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MIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

DEPARTMENT

.O. No.
B.P. No. P.W. 4020 — Press.
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197 .

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

15th October 1878, No. 4,020 W.

General.

Account.

Read the following papers :—

No. 199-A.	From District Engineer,	Ganjam,	dated 4th Sept. 1878,	No. 51.	
,, ,,	,, ,,	Godavari,	,, 9th ,, ,,	,, 1,858.	2
,, ,,	,, ,,	Kistna,	,, 23rd Aug. ,,		3
,, ,,	,, ,,	Nellore,	,, 4th Sept. ,,		4
,, ,,	,, ,,	Chingleput,	,, 13th ,, ,,	No. 131.	5
,, ,,	,, ,,	South Arcot,	,, 26th Aug. ,,	,, 191.	6
,, ,,	,, ,,	Tanjore,	,, 31st ,, ,,	,, 2,006.	7
,, ,,	,, ,,	Malabar,	,, 22nd ,, ,,	,, 57.	8
,, ,,	,, ,,	S. Canara,	,, 19th ,, ,,	,, 51.	9
,, ,,	,, ,,	Madura,	,, 11th Sept. ,,		
,, ,,	,, Salt Commissioner,		,, 9th ,, ,,	No. 1,192.	10
,, ,,	,, Director-General of Post Offices,		,, 26th Aug. ,,	,, 5,415.	11
,, ,,	,, do. of Telegraphs,		,, 6th Sept. ,,	,, 2,502.	12
,, ,,	,, Master Attendant, Madras,		,, 20th ,, ,,	,, 7,106.	13
,, ,,	,, Military Department,		,, 21st ,, ,,	,, 4,945.	14
,, ,,	,, Government of India,		,, 16th ,, ,,	No. 668 A.G.	15
,, ,,	Telegram from the Govt. of India,		,, 11th Oct. ,,		
,,					

BUILDINGS AND ROADS.

SCHEDULE of the Probable Requirements of the Madras Presidency on account of Imperial Works for 1879-80.

Executive Division.	Projects.			Amount of Estimate.	Computed Expenditure up to 31st March 1879.	Estimate 1879-80.	No.	Remarks or References.
	No.	Locality.	Description.					
			ORIGINAL WORKS.	RS.	RS.	RS.		
			MILITARY.					
Bellary ..	1	Bellary ..	New pattern punkahs throughout the barracks 2/13 Light Infantry.	..	..	4,300	1	Estimate awaited.
Do. ..	2	Do. ..	Bakery, Commissariat Department.	..	..	5,000	2	Do.
Do. ..	3	Do. ..	Slaughter-house and hanging shed.	..	..	8,000	3	Do.
Presidency ..	4	Fort St. George.	Additional story to the quarters occupied by the Commissary of Ordnance.	9,220	6,490	7,000	4	G.O., No. 1,033 W, of 4th December 1877.
Do. ..	5	Vysarpaudy.	Buildings for press pumps with gear for granulating, pebble making 8 horse power engine and two boilers at the Gun Powder Factory.	..	..	20,000	5	Estimate awaited.
Do. ..	6	Do. ..	Buildings for charcoal pulverizing, sulphur grinding mixing machine, 8 horse power engine and two boilers at the Gun Powder Factory.	..	..	10,000	6	Do.
Do. ..	7	Do. ..	Buildings for glazing, dusting separating 12 horse power engine and two boilers at the Gun Powder Factory.	..	..	40,000	7	Do.
Do. ..	8	Do. ..	Building for six mills (including engine horse, chimney boilers, house, six mill rooms, green charge room, watch house for Europeans and Natives, tramway, compound wall and road) at the Gun Powder Factory.	..	..	30,000	8	Do.
Do. ..	9	Do. ..	Enlarging existing quarters of millmen and supervisors for residence of Master-worker and Master-refiner at the Gun Powder Factory.	10,170	5,000	5,200	9	G.O., No. 73, of 12th June 1871. Item No. 13 of Class C works of budget of 1878-79.
Do. ..	10	Do. ..	Upper story to one of the cooperage shed, Commissariat Department.	..	..	7,000	10	Estimate awaited.
Do. ..	11	Do. ..	Slaughter-house, Commissariat Department.	..	..	11,000	11	Do.
Do. ..	12	Do. ..	Quarters for station butcher, do.	..	..	3,000	12	Do.
Chingleput ..	13	Poonamallee.	New double storied barracks for 200 men with out-houses.	1,66,885	11,260	60,000	13	G.O., No. 2,316 W, of 28th May 1878. *Vide* No. 2,317 W to the Government of India.
			New quarters for 30 families with do.	82,300				
			Do. for Apothecary.	7,150				
			Alterations to existing buildings and demolitions.	18,476				
				2,74,811				
			Deduct value of old materials.	4,305				
				2,70,506				

SCHEDULE of the Probable Requirements of the Madras Presidency on account of Imperial Works for 1879-80—*continued.*

Executive Division.	Projects.			Amount of Estimate.	Computed Expenditure up to 31st March 1879.	Estimate 1879-80.	No.	Remarks or References.
	No.	Locality.	Description.					
			MILITARY—*contd.*	RS.	RS.	RS.		
Chingleput ..	14	Poonamallee.	Double storied hospital for 90 patients with out-houses.	102,000	96,000	2,000	14	G.O., No. 2,176, of 18th August 1876.
Do. ..	15	Do. ..	New cook-house fitted with a Duffs' range for the new hospital.	..	..	3,700	15	Estimate awaited.
Do. ..	16	Pallavaram ..	New lines for a whole Native Regiment.	..	..	80,000	16	Do.
Do. ..	17	St. Thomas' Mount.	General improvements to Commissariat Godown.	..	..	3,000	17	Do.
Do. ..	18	Do. ..	Expense Magazine at the Butts near the Gun and Mortar Batteries.	..	..	5,000	18	Do.
Salem ..	19	Oosoor ..	Alteration to forty horse stables.	..	..	6,000	19	Do.
Bangalore ..	20	Bangalore ..	Additional works in connection with Ulsoor water-supply project.	66,598	52,500	14,000	20	Sanctioned by Government of India. Register No. 35 M W of 1877-78. G.O., No. 589 W, of 16th August 1877. Item No. 16 of budget of 1878-79.
Do. ..	21	Do. ..	Quarters for Quartermaster Serjeant, Royal Horse Artillery, Ulsoor Barracks.	4,220	..	4,220	21	G.O., No. 1,670, of 14th June 1875. Item No. 1 of Class C works of budget of 1878-79.
Do. ..	22	Do. ..	Cost of road from Trinity Church to Agram Barracks.	9,200	..	9,200	22	Sanctioned by the Government of India. Register No. 8 MW of 1874-75. G.O., No. 1,541, of 11th June 1874; and No. 683, of 10th March 1875. Item No. 8 of Class C works of budget of 1878-79.
Do. ..	23	Do. ..	Drainage of Native Infantry Lines.	14,400	13,400	1,000	23	G.O., No. 126, of 26th May 1873. Item No. 21 of budget of 1878-79.
Do. ..	24	Do. ..	School for Royal Horse Artillery and Royal Artillery.	11,700	..	11,700	24	G.O., No. 1,123 W, of 19th October 1877.
Do. ..	25	Do. ..	Improvements to Dumloor tank.	Approx. 20,000	10,000	10,000	25	G.O., No. 524, of 25th Feb. 1876. Detailed Estimate awaited. Item No. 17 of budget of 1878-79.
Do. ..	26	Do. ..	New wall round forage yard of the Royal Horse Artillery.	..	..	2,500	26	Estimate awaited.
Do. ..	27	Do. ..	Cart shed 90×25 at Karkhana, Commissariat Department.	..	..	4,500	27	Do.
Do. ..	28	Do. ..	Quarters for a Staff Serjeant of the Commissariat Department at or near the public cattle line, Bangalore.	..	..	4,000	28	Do.
Do. ..	29	Do. ..	Do. for School-master and School-mistress, European Infantry.	..	..	7,000	29	Do.
Do. ..	30	Do. ..	New Armourers' shop, Parade Barracks.	..	..	5,400	30	Do.
Do. ..	31	Do. ..	Quarters for Band Master Serjeant, Cavalry.	..	..	5,000	31	Do.
Do. ..	32	Do. ..	Do. do. European Infantry.	..	..	5,000	32	Do.
Do. ..	33	Do. ..	Sifting-room, Commissariat Department.	..	..	4,000	33	Do.

SCHEDULE of the Probable Requirements of the Madras Presidency on account of Imperial Works for 1879-80—*continued.*

Executive Division.	Projects.			Amount of Estimate.	Computed Expenditure up to 31st March 1879.	Estimate 1879-80.	No.	Remarks or References.
	No.	Locality.	Description.					
			MILITARY—*contd.*	RS.	RS.	RS.		
Trichinopoly.	34	Trichinopoly.	Extending barrack accommodation for the Royal Artillery.	4,000	..	4,000	34	G.O., No. 1,871, of 24th July 1876. Item No. 2 of Class C works of budget of 1878-79.
Do. ..	35	Do. ..	Central school for the Battery and Detachment, European Infantry, for men and children of both services.	..	..	12,200	35	Estimate awaited.
Do. ..	36	Do. ..	Guard-room, lock-up, and three cells for Detachment, British Infantry, including wash-house and privy.	..	..	14,000	36	Do.
Do. ..	37	Do. ..	Plunge bath for Detachment, British Infantry.	..	..	3,000	37	Do.
Do. ..	38	Do. ..	Gymnasium for Battery of Artillery.	..	..	11,800	38	Do.
Nilgiri ..	39	Wellington.	Bath-rooms to wash-houses.	3,120	..	3,000	39	G.O., No. 1,472, of 4th June 1874. Item No. 5 of Class C works of budget of 1878-79.
Do. ..	40	Do. ..	New latrines on dry earth system.	3,750	..	3,750	40	G.O. No. 999, of 25th March 1874, M.D.
Do. ..	41	Do. ..	Timber bridge over the Waterloo stream.	12,200	15,334	10,000	41	G.O., No. 941 W, of 9th October 1877. Revised estimate under consideration.
Malabar ..	42	Cannanore ..	Painting doors and windows of barracks, married quarters and outhouses, European Infantry Regiment.	4,430	..	4,430	42	G.O., No. 1,866, of 3rd July 1875. Item No. 3 of Class C works of budget of 1878-79.
Do. ..	43	Do. ..	Two additional Staff Serjeants' quarters for European Infantry Regiment.	..	..	7,000	43	Estimate awaited.
Do. ..	44	Do. ..	Latrines and dry earth-work stores for one Native Infantry Regiment.	..	..	7,100	44	Do.
Do. ..	45	Do. ..	Double skittle alley for European Infantry Regiment.	..	..	5,000	45	Do.
Do. ..	46	Do. ..	Converting one of the disused Artillery stables into a bakery for the use of the troops.	..	..	7,000	46	Do.
Do. ..	47	Do. ..	Punkahs for European Regiment.	..	..	10,000	47	Do.
						5,00,000		
	48	..	Grant for Minor Works the estimated cost of which does not exceed Rupees 2,500 each.	..	..	1,50,000	48	
	49	..	Repairs	..	..	2,50,000	49	
			Total, Military ..	..	..	9,00,000		
			ORIGINAL WORKS.					
			CIVIL BUILDINGS.					
			Postal Buildings.					
Nilgiri ..	50	Kotagiri ..	New Post Office ..	..	..	3,500	50	Estimate awaited.
..	51	Ootacamund.	Do. ..	..	..	5,000	51	Estimate in circulation.
Presidency ..	52	Madras ..	Do. ..	2,45,010	..	50,000	52	Sanctioned by Government of India. Register No. 36 B of 1876-77. G.O., No. 1,138, of 8th May 1876.
						58,500		

SCHEDULE of the Probable Requirements of the Madras Presidency on account of Imperial Works for 1879-80—*continued.*

Executive Division.	Projects.			Amount of Estimate.	Computed Expenditure up to 31st March 1879.	Estimate 1879-80.	No.	Remarks or References.
	No.	Locality.	Description.					
				RS.	RS.	RS.		
			Postal Buildings—contd.					
	54	..	Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	9,000	53	
	54	..	Repairs	..	..	5,000	54	
			Total, Postal Buildings ..	..	..	72,500		
			Telegraph Buildings.					
Presidency ..	55	Madras ..	Telegraph Office ..	2,57,192	..	1,00,000	55	Sanctioned by Government of India. Register No. 36 B of 1876-77. G.O., No. 1,138, of 8th May 1876.
Nilgiri ..	56	Ootacamund.	Do.	..	..	10,000	56	Estimate in circulation.
						1,10,000		
			(To be combined with Post Office.)	..	..			
	57	..	Grant for Minor Works the estimated cost of which does not exceed Rupees 2,500 each.	..	..	10,000	57	
	58	..	Repairs	..	..	5,000	58	
			Total, Telegraph Buildings ..	..	..	1,25,000		
			Salt Works.					
Ganjam ..	59	Ganjam ..	Removing and reconstructing Police huts near Ganjam and Hoona salt-pans.	..	..	2,000	59	Estimate awaited.
Do. ..	60	Do. ..	Constructing masonry bridge in lieu of the wooden bridge between Ganjam pans and Chilka canal.	..	..	3,800	60	Do.
Kistna ..	61	Pondraca ..	Police lines	4,607	2,000	2,500	61	G.O., No. 3,028 W., of 29th July 1878. Item No. 33 of budget of 1878-79.
Do. ..	62	Nizampatam.	Do.	3,562	2,000	1,500	62	G.O., No. 3,028 W., of 29th July 1878. Item No. 32 of budget of 1878-79.
Do. ..	63	Chinnaganjam.	Do.	4,582	2,000	2,380	63	G.O., No. 3,028 W., of 29th July 1878. Item No. 31 of budget of 1878-79.
Do. ..	64	Do. ..	Salt kacheri	..	2,000	1,000	64	Estimate awaited. Item No. 35 of budget of 1878-79.
Do. ..	65	Nizampatam.	Improvements to Salt kacheri.	..	2,000	1,260	65	Estimate awaited. Item No. 34 of budget of 1878-79.
Do. ..	66	Masulipatam and Munganapadi.	Excavating a navigable canal from Masulipatam to Salt Cotaur at Munganapudi.	68,580	..	20,000	66	G.O., No. 188, dated 26th October 1874, R.D.; G.O., No. 178, dated 23rd November 1874, P.W.D.; G.O., No. 1,598, of 19th September 1874, R.D.; and No. 48 of 11th January 1876, R.D.; G.O., No. 2,081, of 8th August 1877, P.W.D.

SCHEDULE of the Probable Requirements of the Madras Presidency on account of Imperial Works for 1879-80—*continued.*

Executive Division.	Projects.			Amount of Estimate.	Computed Expenditure up to 31st March 1879.	Estimate 1879-80.	No.	Remarks or References.
	No.	Locality.	Description.					
			Salt Works—contd.	RS.	RS.	RS.		
Nellore ..	67	Tirumalapenta.	Making a road from the trunk road near Kavali to Tirumalapenta salt platform.	..	15,000	8,500	67	Estimate awaited.
Do. ..	68	Duguraznpapatam.	Constructing new police lines for the salt guard	4,200	3,100	1,100	68	G.O., No. 3,428, of 3rd December 1875; Board's Proceedings, No. 7,017, of 4th August 1875. Item No. 36 of budget of 1878-79.
Do. ..	69	Beerungunta.	Making an approach to the north platform.	..	1,000	3,000	69	Estimate awaited. Item No. 37 of budget of 1878-79.
Do. ..	70	Do. ..	Making an approach from Beerungunta to Devarampadu.	..	1,000	3,000	70	Estimate awaited. Item No. 38 of budget of 1878-79.
Do. ..	71	Do. ..	Palisade with stone pillars in chunam and palmyra rails to three salt platforms.	..	1,040	3,000	71	Estimate awaited. Item No. 39 of budget of 1878-79.
Do. ..	72	Kanuparthy.	Salt road from 198th mile of Great Northern Road to Kanuparthy.	..	..	5,000	72	Estimate awaited.
Chingleput ..	73	Ennore ..	Bar including groyne work.	..	..	17,000	73	Do.
Do. ..	74	Covelong ..	Rebuilding the Salt Superintendent's Office on the beach.	..	..	2,500	74	Do.
South Arcot ..	75	..	Repairing and improving the Kandadu lattice bridge.	..	..	9,000	75	Estimate awaited. Called for in G.O., No. 2,546 W, of 17th June 1878.
Do. ..	76	..	Head sluice to the Chinnampet brine supply channel.	..	..	2,000	76	Estimate awaited.
Tanjore ..	77	Negapatam.	Constructing police huts for one Head Constable and twenty Constables.	7,620	..	7,600	77	G.O., No. 2,921 W, of 19th July 1878.
Malabar ..	78	Cannanore. Etticolum. Madai .. Belliapatam Edacaad .. Tellicherry. Cavoy ..	Constructing seven salt preventive police stations at Rupees 900 each.	..	..	6,300	78	Estimate awaited.
Do ..	79	Badagarai. Trikodi .. Quilandii .. Chambala.	Do. four do. at Rupees 900 each.	..	..	3,600	79	Do.
Do. ..	80	Tanur .. Peroni .. Ponani .. Tirur .. Edakateyoor. Chetivaye. Papanivattam. Valapgad. Madulagum Calicut .. Beypore .. Perpangadi.	Do. twelve do. at Rupees 800 each.	..	..	9,600	80	Do.
Madura ..	81	Vyravanadapatam Attengarai.	Masonry buildings for salt division offices each at Rupees 1,900.	3,800	1,900	1,900	81	Proceedings of the Board of Revenue, No. 9,023, of 5th October 1875; No. 854 of 28th March 1876; and No. 4,316 of 26th May 1876. Item No. 46 of budget of 1878-79.

SCHEDULE of the Probable Requirements of the Madras Presidency on account of Imperial Works for 1879-80—*continued.*

Executive Division.	Projects.			Amount of Estimate.	Computed Expenditure up to 31st March 1879.	Estimate 1879-80.	No.	Remarks or References.
	No.	Locality.	Description.					
			Salt Works—contd.	RS.	RS.	RS.		
Madura ..	82	Attengarai ..	Cutting a channel from the sea to the pans for supplying sea-water for the manufacture of salt.	..	2,000	2,000	82	Estimate awaited. Item No. 48 of budget of 1878-79.
Do. ..	83	Morecolum ..	Construction of tunnels and side dams on the cross road from Morecolum station to the road between Madura and Ramnad.	3,450	2,000	1,450	83	Proceedings of the Board of Revenue, No. 3,414, of 26th April 1875. Item No. 47 of budget of 1878-79.
Godavari ..	84	..	Metalling and gravelling salt roads in the Godavari District.	..	..	3,000	84	Estimate awaited.
Do. ..	85	..	Canal from the Cocanada canal to the salt pans.	1,04,090	..	40,000	85	G.O., No. 2,776, of 17th October 187[illegible], and No. 200, of 22nd January 1877. G.O., No. 1,238 W, of 11th March 1878.
Tanjore ..	86	Vadarniem ..	Huts for two Head Constables and nineteen Constables.	8,310	2,000	6,300	86	G.O., No. 2,844 W, of 12th July 1878. Item No. 43 of budget of 1878-79.
Do. ..	87	Cuthmavady.	Do. for one do. and 9 do.	5,540	3,500	2,000	87	G.O., No. 813 W, of 18th February 1877. Item No. 44 of budget of 1878-79.
						1,72,550		
Do. ..	88	..	Grant for Minor Works the estimated cost of which does not exceed Rupees 2,500 each.	..	..	15,000	88	
Do. ..	89	..	Repairs	..	..	10,000	89	
			Total, Salt Works ..	..	..	1,97,550		
			Miscellaneous Public Improvement.					
Kistna ..	90	False Point. Divi.	Construction of beacon ..	..	..	5,540	90	Estimate awaited. Item No. 50 of budget of 1878-79.
Tinnevelly ..	91	Muttum ..	Do. of light-house ..	..	..	75,000	91	Do. Item No. 51 of do.
						80,540		
	92	..	Grant for Minor Works the estimated cost of which does not exceed Rupees 2,500 each.	..	..	2,500	92	
	93	..	Repairs	..	..	2,000	93	
			Total, Miscellaneous Public Improvement.	..	..	85,040		

STATEMENT showing the Probable Amount that will be required in the Madras Presidency on account of Imperial Works, &c., for 1879-80 under each head of Service.

—	Original Works.			Repairs.	Establishment.	Tools.	Total.
	Major Works.	Minor Works.	Total.				
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Military	5,00,000	1,50,000	6,50,000	2,50,000	2,25,000	22,500	11,47,500
Other Services.							
Postal Buildings	58,500	9,000	67,500	5,000	16,875	1,687	91,062
Telegraph do.	1,10,000	10,000	1,20,000	5,000	31,250	3,125	1,59,375
Salt Works	1,72,550	15,000	1,87,550	10,000	49,387	4,938	2,51,875
Miscellaneous Public Improvement.	80,540	2,500	83,040	2,000	21,260	2,126	1,08,426
	9,21,590	1,86,500	11,08,090	2,72,000	3,43,772	34,376	17,58,238

No. 199-B. Order thereon, 15th October 1878, No. 4,020 W.

Ordered that the Schedule of Funds required for Imperial Works under Roads and Buildings, in 1879-80, be forwarded to the Government of India and also circulated to Superintending Engineers, who will lose no time in preparing and submitting the necessary plans and estimates for all works for which estimates are awaited.

2. Unless plans and estimates are duly submitted before 15th December next, when the Preliminary Issue of the Budget will be completed for submission to the Government of India, appropriation of funds cannot be relied on.

(Here enter No. 4,021 W, dated 15th October 1878.)

(True Extract.)

Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Military Department.
" Revenue do.
" Financial do.
" Examiner of Public Works Accounts.

Exd. E. C. Shunker.
Spare Copies

GENERAL.
ACCOUNT.

☆

Govt. of (1878) Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,
&c., &c., &c.

Dated October 1878.

Issued

Recd. Recd.

G. O. 15th October 1878, No. 4,020 W.

OCTOBER.

Nos. 199-A-199-B.

Schedule of Funds required for Imperial Works under Roads and Buildings 1878-80 [illegible] to be forwarded to the Govt. of India.

6

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 4,021 W.

No. 199-C.

FROM

THE SECRETARY TO THE GOVERNMENT OF MADRAS,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

SIR,—With reference to letter, No. 668 A.—G., from the Deputy Secretary to the Government of India, I am directed to forward a Schedule of the Imperial requirements on account of Public Works under Roads and Buildings for the year 1878-79.

I have the honor to be,
Sir,
Your most obedient servant,

Colonel, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
15th October 1878.

Exd. E. C. Shunker.
Spare Copies

b

GENERAL.
ACCOUNT.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

THE SECRETARY TO THE
GOVERNMENT OF INDIA.

Dated October 15th.

Issued

Recd. Encl.

G. O., 15th October 1878, No. 4,021 W.

OCTOBER.

No. 199-C.

FORWARDING Schedule of Funds for Imperial Works under Roads and Buildings 1879-80.

No. 54

District Engineer's Office Ganjam
Chetterpore
4th September 1878

From

The District Engineer
Ganjam

To

The Secretary to Government
P. W. D.
Madras

Sir,

Encls. 2 Lists

In reference to your Memorandum of 10 August 1878 No. 457 T. I have the honor to submit herewith 2 Lists of Salt works, in parts Nos 1 and 2, required to be undertaken during 1879-80, prepared in communication with the Salt Dy Collector. The Department having been passed into the hands of the Salt Commissioner of Salt Revenue from the Collector from 1st July last, the necessary information has been obtained from the former Officer.

2. Similar Provision has also been made in the Imperial Budget Estimate of P. Works submitted to you for your approval.

I.

I have the honor to be
Sir
Your Most Obt. Servant

D Smith
District Engineer Ganjam

D.W. 1898 Sept

No. 10,221

From

The District Engineer
Ganjam

To

The Secretary to Govt.
D.P.W.
Madras

Dated 4th } September 1878
Despd 4th }
Recd 13 ——

No. 51
Encls. 2.

Salt Works — Submits two Lists in parts 1 & 2 of the — for 1879-80.

B. No. 199 A, B, C

Rets 30-10-78
To Goty 1-10-78
Recir 17-10-78
Cir 5-10-78
Ret. 28.10.78
Retd 16-10.78

Imperial
Building & Roads

Madras Presidency
Ganjam District

Government of Madras

Part I

Detail of the Budget Estimate of Original Works. Imperial Buildings and Roads for the year 1879-80.

Head of Classification.	Executive Division	Locality	Item No.	Projects and Works.	Amount of Estimate	Outlays: Actual to end of 1877-78	Outlays: Probable during 1878-79	Grant 1879-80: Normal	Grant 1879-80: Special	Item No.	Remarks and References.
				Other Services Civil Buildings							
Salt	Berhampore	Ganjam & Hooma	1	Removing and reconstructing Police Huts near Ganjam & Hooma salt pans		"	"	2000	"	1	Plans & Estimates are under preparation at the request of the Salt Dy Collector in his letter No. 234 of 11th July 1878.
	Do.	Ganjam	2	Constructing Masonry bridge in lieu of the wooden bridge between Ganjam Pans and Chilka Canal	3800	"	"	3800	"	2	Plans & Estimates have been submitted to the salt Commissioner thro' the Collector of Ganjam on the 23d August 1878.
	Do.	Do.	3	Cutting a channel from Dt around No. 2 Plat form on to old Engineers Channel	345	"	"	345	"	3	Plans & Estimates have been submitted to the Salt commissioner by the Ag Salt Dy Collector.
	Chicacole Do.	Nowpada	4	Constructing a Bungalow for the use of the Police Inspector		"	"	1000	"	4	This was proposed by the Ag. Salt Dy Collector, but no request has been made to this office by him for Plans & Estimates.

District Engineers Office Ganjam
Chetterpore
4th September 1878.

District Engineer Ganjam

Mr 10221/98
2

Imperial
Buildings and Roads

Madras Presidency
Ganjam District

Government of Madras

Part II

Detail of the Budget Estimate for Repairs - Imperial Buildings and Roads for the year 1879.80

Head of Classification	Division	Locality	Item	Estimate 1879.80 Amount	Estimate 1879.80 Total	Estimate 1878.79 Amount	Estimate 1878.79 Total
			Other Service Civil Buildings				
Salt	Berhampore	Ganjam	Maintaining wooden Bridge across Careegadda till the masonry Bridge completed	200			
Do		Ganjam	Repairing masonry Works over salt roads & Channels	500			
Do		Ganjam & Surla	Annual Maintenance to salt Cutcherries	200			
	Chicacole	Nowpada & Oomeravilly	Do Do	200			
					1100		

District Engineers Office Ganjam
Chetterpore
4th September 1878

Shaw
District Engineer Ganjam

PW 10221/78

NO. 1858 **Roads and Buildings.**

FROM,

THE ~~OFFG. SUPERINTENDING~~ Ag District ENGINEER

GODAVERY DISTRICT.

TO,

THE CHIEF ENGINEER

FOR ROADS AND BUILDINGS.

Enls. 1
Copy of letter
No 54 of the
23rd August 78
from the Asst
Salt Deputy
Collector.

~~CAMP~~ DOWLAISHWERAM, 9th September 1878

Recd

SIR,

With reference to your Under Secretary's Memorandum No 457 I of the 10th ultimo calling for a list of salt works to be carried out by the PW Department in 1879-80, I have the honor to forward herewith copy of a letter received from the Salt Deputy Collector Godavari, from which it will be seen that, the only work included in the list of works to be executed by this Department in 1879-80, sent by him to the Commissioner of Salt Revenue at Madras, is "Metalling and gravelling salt roads to the extent of Rupees 3,000".

I have the honor to be,

Sir,

Your Most obedient Servant

C. W. Wybrow. Ex. Engr.

For Ag District Engr. Godavari.

Compd. G.B.

Roads and Buildings

No 10313

FROM,

As District
THE ~~OFFG. SUPERINTENDING~~ ENGINEER

GODAVERY DISTRICT.

TO,

THE CHIEF ENGINEER

FOR ROADS AND BUILDINGS.

DATED
RECEIVED 9th } September 1878.

No. 1858

ENCLOSURE. 1

Salt works to be carried
out by the P. W. Department
in 1879-80 - Forwarding
copy of the Salt Deputy
Collector's letter regard-
-ing the -

[illegible]

Enclosure in a letter No. 1858 dated 9th September /80 from the Asst. District Engr. Godavery

Dr 103/3/78

Building and Roads.

Schedule of the probable requirements of the Madras Presidency on Account of Imperial Works for 1879-80.

Executive Division	No.	Projects Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March 1879	Estimate 1879-80	No.	Remarks or Reference
5	1½	5	9	3	3	3	1½	8
			Original Works.					
			Military					
Bellary		Bellary	New pattern punkahs throughout the Barracks 2/13 Light Infantry	.	.	4300		Estimate awaited
do		do	Bakery, Commissariat Deptt.	.	.	5000		do
do		do	Slaughter house and hanging shed	.	.	8000		do
Presidency		Fort St George	Additional Story to the Quarters occupied by the Commissary of Ordnance	9220	6490	7000		G. O. No. 1933 W. of 4 Decr. 1877 ~~in abeyance~~
			Carried Over			24300		

			Brought over			24,300	
Presidency	5	Vepsarpardy	Buildings for Press Pumps, with gear for do for granulating pebble, making 8 horse power Engine and 2 boilers at the Gun Powder Factory	"	"	20,000	Estimate awaited
do	6	do	do for charcoal Pulverizing, Sulphur grinding, mixing Machine, 8 horse Power Engine and 2 Boilers at do	"	"	10,000	do
do		do	do for glazing, dusting separating 12 horse Power Engine and 2 Boilers at do	"	"	40,000	do
do		do	Building for six Mills (including Engine house, Chimney Boilers, house, Mills rooms, green charge room, watch house for Europeans and Natives, Tramway, Compound wall and road) at the Gun Powder Factory	"	"	30,000	do
do		do	Enlarging Existing quarters of Millmen and Supervisors for residence of Master Worker and Master Refiner at do	10,170	5000	5,200	G.O. No. 23 of 12 June 1871 Item No. 130 class C. Works of Budget of 1878-79
do		do	Upper story to one of the Cooperage Shed, Commissariat Depott	"	"	7,000	Estimate Awaited
do	11	do	Slaughter house, Commissariat Department	"	"	11,000	Estimate awaited
do	12	do	Quarters for Station Butcher do	"	"	3000	do
Chingleput	13	Poonamallee	New double storied barracks for 200 Men with out houses New Quarters for 30 families with do do for Apothecary Alterations to existing buildings and demolitions Deduct value of old Materials	166,885 82,300 7,150 18476 2,74,811 4305 270,506	11,260	60,000	G.O. No. 2316 W of 28th May 1878. Vide No. 2317 W to the Govt. of India.
do	14	do	Double storied Hospital for 90 patients with out houses	102,000	96,000	2,000	G.O. No. 2176 of 18 August 1876
do	15	do	New Cook house fitted with a Duffs Range for the new Hospital	"	"	3,700	Estimate awaited
do	16	Pallavaram	New lines for a whole Native Regiment	"	"	80,000	Estimate awaited
do	17	St Thomas' Mount	General improvements to Commissariat Godowns	"	"	3000	do
do	18	do	Expense Magazine at the Butts near the Gun and Mortar Batteries			5000	do
			Carried Over			304,200	

			Brought Over			304200	
lem	19	Oossoor	Alterations to 40 Horse Stables	"	"	6000	Estimate awaited
ngalore	20	Bangalore	Additional Works in connection with Ulsoor Water Supply Project	66598	52,500	14,000	Sanctioned by Govt of India Register No 35 M. W of 1877-78 G.O. No 589 W of 16 Augst 1877 - Item No 18 of Budget of 1878-79.
do	21	do	Quarters for Quarter Master Sergeant R. H. A. Ulsoor Barracks	4220	"	4220	G.O. No 1640 of 14 June 1875 Item No 1 of Class C. Works of Budget of 1878-79.
do	22	do	Cost of road from Trinity Church to Agram Barracks	9200	"	9200	Sanctioned by the Govt of India Register No 8 M. W of 1874-75 - G.O. Nos 1541 of 11 June 74 & No 683 of 10 March 1875 - Item No 8 of Class C. Works of Budget of 1878-79
do	23	do	Drainage of Native Infantry Lines	14,400	13400	1000	G.O. No 126 of 26 May 1873 Item No 21 of Budget of 1878-79
do	24	do	School for Royal Horse Artillery and Royal Artillery	11,700	"	11,700	G.O. No 1123 W of 19th Octr 1874
do		do	Improvements to Domloor Tank.	Approxt 20,000	10,000	10,000	G.O. No 524 of 25 Feby 1876 Detailed Estimate awaited. Item No 17 of Budget of 1878-
do	26	do	New Wall round Forage Yard of the Royal Horse Artillery	"	"	2500	Estimate awaited
do	27	do	Cart Shed 90×25 at Karkhana, Commissariat Department	"	"	4500	do
do	28	do	Quarters for a Staff Sergeant of the Commissariat Department at or near the public Cattle line, Bangalore	"	"	4000	do
do	29	do	Do for School Master & School Mistress European Infantry	"	"	7,000	do
do	30	do	New Armourers Shop, Parade Barracks	"	"	5,400	do
do	31	do	Quarters for Band Master Sergeant Cavalry.	"	"	5000	do
do	32	do	Do — Do — European Infantry	"	"	5000	do
do	33	do	Sifting room, Commissariat Depot	"	"	4000	do
ichinopoly	34	Trichinopoly	Extending Barrack accommodation for the Royal Artillery	4000	"	4000	G.O. No 1870 of 24 July 1876. Item No 2 of Class C Works of Budget of 1878-79.
			Carried Over			401720	

			Brought Over			401,720	
ichinopoly	35	Trichinopoly	Central School for the Battery and Detachment, European Infantry for Men & Children of both Services	„	.	12,200	Estimate Awaited
do	36	do	Guard Room, Lock up and 3 Cells for Detachment British Infantry including Wash-house and Privy	.	.	14,000	do
do	37	do	Plunge Bath for Detachment British Infantry	.	.	3000	do
do	38	do	Gymnasium for Battery of Artillery	.	.	11,800	do
ilgiris		Wellington	Bath rooms to Wash-houses	3,120	.	3000	G.O. No 1472 of 4th June 1874 Item No 5 of Class C. Works of Budget of 1878-79
do	40	do	New Latrines on Dry Earth System	3750	.	3,750	G.O. No 999 of 25th March 1874. M.D.
do	41	do	Timber bridge over the Waterloo Stream	12,200	15,334	10,000	G.O. No 941 W of 9th Oct 1877 – Revised Estimate under consideration.
Malabar		Cannanore	Painting doors & Windows of Barracks, Married Quarters & out houses, European Infantry Regiment	4430	.	4430	G.O. No 1866 of 3rd July 1875. Item No 3 of Class C Works of Budget of 1878-79.
do	43	do	Two Additional Staff Serjeants quarters for European Infantry Regiment	„	„	7000	Estimate Awaited
do	44	do	Latrines & Dry Earthwork Stores for the Native Infantry Regiment	,	„	7100	do
do	45	do	Double Skittle Alley for European Infantry Regiment	„	.	5,000	do
do	46	do	Converting one of the disused Artillery Stables into a Bakery for the use of the troops	„	„	7000	do
do	47	do	Punkahs for European Regiment	„	.	10,000	do
						500,000	
	48		Grant for Minor Works the Estimated Cost of which does not exceed Rs 2500 each		„	150,000	
	49		Repairs			250,000	
			Total Military			900,000	

Original Works
Civil Buildings
Postal Buildings

Nilgiri	Kotagiri	New Post Office			3,500	Estimate Awaited
	Ootacamund	New Post Office			5,000	Estimate in circulation
Presidency	Madras	New Post Office	245,010		50,000	Sanctioned by Govt. of India Register No. 36 B of 1876-77 G.O. No. 1138 of 8th May 1876.
					58,500	
		Grant for Minor Works the Estimated Cost of which does not exceed Rs. 2500 each			9,000	
		Repairs			5,000	
		Total Postal Buildings			72,500	

Telegraph Buildings

Presidency	Madras	Telegraph Office	257,192		100,000	Sanctioned by Govt. of India Registered No. 36 B of 1876-77 G.O. No. 1138 of 8th May 1876.
Nilgiri	Ootacamund	Telegraph Office (To be combined with Post Office)			10,000	Estimate Awaited do — in circulation
					110,000	
		Grant for Minor Works the Estimated Cost of which does not exceed Rs. 2500 each			10,000	
		Repairs			5000	
		Total Telegraph Buildings			125,000	

Salt Works

Ganjam	59 Ganjam	Removing and reconstructing Police huts near Ganjam and Aoona Salt pans	″		2000	Estimate Awaited
do	60 do	Constructing Masonry bridge in lieu of the wooden bridge between Ganjam Pans & Chilka Canal	″		3800	do
Kistnah	61 Pondraca	Police Lines	4,500	2000	2500	G.O. No. 3028 W of 29th July 1878. Item No. 33 of Budget of 1878-79
do	62 Masulipatam	Ditto	3562	2000	1560	G.O. No. 3028 W of 29th July 1878. Item No. 32 of Budget of 1878-79
		Carried Over			9860	

			Brought Over			9860	
stnah		Chinnaganjam	Police lines	4582	2000	2580	G.O. No 3028 No of 29 July 1878 Item No 31 of Budget of 1878-79
do		do	Salt Kacheri	"	2000	1000	Estimate awaited - Item No 35 of Budget of 1878-79
do		Nizampatam	Improvements to Salt Kacheri	"	2000	1260	Estimate awaited. Item No 34 of Budget of 1878-79-
do		Masulipatam and Mungamapudi	Excavating a Navigable Canal from Masulipatam to Salt Cottar at Mungamapudi	68580	"	20,000	G.O. No 188 d/26-10-74 R.D " 173 d/ 23-11-74 P.W.D G.O. No 1598 of 19/9/74 R.D " No 43 of 11/1/75 R.D G.O. No 2081 of 8 August/77 P.W.D
Nellore		Tummalapenta	Making a road from the trunk road near Kavali to Tummalapenta Salt platform	"	15,000	8500	Estimate awaited-
do	68	Duggarazapatam	Constructing new Police lines for the Salt guard	4200	3100	1100	G.O. No 3428 of 3 Decr/75 Boards Pro No 2057 of 4 August/75 Item No 36 of Budget of 1878-79
do	69	Beerangunta	Making an approach to the north platform	"	1000	3000	Estimate awaited - Item No 37 of Budget of 1878-79
do		do	Making an approach from Beerunguntu to Devarampadu	"	1000	3000	Estimate awaited Item No 38 of Budget of 1878-79
do	71	do	Palisade with stone pillars in Chunam and palmyrah rails to three Salt platforms	"	1040	3000	Estimate awaited. Item No 39 of Budget of 1878-79
do	72	Ramparthy	Salt road from 198th mile of Great Northern Road to Ramparthy	"	"	5000	Estimate Awaited
Chingleput	73	Ennore	Bar including groyne Work	"	"	17,000	do
do	74	Covelong	Rebuilding the Salt Superintendent's Office on the Beach	"	"	2500	do
South Arcot		.	Repairing and improving the Kandadu lattice bridge	"	"	9000	Estimate awaited Called for in G.O. No 2546 No of 17 June 1878.
do	76		Head Sluice to the Ennumanpet Brine supply Channel	"	"	2000	Estimate Awaited
Tanjore	77	Negapatam	Constructing Police huts for one Head Constable and twenty Constables	7620	"	7600	G.O. No 2921 No of 19 July 1878
			Carried Over			96,400	

			Brought Over			96,400	
Malabar		Cannanore Eticolum Madai Billiapatam Edacaad Tellicherry Coorg	Constructing of Salt preventive Police Stations at Rs 900 each	.	.	6300	Estimate Awaited
do		Badagarai Trikodi Tilandi Chombala	do four do at Rs 900 each	"	.	3600	do
do		Tanur Peroni Ponani Tirur Edakateyoor Chetwaye Papanivattam Valapaad Madylagum Calicut Beypore Perpangadi	do twelve do at Rs 800 each	.	.	9600	do
Madura	81	Tiruvana Adapatam Attengarai	Masonry buildings for Salt Division Offices each at Rs 1900	3800	1900	1900	Pro: of the Board of Revenue No 9023 of 5 Oct/75 No 854 of 28 March 1876 & No 4316 of 26 May 1876 Item No 46 of Budget of 78/79
do	82	Attengarai	Cutting a Channel from the Sea to the pans for supplying Sea Water for the manufacture of Salt	"	2000	2000	Estimate awaited Item No 48 of Budget of 1878-79
do	83	Morecolum	Construction of Tunnels and Side drains on the Cross road from Morecolum Station to the road between Madura & Ramnaad	3450	2000	1450	Pro: of the Board of Rev: No 3414 of 26 April 1875, Item No 47 of Budget of 1878-79
Godavari	84		Metalling and gravelling Salt roads in the Godavari District	"	"	3000	Estimate Awaited
	85		Canal from the Cocanada Canal to the Salt pans	104,090	.	40,000	G.O. No 2716 of 17/10/78 & No 206 of 22/1/77 G.O. No 1238 W of 11. 3. 78
			Carried Over			164,250	

	Brought Over			164,250	
Veterinary	Huts for 2 head Constables and 19 Constables	8310	2000	6300	G.O. No 2804 W of 12th July 1878 – Item No 43 of Budget of 1878-79.
Ruthamundy	do for One do and 9 do	5540	3500	2000	G.O. No 813 W of 18th Feby 1879 Item No 44 of Budget of 1878-79 –
				172,550	

Grants for Minor Works the Estimated cost of which does not Exceed Rs 2,500 each	15,000
Repairs	10,000
Total Salt	197,550

Miscellaneous Public Improvement.

Kistnah	False Point Divn	Construction of Beacon	5540	Estimate awaited. Item No. 50 of Budget of 1878-79
Tinnevelly	Muttum	Do. of Light house	75,000	Do. Item No. 51 of Do.
			80,540	
		Grant for Minor works, the Estimated cost of which does not exceed Rs 2500 each	2500	
		Repairs	2,000	
		Total Mis. Pub. Improvement	85040	Something wrong? R.P. 31/10

Statement showing the probable amount that will be required in the Madras Presidency on account of Imperial Works &c. for 1879-80 under each head of Service

	Original Works			Repairs	Establishment	Tools	Total
	Major Works	Minor Work	Total				
Military	5,00,000	1,50,000	6,50,000	2,50,000	2,25,000	22500	11,47,500
Other Services							
Postal Buildings	58,500	9000	67,500	5000	16,875	1687	91,062
Telegraph do	1,10,000	10000	1,20,000	5000	31250	3125	159375
Salt Works	1,72,550	15,000	187550	10,000	49387	4938	251875
Miscellaneous Public Improvement	80,540	2,500	83,040	2000	21260	2126	1,08,426
	9,21,590	1,86,500	11,08,090	2,72,000	3,43,772	34,376	17,58,238

P. W. Dept.

Note.

List C shows in abstract the sums asked for from the Government of India as compared with what the Military Department require. The aggregate for New Works in this Office Statement is 5 lakhs - quite as much as we may ever hope for from the Govt. of India.

One item entered in the Statement (Military) No 59 has been stopped - the question is under discussion.

The works proposed by

by the Military Authorities to be carried out when funds are available are omitted from the Office statement but will be found in Class C statement.

District Engineers will be called upon to expedite the submission of estimates for the unsanctioned works entered in the Schedule.

4117 5/P

Buildings and Roads

List of such Works as would come under Class C in Government of India Circular No. 43 P.W. dated 18th July 1874 to accompany the Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1879-80.

		Projects						
Executive Division	No.	Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March 1879.	Probable Estimate 1879-80	&c.	Remarks or References.
			Original Works Military					
Bellary	1	Bellary	Wheelers and Collar Makers' Shop, B 16th Royal Artillery	.	×	7,000		Estimate awaited.
do.	2	do	Store Room do	.	×	5,500		do
do	3	do	Smooth plastering to interior of Walls of Barracks and Nos: 1 & 2 Ranges of Married Qrs do	.		2,700		do
			Carried over			15,200		

			Brought forward			15200	
Bellary		Bellary	New Hospital and Latrines, 4th (R.W.O.) Light Cavalry			20,100	Estimate awaited.
do	5	Ramandroog	Canteen, Commissariat Dept			3000	do
do	6	do	Staff Serjeants Qrs and orderly Room			7000	do
Presidency	7	Fort St George	Erecting a covered Gymnasium over the Ball Alley of the European Regt			2,500	do
do	8	Madras	Corrugated roof to one of the Sheds now used as the painters' Shop at the Gun Carriage Factory			5,500	do
Chingleput	9	St Thomé Mount	Stables for Horses for the two Batteries			89,190	GO no 1892 of 25th June 1867. Revised Estimate Called for in GO no 2653 A of 6th Nov 1868.
do	10	do	Swimming Bath for the new Barracks	12,600		12,600	GO no 2668 of 17 Nov: 1866.
Bangalore	11	Bangalore	Drainage of Agram Barracks	40400	19290	20,000	India Register No 80 M. W. of 1874-75. GO no 311 of 10th Febry/74 & No 683 of 10 March/75.
do	12	do	Stabling for 182 Horses, Royal Horse Artillery	33,610		33,610	GO no 2920 of 14th Sept: 1868
do	13	do	do for 220 Horses, Royal Artillery (Agram Barracks)	42920		42920	Sanctd by the Govt: of India Register No. 50 M of 1868-69. GO no [illegible] of 13th Nov: 1868.
do	14	do	New Harness Room, Royal Horse Artillery			4,500	Estimate awaited
do	15	do	Tailor's shop, Royal Artillery (Agram Barracks)			4,000	do
do	16	do	Roads & Terracing, Race Course, Cantonment			10000	do
do	17	do	Small Hospital of 8 beds for the European Queens own Sappers & Miners			3,500	do
do	18	do	Saddle room for Mule furniture, Commissariat Department			7000	do
do	19	do	Parapet wall round Barrack limits, European Infantry			7000	do
			Carried over			287,520	

Sanctioned by the Govt. of

			Brought forward	287520	
Bangalore	20	Mercara	New Rifle Range, Native Infantry	3205	Estimate awaited
Trichinopoly	21	Trichinopoly	Ablution room for Detachment British Infantry	5000	
do	22	do	Harness room for the Battery of Artillery	2500	do
do	23	do	Sergeants mess for the Battery of Artillery	3500	do
Malabar	24	Cannanore	Substituting boarded floors for present brick ones in Married Quarters European Infantry Regiment	20570	do
do	25	do	Enlarging ablution rooms European Infantry Regiment	4000	do
do	26	do	European Hospital for Troops to be boarded in lieu of Stone flagging	6500	do
do	27	do	Two additional rooms for Commissariat Office	10000	do
do	28	do	Asphalting floors, fitting up arch way and removing partition wall in School room European Infantry Regiment	3800	do
do	29	Calicut	Additions and alterations to Commissariat Stores	4130	do
do	30	do	Quarters for a Commissariat Staff Sergeant	4000	do
do	31	Quilon	Rise lines with tiled roof for a Native Infantry Regiment	120000	do
South Canara	32	Mangalore	Three latrines in lieu of the three imperfect ones for the Native Infantry Regiment	2700	do
				477425	

Mem No. 1 entered
" 2 Rs 12,000 for Rs 12,320 entered
" 3 omitted
" 4 entered
" 5 entered
" 6 Rs 11,800 for Rs 11,900 entered
" 7 omitted
" 8 do
" 9 do
" 10 do
" 10/a do
" 10/b do
" 11 entered
" 11/a omitted
" 12 entered
" 13 do
" 14 omitted
" 15 do
" 16 entered
" 17 omitted
" 18 entered

Item No. 19 one entered
" 20 Omitted
" 21 — do —
" 22 — entered
" 23 Omitted
" 24 Rs 5,000 for 5,400 entered
" 25 Omitted
" 26 entered
" 27 }
" 28 } Omitted
" 29 do
" 30 balance of estimate entered
" 31 entered
" 32 omitted
" 33 entered
" 34 omitted
" 35 do
" 36 entered
" 37 10,000 for 7,000 entered
" 38 omitted
" 39 entered
" 40 — do ~~2,500~~
" 41 }
" 42 }
" 43 } Omitted
" 44 }

Item No. 45 }
" 46 } entered
" 47 omitted
" 48 entered
" 49 Omitted
" 50 }
" 51 }
" 52 } entered
" 53 }
" 54 Omitted
" 55 entered
" 56 Rs 3,000 for 3,120 entered
" 57 Rs 10000 entered for Rs 12,400
" 58 entered
" 59 ~~entered~~ vide C.S. No. 765 of 12.2.78 — see C.E. No. 2506
" 60 Omitted
" 61 Rs 20,000 for Rs 57,000 entered
" 62 " 10,100 " " 16,500 entered
" 63 " 40,000
" 64 " 30,000 for " 96,700 entered
" 65 " 5200 for " 50,000 entered
" 66 Omitted for 2,550 entered
" 67 Instead of Poodoopett, Palaveram entered

Item	No. 68	entered
"	69	do
"	70	do
"	71	do
"	72	Omitted
"	73	do
"	74	entered
"	75	do
"	76	do
"	77	do
"	78	entered
"	79	do

A C

? are both 68 & 71 required?

P.W.D. 31

With Reference to His Grace the Governor's Remarks the Chief Engineer has the honor to point out that the Schedule called for by the Govt. of India includes all Heads under Imperial i.e. Military, Postal, Telegraph, Salt Works, Miscellaneous Public Improvement. The total amount of the Schedule for works and Repairs is Rs. 13,80,090. The amount for Establishment and Tools are simply resulting entries being calculated

I believe a careful scrutiny will bring the demand down to 3 or 4 lacs for real necessities — it must be borne in mind that number of married men will be less under short service & that British strength in Presidency is diminishing — That therefore less European family Hospital accommodation will be reqd at a fixed percentage. The statement at the end of the Schedule gives the particulars of Estimate under all Heads. The total demand is Rs: 20,518 more than last year.

The Schedule is prepared from the lists of requirements supplied by Heads of Departments. A full statement of the requirements of the Presidency is submitted to the Govt. of India who having received similar statements from all Provinces make a certain appropriation to the Madras Government. Other Governments

Recd
28/10

will in all probability submit full statements and thus if this Government submits a reduced statement its assignment will likely be proportionately reduced.

without these
Government
they furnish any
[illegible] what is not
by [illegible]

In the preparation of the Budget attention will be paid to His Grace's remarks and preference given to all works essential for the Health and Comfort of the soldiers, as soon as the amount to be Budgetted for is known. In communication with Heads of Department the Schedules will be carefully scrutinized and all works not immediately necessary eliminated and the

Budget submitted to Government as usual in due course. WH 16-10-78

EAT 16/10

His Grace the Governor

Circ 17-10-78 · Dd 25-10-78
1-10-78

The amount of the Military demand in these papers is so large that I think we cannot pass them on without comment.

I would have much preferred reducing the demand first - but this requires discussion & reference - and the papers only reach me - [illegible] at a time they should be in Calcutta.

The demand is as I understand the papers for R. 16,31,921 - or deducting 341-589 which is stated to be

needed when funds are
available - it is R 12,90,322

The magnitude of
this demand as to call
for the most careful
scrutiny - Even if Finances
were in ~~the~~ a flourishing
condition this demand
could not be accepted -
and as far as the examination
I have been able to make
of the items I am satisfied
that however desirable
many of the proposed
works may be they
are not essential to health
or ~~necessary~~ to the
necessary comfort of the
soldier - I would

propose that they be sent
forward with the remarks
that the lists have been
sent as submitted in order
to avoid delay. but that
the Govt. propose making
a further communication
very shortly with reference
to the very large demands
of the Military dept.
which they consider excessive
& the necessity of which
for the health & reasonable
comfort of the army is
not established

12/10

No. 54. Cocanada, 28th August

From,

P. Pundarikakshudu
Ag Salt Dy Collector
Godavari.

To,

G. T. Walch Esquire
Ag District Engineer
Dowlaishvaram

Sir,

Your letter of the 20th Instant N 1638 to the Collector having been transf to me for disposal, I have the honor inform you that in the list of works be executed by your Department in 18 1880, sent by me to the Commissioner Salt Revenue at Madras who is now in charge of the Salt Department, put in only the following work.

"Metalling and gravelling
Salt Roads Rupees 3,000".

2. I have sent a copy of your lett and my reply thereto to the Commissio for instructions.

These I will communicate whe received.

I have &c &c

(Sd) P. Pundarikakshud
Ag Dy Collector

(True Copy)

Exc: Engr.
For Al District Engr. Godavari

Compd. G.B.

PW 10238/78

Extract from Schedule of Works required by the Tele ph Department during the Year 1879/80.—

Province	Division of Public Works	No. of work	Name and Locality of proposed work	Amount of Estimate	Amount if any to be expended up to 31st March 1879	Amount required during ensuing	Remarks
Madras	Consulting Architect	1	Telegraph Office Madras	2,57,192	—		This project has been before Government since 1871/72 but there has been delay in settling upon a suitable design and no funds have hitherto been available for the work. It is very desirable however that the building should be taken on hand without further delay, if possible, and in [illegible] view a sum of [illegible] 000 is asked for it in 1879/80.—
Do.	Nilgiri District	2	Telegraph Office Ootacamund	"	"	10,0	The necessity for this work has been explained in past Schedules. In 1876/77 an allotment of Rs 10,000/- was made but subsequently withdrawn vide Public Works Department Resolution No. 104-16 A T dated 28th June 1876. A grant of a like sum was made in 1877/78 but the plan and Estimate for the project not being ready it lapsed and financial restrictions prevented any assignment of funds for the works in the following year. The present arrangements for accommodating the Telegraph Office and Establishment at Ootacamund are very unsatisfactory and objectionable and a grant of Rs 10000 is again applied for pending the decision of the Madras Government as to the design and cost of the required building.—

True Extract.

R Murray Colonel,
Offg. Director General of Telegraphs in India

M

Con

37

Nos. 649-60A—G.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ACCOUNT:

General.

Simla, September 9th, 1878.

Forecast of expenditure on Productive Public Works, Irrigation and State Railways, during the five years ending 1883-84.

Read the following—

RESOLUTION BY THE GOVERNMENT OF INDIA, FINANCIAL DEPARTMENT, No. 1514, DATED 8TH JULY 1878.

Read—

A docket by the Assistant Secretary to the Government of the North-Western Provinces, Public Works Department, No. $\frac{\text{L. B.}}{10\frac{3}{4}\text{ A.}}$, of the 5th March 1878, forwarding, for the information of the Government of India in this Department, a letter, addressed to the Government of India in the Public Works Department, No. 167 L. R., dated 5th March 1878.

Read also—

A letter from the Secretary to the Government of the North-Western Provinces and Oudh, No. 132B., dated 13th March 1878, addressed to the Government of India in the Financial Department, sending copy of the same letter for consideration with reference to paragraph 11 thereof.

RESOLUTION.—With this letter the Government of the North-Western Provinces send, for the approval of the Government of India in the Public Works Department, a scheme for the construction of light railways in the North-Western Provinces and Oudh; and, in paragraph 12, asks for a grant of not less than 20 lakhs of rupees to be expended on this scheme in 1878-79, and thereafter of 40 lakhs a year.

2. The Lieutenant-Governor, after making careful enquiry, is of opinion (see paragraph 11, of which consideration is specially asked in the letter No. 132B., received separately in this Department) that he will be able to guarantee the interest on these advances, provided that the Government of India will leave him, from the License Tax Act, II of 1878, the amount realised during 1877-78 under the Provincial Act VIII of 1877.

3. Since these letters were written, the financial arrangements for the year 1878-79 have been published, as a part of which, 15 lakhs of rupees have been provided for railway construction (Cawnpore and Farakhabad Line) in the North-Western Provinces during 1878-79; and the proportion of the License-tax in the North-Western Provinces and Oudh to be contributed for Famine insurance has been settled.

