

(1) Number of pages. _____

(2) Date of repair. _____

(3) Initials of the Referencer. _____

MADRAS RECORD OFFICE

Government of Madras

Public works

DEPARTMENT

G.O. No.	1650	Press
B.P. No.		Mis.
369-370		
Dated	25 - 6 -	1873 .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
25th June 1873.*

No. 369. Read the following letter from Lieutenant-Colonel R. A. ROBERTS, R.E., District Engineer, Madura, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Camp at Kodicanal, 29th May 1873, No. 699:—

ADVERTING to the remarks contained in the concluding portion of paragraph 2 of G. O., No. 1,134, dated 19th April 1873, I have the honour to submit, for the sanction of Government, an estimate, amounting to Rupees 3,240, for removing the remaining shallow places in the inner angle of the Paumben Channel by blasting and dredging.

2. Were the two dredges at work, as was the case formerly, the service in question could be carried out in one year, but owing to there being only one dredge available to work with, it is now proposed to do in two succeeding years the work still remaining to be executed.

3. Under these circumstances I request that the Government will be pleased to allot for this year a moiety of the amount of the estimate, viz., Rs. 1,620, from the Reserve* at their disposal. *Vide* paragraph 3 of G. O., No. 1,120, dated 17th April 1873.

*Rupees 63,840.

4. I take the opportunity to submit, for the information of Government, a copy of the estimate, showing how the current year's grant of Rupees 6,000, for the maintenance of the Paumben Channel, is proposed to be utilized.

No. 370. ORDER THEREON, 25th June 1873, No. 1,650.

CIVIL WORKS, No. 26.

THE entire amount of the Provincial Reserve at the disposal of the Public Works Department having been absorbed in providing for incomplete works in progress during the past year, the additional work required for removing shallow places in the inner angle of Paumben Channel alluded to in this letter will be paid for out of the maintenance allowance of Rupees 6,000 until that shall have been fully availed of. After which the Madura District Engineer will bring to notice his further requirements for the current year, to be met from any savings that may be available.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Madura.
" Officiating Controller of Public Works Accounts;
" Financial Department.
" Accountant General.

Exd. S. T. Austin.

Estimate for removing remaining shallow places in the Inner
 Ang's of Paumotu channel by blasting and dredging
 to be carried in two years

Quantities	Description	Rate Per	Amount	Amount of each part	Remarks
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Blasting with 3 rafts for 6 months

Labor

6 Divers for 6 months = 36 Divers	" 5 " Month	180 " "
1080 Holes pumping	" 8 " Holes	540 " "
135 carpenters preparing charges	" 7 " Each	591 " "
270 Coolies	" 5 " "	84 6 " "
240 " for charges & firing charges	" 4 " "	60 " "

Total labor

923 7 "

Materials

180 Talay trees including cutting & felling to be brought in by gangs of coolies	" 1 " "	11 4 "
110 Tons of Hammer	" 12 " Tons	192 8 "
240 Measures lamp oil	" 12 " Measures	180 " "
1200 Bamileos	" 20 " "	260 " "
880 Boils of furze	" 8 " Boils	440 " "
1600 lbs of Gunpowder including packing and carriage	" 5 " lbs	500 " "
50 Old packing cases for charges	" 5 " Each	15 10 "
Sundries - old rags cotton thread, and rope &c. for charges		

Total materials

27 3 "

Total Blasting

1626 9 "

2550 " "

Stone boat for a similar period

Labor

7 Tindals for 6 months	3 " " Month	18 " "
375 Cubic yards of Stone (to Rivers)	" 9 " Cubic yds	210 15 "
Sundries oil &c.		

211 "

Reduction has been made for balance owed to this work

100 100
100 100
100 100

100 100

100 100

Brought forward
 Dredging for 9 months to raise
 2 boat loads per day

2800 ..

Labor

1620 Coolies for raising 2 boats and
 1 canoe

Contingencies shifting anchors &c

" 40 each 400 ..
 35 ..

To be worked by
 gang of coolies &c
 from 1st June

440 ..

Total Estimate Rupees

3240 ..

Panmen
 10th May 1873

B. Henderson Supervisor
 In charge of the Panmen

E. J. H. H. B. District Engineer of Madras

Estimate showing proposed expenditure on the yearly allotment
 of maintaining Panmen Channel & amount of
 Rupees here.

Description Date Per Amount of each part Remarks

Labor

1 Dredging for 12 months 14 .. month 118 ..
 780 Coolies for taking boats and
 canoe for 3 months 4 .. each 175 ..
 472 .. month Coolies using a gang
 of 40 per month for Hand
 & rope to throughout the
 year 80 392 ..
 1720 Coolies for working Panmen
 & rope for 4 months throughout
 the year (being 8 per night) 80 160 ..
 600 Coolies for working steam boat
 for 4 months throughout
 the year 40 160 ..
 30 Carpenter for repairing workshops &c 80 15 ..
 20 Smiths for 80 80 80 10 ..
 20 Hammermen for 80 80 50 6 4 ..
 20 Bellows boys for 80 80 26 80 3 2 ..
 20 Bricklayers for 80 80 7 80 11 4 ..
 40 Coolies assisting above 40 10 ..
 Total Labor 5114 10 ..

To be employed
 on the
 on shore
 cutting for
 in the
 for making
 rope & that
 &c

Materials

36 .. Measure of coconut oil 12 .. Measure 27 ..
 230 .. Measure of rope 20 .. Measure 460 ..

Labor brought forward ————— 5114 10
 Materials ————— 497
 10 Large board poles ————— 8 ————— each 80
 30 Smaller ————— 7 ————— 13
 28 Canoes (7 monthly for 4 months) ————— 4 ————— 112
 12 Coconut trees for repairing
 workshop ————— 2 8 ————— 30
 5000 Coconut leaves for ————— 2 10 ————— 1000 32 8
 4000 Hurricane ropes for ————— 6 ————— 100 15
 1500 Mats for ————— 2 ————— 100 1 14
 15 Salams of 2^d Hand iron for ————— 1 2 ————— 20 4
 8 ————— of paying for repairing
 workshop ————— 1 ————— 3
 2 Turkish planks for ————— 8 ————— inch 16

Total Materials
 815 12

Sundries - Chumam leather
 coming to carcase —————
 67 10

Total Estimated Expenses
 882 22

I certify }
 10th May 1873. }
 J. B. Henderson
 In charge of stores

Camp Macdonald
 1874
 (over)

District Engineer's Office

No. 699
 Camp Koducamel 29th May 1873

From
 Genl. Colonel J. A. Roberts to A.C.
 District Engineer, Madras

To
 Colonel W. Walker A.C.
 Secretary to Government S.M.

In answer to the remarks
 contained in the concluding portion
 of para 2 of L.O. No 1134, dated
 19th April 1873, I have the honor to
 submit, for the sanction of Government,
 an estimate amounting to Rs 3240
 for removing the remaining shallow
 places in the inner angle of the
 Pambour channel, by blasting
 and dredging.

As the two Dredges at work,
 as was the case formerly, the service
 in question could not be carried out
 in one year, but owing to there being
 only one Dredge available to work with,
 it is now proposed to do ————— in

