose in the Budget of the "current year, and observes that "what is wanted is an "immediate expenditure to save "the numerous damaged tanks from distruction during "the approaching monsoon. "Owing to the cause which "I have stated, I have not been able to prepare a state- "ment showing the actual "extent and assessment of "the land dependent on the

+ To the Offg. Chief Engr. 11th June 1858.

works, but when it is "borne in mind that they "number about one hundred "and fifty, and that the "Ayacut of many exceeds "Rupees 10,000, some idea may "be formed of their immense "importance to the District."

In his letter to the Chief Engineer dated 1st July 1858, the District Engineer of Chingleput reports that the sum of Rupees 39,800 allowed in the Budget for repairs during the current year, has already been exceeded by Rupees 18,000, and that there are a number of estimates for urgent repairs which have not been submitted by him for sanction, as in consequence of the Budget allowance having already been so largely exceeded.

The

8 The following Statement, submitted by the Officiating Chief Engineer, shows at one view the sums sanctioned and expended during the past, and a portion of the present year, and the amount required to provide for repairs which yet remain to be executed.

Districts	Sanctioned for repairs in 1857/58	Actual or provisional Disbursements	Remaining	Assumed Disbursements of the Month	Balance	Assumed Disbursements for the Rabi F. of 1858/59	Amount annexable	Additional Amount required
Nellore	107,560	23,528	84,031	95,296	14,265 (excess)	77,400	29,324	155,000
Cuddapah	50,000	13,051	36,948	21,790	15,158	26,300	3,031	70,000
Chingleput	47,262	10,678	36,584	29,250	7,334	37,800	None	94,524
&c								

9 The extent of Superintendence available in these Districts for the expenditure of the additional sums now applied for, is as follows

Districts	Executive Officers exclusive of Dist.ts Engineer	Upper Subordinates	Lower Subordinates
Nellore	3	10	17
Cuddapah	3	13	20
Chingleput	2	6	13

10 The Officiating Chief Engineer has also submitted a copy of a letter from the District Engineer of Kurnool, representing the insufficiency of the sum of Rupees 3000 allowed for the repair of irrigation works in his District during the current year, and recommends that the amount may be increased to Rupees 15000, by assigning 10000 Rupees out of the 70000 Rupees proposed for Cuddapah, and by an additional grant of 5000 Rupees. Thus the sums required for repairs to irrigation works, exclusive of the allowances entered in the Budget, amount in the aggregate to Rupees 324,524, as shown below:

	Rs
Nellore	155000
Cuddapah	70000
Chingleput	94,524
Kurnool	5000
	324,524

11 The Governor in Council desires me to solicit the special attention of the Government of India to the urgent representations of the local officers and of the officiating Chief Engineer, as to the necessity for an immediate increase of the allowance for irrigation repairs in the Districts referred to. The additional sums now applied for, are required to provide for repairs caused by the destructive storm of November last; and it is stated that unless the irrigation works are placed in an efficient condition before the approaching monsoon, the consequences will be disastrous to the revenue, and will materially affect the interests and welfare of the ryots.

12 Since the foregoing

of 14th Augt 1858 № 2601.

was written, this Government have received the accompanying communication from the Officiating Chief Engineer, with its enclosures from the Collector of Nellore and the District Engineer of that Province. Lieut. Mullins states that the sums allowed in the Budget for repairs to irrigation works during the current year, will be exhausted within the next 10 or 15 days, and he enquires whether repairs are to be suspended immediately after, adding that, if a stop be once put to work, the difficulty of collecting laborers again in sufficient numbers will be very great, as even with the regular work afforded them for many months

months past, it has been found difficult to induce them to stay away from the fields.

13 The Governor in Council is of opinion that full and sufficient grounds have been shown for the allotment of a larger amount of funds to the Districts referred to, and he desires me strongly to urge that the sums applied for, amounting in the aggregate to Rupees 3,24,524 may be sanctioned at once, and that intimation of the same may be made by a telegraphic ~~communication~~.

⊕ Pending the receipt of the sanction here requested, the Govt has authorized an advance of 10,000 Rupees to each of the Dist Engineers of Nellore, Cuddapah & Chingleput, and of 3,000 Rupees to the Dist Engineer of Kurnool, in view to the immediate prosecution of repairs, which, if once stopped, will (as after precipitate the grant of) sanctions to an extent which will probably far exceed the sum now proposed.

Fort St. Geo: 13th Augt 1858.

CONCERNS BOTH BRITISH INDIA
AND INDIAN STATES.

Public Works 1858 Dept.t
Copy. to Govt. 17. Augt.

No. 1621.

To the Offg. Secry to the
Govt. of India.

Dept. 15. Augt. 58.

From Do. 22d Septr. 58.
Con. 2382 inclo: 29 Encls. No. 2261

Submitting the accounts of
the Ganges Canal to the 31st January
and Estimate for the repair of
Irrigation Works in the District
of Hallowbund and Chunglepat
for Rupees Amounting in the
aggregates to Rs. 3,21,524.

65 to
No. 71.