4. Before the Government of India in the Financial Department can take into consideration the further demands contained in these letters, it must know—(1) the amount which the Government of the North-Western Provinces will require during the next five years for works of irrigation; (2) the amount which the other Local Governments desire to spend during the same period on productive works (Railways and Irrigation); and (3) the amount which the Imperial Public Works Department expects to spend on works of this class for which no Local Government will be responsible. As soon as all the demands of the Imperial Public Works Department and of all the Governments are known, the Government of India will distribute the funds which it expects to have at its disposal as may seem most desirable for the general interests of the country. The demands here referred to are exclusively those to be met from Imperial funds, independently of any funds which the Local Government may expect to raise by Local Debenture Loans, which last may, for the present, be regarded as available in addition to the Imperial grants.

5. Meanwhile, the procedure adopted in the present instance seems to the Governor General in Council to make it necessary for him to issue some general instructions upon certain points of fundamental importance for the successful working of the system of Provincial Finance introduced in 1870 and now in course of development.

6. The basis of that system is financial; the Local Governments being placed, in respect of their Provincial revenues, under certain pecuniary liabilities, while their administrative powers in relation to public expenditure have been extended. The Government of India has not contemplated the abrogation of the constitutional responsibility imposed upon it, of exercising a general executive supervision over the proceedings of the Local Governments in the

collection of the revenues and the administration of the services entrusted to their quasi-independent care: but it is essential that there should be no confusion as to the financial relations between the Government of India and the Local Governments, which constitute the essence of the new system.

7. This is especially important in regard to productive public works, as to which the financial obligations of the Local Governments are especially serious. These works, though planned by the professional advisers of the Local Government, must be subjected to the general professional supervision of the Government of India in the Public Works Department: but the main connection between the Local Governments and the Supreme Government in respect of them will, henceforth, be financial; and it is of the highest importance that the nature of this financial connection be in no way obscured.

8. The fundamental principle laid down is, that if the productive works which a Local Government desires to construct have satisfied the Secretary of State as to the general conditions applicable to such works, then, subject to the general professional superintendence of the Government of India in the Public Works Department, and within the practical limits which must regulate the supply of the necessary funds, the Local Government will be authorised to undertake the works; provided only that it is able to give a valid guarantee to the Imperial Treasury against any financial failure.

9. Hence it becomes necessary that the financial relations of the Government of India and the Local Governments in respect to these works should be controlled and guarded on considerations distinct from those dependent on their professional character. The question how far the provincial finances are in a position to support the obligations arising out of any system of works, concerns only, and will be dealt with in the Financial Departments of the Local and Supreme Governments. The Public Works Department will confine themselves to the professional question relating to the works, including their profitable character, the general arrangements under which it is proposed to carry them out, and the relative importance of the works projected, comparing one with another, or the requirements of one Province with another. The Public Works Department will also be responsible for watching that the several works are able to satisfy the financial conditions on which they were sanctioned.

10. To ensure attention to this in future, the following rules are prescribed:—

(1) No proposals involving financial liabilities on the provincial revenues should be made by any Local Government without careful independent consideration and assent in its Financial Department.

(2) Proposals submitted to any Department of the Government of India, involving any expenditure, excepting for the construction of public works, should always emanate from the Financial Department of the Local Government, and be transmitted, with any needful remarks, by the Department of the Government of India addressed, for consideration in the Financial Department of the Government of India.

(3) Proposals submitted to the Government of India for the construction of public works should emanate from the Local Public Works Department. But they should be accompanied by the review of the Local Financial Department; and all preliminary discussion necessary for the proper elucidation of the professional, remunerative, and administrative aspect of any matter under consideration, would be carried on between the Public Works Department of the Local Government and of the Government of India.

11. Every proposal submitted by a Local Government in the Public Works Department, involving such financial considerations as to require the eventual assent of the Government of India in the Financial Department, should have been previously reviewed in the Financial Department of the Local Government, and copies of the proposal as submitted from the Local Public Works Department, and of any resolution taken thereon in the Local Financial Department, should be simultaneously forwarded to the Government of India in the Financial Department from the Local Financial Department, so that, should the occasion require, the Financial Department of the Supreme Government may discuss the financial points raised, independently, with the Financial Department of the Local Government.

12. Lastly, all orders issued by the Government of India in the Public Works Department relative to the prosecution of works must be understood, as heretofore, to have been given subject to the general financial rules laid down for the guidance of Local Governments; and no administrative instruction should be regarded as conveying authority for the disbursement of funds, regular financial sanction for which has not been given.

Ordered, that a copy of this Resolution be forwarded for information and guidance to all Local Governments and Administrations, in the Financial Department. Also to the Public Works Department of the Government of India, in order that the statements of requirements during the next five years, as described in para. 4, may be obtained and presented for joint consideration with this Department. Also to the other Departments of the Government of India for information.

Order.—Ordered that the foregoing Resolution of the Financial Department be forwarded to the Local Governments and Administrations noted in the margin, for information and guidance, with the request that the forecast of expenditure required by para. 4 of the Resolution above read, for Productive Irrigation Works and State Railways, may be submitted to the Government of India at the earliest practicable date. The forecast should be prepared so as to show the expected outlay on each project during the five years for which the information is wanted, with additional columns showing the sanctioned or estimated cost and the computed outlay on such project to end of 1878-79.

The Governments of Madras and Bombay, in the Public Works Department, Irrigation and Railway Branches.

The Governments of Bengal, North-Western Provinces and Oudh, and Punjab in the Public Works Department, Irrigation and Railway Branches.

The Chief Commissioners, Central Provinces, British Burmah, Mysore and Coorg, and Assam.

The Resident, Hyderabad.

The Agents to the Governor General, Rajputana and Central India.

If there is any projected capital outlay on Harbours or Works of Navigation, it should be shown in a supplement, or separately in some way or other.

W. A. CROMMELIN, Major Genl., R.E.,

Secy. to the Government of India.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ACCOUNT.

General.

To

Nos. 649-60A—G.

Dated Simla, September 9th, 1878.

Received

Circ 10440

Forecast of expenditure on Productive Public Works, Irrigation and State Railways, during the five years ending 1883-84.

Govt. C. B. Press, Simla—No. 103, P. W. D. A. B.—11-9-78—240.

No. 668A—G.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ACCOUNT.

General.

To

The Governments of Madras and Bombay, in the Public Works Department, General and Irrigation Branches.
The Governments of Bengal, North-Western Provinces and Oudh, and Punjab, in the Public Works Department, General and Irrigation Branches.
The Chief Commissioners, Central Provinces, British Burmah, Coorg and Assam.
The Resident, Hyderabad.
The Agents to the Governor General for Central India and Rajputana.
The Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.
The Inspector General of Military Works.
The Agent to Governor General, Biluchistan.

Simla, September 16th, 1878.

Sir,

With reference to P. W. Department Resolution Nos. 422-39A—G, dated 7th August 1873, I am directed to request that the schedules of demands for the Imperial grants that are likely to be required for Public Works for 1879-80 may be submitted so as to reach this office without fail by the prescribed date, *viz.*, the 10th of October 1878.

2. In Public Works Department Resolution Nos. 649-60A—G, dated 9th September 1878, the Government of India has called for forecasts of outlay on Productive Public Works during the five years ending 1883-84, and a similar request is about to be made for forecasts of outlay on Military Works, but these forecasts, I am to say, should not in any way delay the submission of the schedules of demands above referred to. In the absence, however, of such forecasts, it will be well if the demands both of Buildings and Roads and of Irrigation are accompanied by lists of such works as would come under class C in Circular No. 43 P. W., dated 18th July 1874.

3. Under the arrangement extending the Provincial responsibility of the Governments of Bengal and the North-Western Provinces in regard to Irrigation Works, the working expenses of those works are to be provided from Provincial funds. Care therefore should be taken that the schedules of the Governments named do not include provision for those working expenses.

I have the honor to be,

Sir,

Your most obedient Servant,

J. McLeod Innes

Depy. Secy. to the Govt. of India.

To the Secretary to the Govt. of Madras
P.W.D. Irrign. Branch

P.A. 1878 Depo

No. 10707

GOVERNMENT OF INDIA
PUBLIC WORKS DEPARTMENT.
ACCOUNT.
General.

To

No. 668A—G.

Dated Simla, September 16th, 1878.

Received 24

(~~[illegible]~~
(Duplicate Copy retained in the P.W. Secretariat.)

Calls for the submission of the schedule of demands for the Imperial grants that are likely to be required for Public Works for 1879-80, so as to reach this office without fail by the 10th of October 1878.

Govt. C. B. Press, Simla—No. 131, P. W. D. A. B.—17-9-78—190.

to actg 5-10-78
Cir 7-10-78 Retd 16-10-78.

No. 668A—G.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
ACCOUNT.
Gene

To

The Governments of Madras and Bombay, in the Public Works Department, General and Irrigation Branches.
The Governments of Bengal, North-Western Provinces and Oudh, and Punjab, in the Public Works Department, General and Irrigation Branches.
The Chief Commissioners, Central Provinces, British Burmah, Coorg and Assam.
The Resident, Hyderabad.
The Agents to the Governor General for Central India and Rajputana.
The Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.
The Inspector General of Military Works.
The Agent to Governor General, Biluchistan.

Simla, September 16th, 1878.

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I have the honor to be,
Sir,
Your most obedient Servant,

McLeod Innes

Depy. Secy. to the Govt. of India.

To the Secretary to the Govt. of Madras.

GAho 2317W d/ 28 May/78
" " 1933 W " 4 Dec/77
" " 825 W " 1 Octr/77
" " 824 W " 1 " "
" " 589 W " 16 augt "
" " 853 " 16 May "
" " 2221 " 22 augt/76
" " 2220 " " "
" " 1278 " 22 May "
" " 2355 " 21 augt/74
" " 2173C " 29 " /73
CE " 554 " 30 Jany/78

P.W. 1878

No. 10407

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTME

ACCOUNT.

General.

To

No. 668A—G.

Dated Simla, September 16th, 1878.

Received 24th "

Duplicate copy sent

Calls for the submission of the schedule mands for the Imperial grants that are likely required for Public Works for 1879-80, reach this office without fail by the 10th of ber 1878.

Govt. C. B. Press, Simla—No. 121, P. W. D. A. B.—

Cir 5-10-78

TRAFFIC CODE FORM 61.

3.

INDIAN TELEGRAPH.

Local No. 1696

To (Station) Ms.

From (Station) Simla

Words.	Time tendered for transmission, (Madras time.) Day.	H.	M.
16/7	11	13	13.

Official Instructions.—

To (Person) Madras Works.

From Person Works.

Schedule of demands
" 1879-80 not yet
received please forward
at once.

Recd. From (L. L.)
H. M., on the
By

Sent to (L. L.)
At H. M., on the
By

MADRAS 11-10-78

Telegraph M

(P. 1)—Govt. Tel. Press,—No. 1186,—21-2-78,—1000000

28.

P.W. 1878 (D.P.W.)

No. 11452

Recd 11th Octr

11-10-78 Rd to 30-10-78

10-78 Retd 26.10.78

No. 191

Nil

N. B. There are no new works proposed to be undertaken in the ensuing year by the D. P. W.

2. An estimate of Rupees 9170 for repairing the Kandadu lattice Bridge, called for in G.O. No 2546 W. of the 17th June/78, was forwarded to the Commissioner of Salt Revenue on the 3rd August/78, for submission to Govt. with his approval, but if this is not sanctioned and funds granted for the work this year, the amount will have to be provided for in the next years Budget Part II.

3. The Commissioner of Salt Revenue is of opinion that the construction of a Head sluice across the Markanam brine supply channel should be included in the list for the next year; but this does not appear necessary as an estimate of Rs 2000 has already been sanctioned and the work ordered to be carried out from funds to be provided for by the Salt Department in G.O. No 2742 W of the 4th July 1878.

Distt Engrs office South Arcot
Cuddalore 26th August/78

Major, R.E.
District Engineer

To.

The Chief Engineer, D.R.W.
with reference to Memorandum
No 457 T dated 10 August 1878.

ca4

CE No 457 Td 10-8-78
" " 3923 " 2-9 " "
Mis " 2742 W " 4 July 78
" " 2846 W " 17 June "

P.W. 1878 Dept

No. 9590

Roads & Buildings

From
The District Engineer
South Arcot

No 191

Dated 26 }
Desptd 26 } August 78
Recd 28 }

Salt Works – List of … proposed to be carried out in 1879–80. Vide Memorandum No 457 I of 10th August 78.

Received Oct 78 … 21/10

Recd 17.10.78 ; Rtd 28.10.78
Early 1-10-78 ; … 31-10-78
Cir 5.10.78 Rtd 16.10.78

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original
Detail of estimate for repairs for the year 1879-80

54

		Estimate 1879-80		Estimate 1878-79	
		Amount	Total	Amount	Total
		Rs	Rs	Rs	Rs
Ganjam	Repairs to Flagstaff, Obelisks – Baruva	100	100	"	"
	Do – Do – Do – Sonapore	150	150	150	150
Vizagapatam	Do to Lighthouse – Santapilly	100	100	"	"
Godavery	Do – Do – Hope Island	200	200	200	200
Nellore	Do – Do – Armeghon	200	200	200	200
Chingleput	Do – Do – Pulicat	200	200	200	200
Madura	Do – Do – Paumben	200	200	200	200
Tinnevelly	Do – Do – Muttum	100	100	100	100
	Total Rupees	1.250	1.250	1050	1050

Madras
Marine Office
20th September 1878

Deputy Master Attendant in Charge
Administrative Department

44

Duplicate

Detail of estimate for repairs for the year 1879-80

		Estimate 1879-80		Estimate 1878-79	
		Amount	Total	Amount	Total
		Rs	Rs	Rs	Rs
Ganjam	Repairs to Flagstaff, Obelisks Baruwa	100	100	.	.
	Do. Do. Do. Sonapore	150	150	150	150
Vizagapatam	Do. to Lighthouse Santopilly	100	100	.	.
Godavery	Do. Do. Hope Island	200	200	200	200
Nellore	Do. Do. Armeghon	200	200	200	200
Chingleput	Do. Do. Pulicat	200	200	200	200
Madura	Do. Do. Paumben	200	200	200	200
Tinnevelly	Do. Do. Muttum	100	100	100	100
	Total Rupees	1250	1250	1050	1050

Madras
Marine Office
20th September 1878

Deputy Master Attendant in Charge
Administrative Department

Detail of estimate for repairs subject for the year 1879-80

		Estimate 1879-80		Estimate 1878-79	
		Amount	Total	Amount	Total
		Rs	Rs	Rs	Rs
Ganjam	Repairs to Flagstaff, Obelisks – Baruva	100	100	„	„
	Do. Do. Do. – Sonapore	150	150	150	150
Vizagapatam	Do. to Lighthouse – Santapilly	100	100	„	„
Godavery	Do. Do. – Hope Island	200	200	200	200
Nellore	Do. Do. – Armeghon	200	200	200	200
Chingleput	Do. Do. – Pulicat	200	200	200	200
Madura	Do. Do. – Paumben	200	200	200	200
Tinnevelly	Do. Do. – Muttum	100	100	100	100
	Total Rupees	1250	1250	1050	1050

Madras
Marine Office
20th September 1878
MM

Deputy Master Attendant in charge
Administrative Department

Revised

Detail of Estimate for original works for the year 1879-80.

Division	Projects No.	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1879	Estimate 1879-80	No.	Remarks or Reference
				Rs		Rs		
Kistna	1	False Point Divi	Construction of Beacon	5,540	"	5,540	1	
Tinnevelly	2	Muttum	Do. of Lighthouse	"	"	75,000	2	
			Total Rupees	5,540	"	80,540		

Madras
Marine Office
20th September 1878

Deputy Master Attendant in Charge
Administrative Department

NM

&4

Duplicate

Detail of Estimate for original works for the year 1879-80

Projects				Amount of Estimate	Computed expenditure up to 31st March 1879	Estimate 1879-80	No.	Remarks or Reference
Division	No.	Locality	Description					
				Rs		Rs		
Kistna	1	False Point Divi	Construction of Beacon	5,540	"	5,540	1	
Tinnevelly	2	Mutton	Do. of Lighthouse	"	"	75,000	2	
			Total Rupees	5,540	"	80,540		

Madras
Marine Office
20th September 1878

Deputy Master Attendant in charge
Administrative Department

NM

Duplicate

Detail of Estimate for original works for the year 1879-80

Division	Projects No.	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1879	Estimate 1879-80	No.	Remarks or Reference
				Rs		Rs		
Kistna	1	False Point Divi	Construction of Beacon	5,540	"	5,540	1	
Tinnevelly	2	Muttum	Do of Lighthouse	"	"	75,000	2	
			Total Rupees	5,540	"	80540		

Madras
Marine Office
20th September 1878

Deputy Master Attendant in Charge
Administrative Department

NM

Administrative Department.

No. 7106

Madras
Marine Office
20th September 1878

From
The Deputy Master Attendant
in charge
Administrative Department
Madras

To
The Secretary to Government
Public Works Department
Fort Saint George

Sir

I have the honor to forward the accompanying Imperial Fund Budget Estimates for Marine works (original) and repairs for the official year 1879. 80.

I have the honor to be
Sir
your most Obedt Servant

Deputy Master Attendant in charge
Administrative Department

P.W. 1878

No 10553

From
The Dy Master Attendant
in charge
Administrative Depart
Madras

To
The Secretary to
Government
Public Works Depart
Fort Saint George

Dated 20th Septr 1878
No 7106

Recd 21st
[illegible]

Submits Estimates
for Marine works
and Repairs required
for the official year
1879/80

Recd [illegible] 8-10-78 Sent 15.10.78
Cir 5.11.78

No 5415

From,

F. R. Hogg Esquire
Offg Dy Director General of the Post Office of India

To,

The Secretary to the
Government of Madras,
Public Works Department.

Simla, the 26 August 1878.

Sir,

Referring to the Resolution of the Government of India, Public Works Department, No 1422-39 A-G dated 7th August, 78, I have the honor to note on the margin[×], the provision that will be required for Postal Public Works in Madras during the Official year 1879-80: and to request that the Government of Madras will be pleased to make a like provision in the Provincial Schedule.

[×] Major Works
New Post office at Kotagiri — Rs 3500/
Minor Works — 4000/

2. I have made no provision for the new[○] General Post office so long wanted at Madras but shall specially allude to the subject in the hope that an allotment may be made for the purpose.

[○] See letter from Government of India P.W.D. to Government of Madras, Public Works Dept. No 105 C. W.-B. dated 30th March 76.

I have the honor to be,
Sir,
Your most obedient Servant,

Fred. R. Hogg
Offg Dy Director General of the
Post Office of India

Dr 1878 Despr

No 9928

Joo No 283 of 30 Jany/77
" " 2918 " 30 Octr/76
" " 1758 " 11 July — "
" " 1194 " 12 May — "
" " 1193 " — " — "
" " 1192 " — " — "
" " 1138 " 8 — " — "
" " 2173C " 29 Augt/73

Recd 6 Septr

Recir 17-10-78 Ptd 28.10.78
To actg 1-10-78 Ansr 30-10-78
Cirgs 1878 Ptd 16.10.78
O. L. Sheet 8 Septr

South [illegible] Arcot

Part I.

Detail of the Budget Estimate of Original Works Imperial Buildings and Roads for the year 1879-80.

Head of Classification	Executive Division	Locality	Item No.	Projects and Works:	Amount of Estimate	Outlay Actuals to end of 1877-78.	Probable during 1878-9.	Normal	Special	Item No.	Remarks and references
	South Arcot District	Mercanum	1	Constructing a Head Sluice across the Mercanum Brine Supply channel.	2000	..	400				Sanctioned in G. O. 20th June, 1878, No. 934 R. D.
			2	Reconstructing the Kandadu Bridge or Lattice Bridge at Mercanam	20,000	..	4,500				G. O. 6th June, 1878, No. 947 R. D.
			3.	Constructing a Head Sluice to the Chunampet Brine Supply Channel	2000						Estimate has been asked for
				Total	24,000	..	4,900				

Commissioner of Salt Revenue

Madras.
9th September 1878.

Enclosure to letter No: 1192-

Correspondence Department.

No. 1192

Office of the Commr. of Salt Revenue,
Madras,
Dated 9th September 1878.

From

H. W. BLISS, Esq.,
Commissioner of Salt Revenue.

To

Colonel E. A. Foord R.E.
Secretary to Government
P.W. Department.

Sir,

In reply to your memorandum No. 3923 dated 2d September, 1878, I have the honor to enclose a statement showing the Salt Works which I should wish executed by the Department Public Works in 1879-80 in the South Arcot District. I have added one (a Head sluice to the Chunampett supply channel) to the list I sent Major Mead in my letter No. 1079 dated 23d August, 1878, estimate for which will be called for. The other 2 are sanctioned works, for the provision of funds for the commencement of which in the current year by the Department Public Works I

have

have submitted proposals to the Board of Revenue which will, no doubt, in due course come before Government.

2. As regards other Districts I regret my inability at present to furnish you with a similar list before I have prepared the Salt Department Budget for 1879-80 which cannot be before the 15th or 20th.

3. I may add that from G.O. 22nd January 1877 No. 211 P.W.D. I understood that this information would not be required, at the earliest, before the beginning of October. Even so, I dare say I might have been able to meet this accelerated call but for the difficulties I experience in the first working of a new Department the local requirements of which I am at present necessarily ignorant. I must therefore on this occasion ask for time.

I have the honor to be
Sir
Your most obedt Servant

Commissioner of Salt Revenue

55

Correspondence Department.
1878

From
The Commissioner of
Salt Revenue,
Madras,

To
The Secretary to Govern-
-ment, Public Works
Department

Dated 9th September } 1878.
Received

No. 1192
Enclosure. 1

SUBJECT.
Submitting a statement showing the Salt works to be executed by the Public Works Department in 1879-80 in the South Arcot District.

Recd 17-10-78 Dated 28.10.78
To actg 1-10-78
Cir 5-10-78 Dated 16-10.78
P.L. Sheet 3 Septr

No. 51

District Engineer's Office
Mangalore 17th August 1878

From
The District Engineer
South Canara

To
The Chief Engineer
D.P.W. Madras

Sir,

With reference to your Memorandum No. 4577 dated the 10th instant, I have the honor to inform you that there are no Salt works proposed to be carried out in 1879-80.

I have the honor to be
Sir
Your most obedt. Servt.

H Welley Major R.E.
Dt. Engineer

General.

From No. 9485

The District Engineer
South Canara

To

The Chief Engineer
D.P.W.
Madras

Dated 19th }
Despd. 20th } August 1878
Recd. 26th }

No. 57

Enclosure - Nil -

Salt Wks. Informing that works
proposed to be carried out in 1879-80.

Recd 17-10-78 Ifa 28.10.78
To early 1-10-78
Cir 5-11-78 Ltd. 16.10.78

Malabar District

Set I.

58

Detail of the Budget Estimate of Original Works, Imperial Buildings and Roads for the year 1879-80.

Head of Classification	Executive Division	Locality	Item No	Projects and Works	Amount of Estimate Rs.	Outlay		Grant 1879-80		Item No	Remarks and references.
						Actual to end of 1877-78 Rs.	Probable during 1878-79 Rs.	Annual Rs.	Total for each head Rs.		
Salt	Cannanore	Cannanore, Etticolam, Madai, Bellipatam, Edacaad Tellichery and Cavoy	1	Constructing 7 Salt preventive Police Stations @ Rs. 900 each	6,3	"	"	6,300		1 ✓	Estimate under preparation at the requisition of the Superintendent of Police Malabar in his letter No 1361 of 3rd December 1877
	Kurumbranad	Badagarai, Tikodi, Quilandi and Chombala	2	do 4 do do @ Rs. 900 each	3,6	"	"	3,600		2 ✓	
	Calicut	Calicut and Beypore	3	do 2 do do @ Rs. 800 each	1,6	"	"	1,600		3 ✓	
	Ernaad	Parpangadi	4	do 1 do do @ Rs. 800	8	"	"	800		4 ✓	
	Palghat	Tanur, Paroni, Ponani, Tirur, Edakateyoor, Chetwaye, Papinivattam, Valapaad and Madalayam	5	do 9 do do @ Rs. 800 each	7,2	"	"	7,200		5 ✓	
				Total Salt Works					19,500		

Malabar Dist. Engr's Office
Camp Lackadie
22nd August 1878

Rt. W. Kennedy Lt. Col.
District Engineer
Malabar

Abstract of the Charges proposed in Part I

	Imperial Fund	Contribution	Total
	Rs.	Rs.	Rs.
Civil Buildings			
Salt Works	19,500	"	19,500
Total	19,500	"	19,500

No. 1950/78

No. 57.

Malabar Dist. Engr's Office
Camp Sultbatie 22nd August 1878

59

From
The District Engineer,
Malabar

To
The Chief Engineer,
Roads and Buildings,
Madras

Sir,

With reference to your Memorandum No. 4571 of 10th Instant, I have the honor to forward the list of Salt works* proposed for execution in 1879-80, called for therein, and to state that the Collector, on being referred to, informs me that no other new works are contemplated to be carried out next year.

I have the honor to be
Your most obedt. Servt.
Rd. B. Kennedy Lt. Col.
Dist. Engineer
Malabar

* Police Stations in connection with Salt revenue

P.W. 187 [illegible]

Roads and Buildings.

No. 9501

From

The District Engineer
Malabar.

No. 57.
Dated 22d August 1878.
Recd 26th

Enclosure 1.

Salt Works. — Forwards list of — proposed for execution in 1879.80

To actg 1-10-78
Cir 5-10-78

General

No. 2006

District Engineer's Office
Tanjore 31st August 78.

60

From

Captain R. R. E. Brockman R.E.
District Engineer, Tanjore

To

Colonel E. A. Foord R.E.
Chief Engineer P.W.

Sir,

With reference to your Memorandum No. 4571 calling for submission to your Office by the end of August, a list of Salt Works which should be carried out in 1879.80, I have the honor to inform you that on receipt of your memo quoted above, application was made to the Collector, but that Officer having referred me to the Salt Commissioner to whom the management and control of the Salt Department was transferred from 1st July 1878, the latter Officer has this day been addressed ~~th~~ on the subject.

b2

2

I shall be unable therefore
furnish the Budget by the end
this Month.

I have the honor to be
Sir
Your most obedient Servant
[illegible] Captain R.E.
District Engineer Tanjore

O.W. 1878 Sept

G O No 813W d/18-2-78
" 2844W - 12-7-78

General

No 9749

From
the Distt Engineer
Tanjore

To
the Chief Engineer
D.P.W.

No. 2006

Dated 31st August 78
Recd. 2d Septr.

Salt works.

Regarding the delay
in the submission
of the list of —

Recd 17-10-78 Rtd 28.10.78
To actg 1-10-78
Cir 5.10.78 Rtd 16.10.78

QUARTERMASTER-GENERAL'S OFFICE,
Hd. Qrs. Ootacamund
21st September 1878.

No. 1160

From

BRIGADIER-GENERAL H. O'CONNELL,
Quartermaster-General,

To

Colonel J. Michael C.S.I.,
Secretary to Government
Military Department.

SIR,

I have the honor, by order of the Commander of the Forces to forward for the approval of Government the accompanying two Lists of Major and Minor Works to be provided for in the Public Works Budget of 1879-80.

2. The works pertaining to the Ordnance Department have been entered in the lists in the order of their importance in communication with the Inspector General of Ordnance and Magazines.

I have the honor to be,
Sir,
Your obedient Servant,
H. O'Connell Brig. General
Quarter Master General.

Mily: 1878 Deptt.
No.

From
The Qr. Mr. Genl.
To The Secy to Govt. Mily
Aps: Deptt:

Recd:

No. 1160

Enclosures - 2

Forwarding for entry in the Public Works Budget of 1879-80, lists of major & minor Military Works

Ootacamund
21st Sep 1878

No. 4945 Transferred with the Lists to the Public Works Department

[illegible] Colonel
Secretary to Govt.

O L [illegible] 76 - [illegible]

Recd 17.10.78 Rtd 28.10.78
Li Aaty 1-10-78
Cir 8-10.78 Rtd 16.10.78

No 131

Imperial Budget Estimate for 1879-80 Chingleput District
Part I

Detail of the Budget Estimate of Original Works Imperial Buildings and Roads

Head of Classification	Executive Division	Locality	Item No	Projects and Works	Amount of Estimate	Outlay: Actual to end of 1877-78	Outlay: Probable during 1878-79	Grant 1879-80: Normal	Grant 1879-80: Special	Item No	Remarks and References
				Other Services Civil Buildings							
Salt	Sirulur	Ennore	1	Bar including groyne work	17,000	.	.	17,000	.	1	{
	Chingleput	Covelong	2	Rebuilding of the Salt Superintendents office on the beach	2,500	.	.	2,500	.	2	{ Estimate under preparation
				Total				19,500	.		

O Hornell Colonel R.E.
Supg: Engineer, Chingleput
M.

Chingt Supg Engrs Office
13th September 1878

To, The Chief Engineer, P.W.D.
in reference to his Office Memorandum
No 457 I of 10th August 1878. + Budget Dept

An 1878 Dép.

[illegible] 1028

Changé le port

[illegible] 2.14 [illegible]

[illegible] 28-10-78 Rtd 28.10.78
Laroly 1-10-78
Recoir 17-10-78 Rtd 16.10.78
[illegible] 5.10.78

List shewing the Salt works proposed to be carried out in 1879-80 Money Grant prepared agreeably to Memorandum No 4578 dated 10th August 1878 from the Under Secretary to Government P.W. Deptt Madras.

Head of Classification	Executive Division	Locality	Item No	Projects and works	Amount of Estimate	Outlay: Actual to end of 1877-78	Outlay: Probable during 1878-79	Grant 1879-80: Annual	Grant 1879-80: Total for each item	Serial No	Remarks and references
Salt	Madura	Vuttanum	1 +	Constructing a salt road to Thethandathanam from Junction of road No 9 and Coast road No 10.	1,780	-	-	1780	-	66 A 1	G.O. No 22 W. dated 4th January/78 & orders on Statement of Incomplete works of 1877-78. Ordered to be discontinued vide G.O. No 3211 W. dated 12 Augt/78
Do	Do	~~Mootheeyan~~ ~~-nadapalam~~ X Vayravanada palam - M- - Kuyavasi ~~Morecolum~~ X	2	Masonry buildings for Salt Division offices each Rs 1900	5,700 5800	-	1,900	2,000		2 √	Item No 46. Part I of the Budget for Imperial Buildings & Roads for 1878-79. The Buildings at Mootheeyanathapatam & Morecolum were ordered to be discontinued vide above G.O. Item No 47 Part I of Do Do
Do	Do	Morecolum	3.	Construction of tunnels and side dams in the cross road from Morecolum ~~station~~ to the road between Madura and Ramnad	3,450	-	2,000	1,450		3 √	Revenue Board's Proceedings No 3646 dated 26th April/75.
Do	Do	Athangarai	4	Cutting a channel from the sea to the pans for supplying sea water for the manufacture of salt.	-	-	2,000	2,000		4 √	Item No 48 Part I of Do Do The estimate is under preparation and the Range officer is going into the question himself, the estimate will be sent without delay.
Do	Do	Vuttanum	5	Rebuilding a tunnel on the Branch Road which was destroyed by December floods & through which sea water used to be supplied to the beds.	314	Minor work -	-	314		5 √	The Salt Deputy Collector states that the work is very necessary.

(67)

Carried over 7,544

List shewing the Salt works proposed to be carried out in 1879-80 Minor Works Grant prepared agreeably to Memorandum No. 4578 dated 10th August 1878 from the Under Secretary to Government P.W. Dept Madras.

66B

Head of Classification	Executive Division	Locality	Item No.	Projects and Works	Amount of Estimate	Outlay: Total to end of 1877-78	Outlay: Probable during 1878-79	Grant 1879-80: Annual	Grant 1879-80: Total for unfinished	Sheet No.	Remarks and references
					Brought forward			7544			
Salt	Madura	Vattanam	6	Constructing 4 Police huts in brick in Chunam	1200			1200		6	The Salt Deputy Collector states that the amount is put down upon a rough estimate.
									8744		

W. Searington
District Engineer,
Madura

(Camp) Dindigal
11th September /78
~~Dept 11th Do~~

G O No 3211 W/12-8-78
on 22w " 4-1-"

1878 [illegible]

From No 18225
The District Engineer
Madura

To
The Chief Engineer
D. P. W. Madras

dated 11th Septr 1878
Received 13

Madura District

List shewing the salt works proposed to be carried out in 1879-80 prepared agreeably to Memorandum No 45/ dated 10th August 1878 from the Under Secy to Govt P. W. D. Madras

To acty 1-10-78 Pt 30-10-78
Recd 17.10.78 Sd 28.10.78
Cir 5-10-78 Rtd 16-10.78

Repairs
Buildings & Roads.

Kistna District

Part II

Detail of the Budget Estimate for Repairs Imperial Buildings & Roads for the year 1879-80.

Head of Specification	Division	Locality	Items	Estimate 1879-80. Amount	Estimate 1879-80. Total	Estimate 1878-79. Amount	Estimate 1878-79. Total
			Other Services Civil Buildings				
Salt	Eastern Delta	Pondicherry	Annual repairs to Supdt's Kutcheri	200			
Do	Do	Mangarapuri	Do	200			
Do	Do	Do	Do to Police lines	400			
					800		

Superintending Engr's Office
Commissioner Canal
23rd August 1878
Despd 26 Do

Act.

(Sd.) [illegible]
Lieut Col R.E.
Superintending Engineer

Imperial

From No 77/78

The Superintending
Engineer Kistna

To

The Chief Engineer
D P W

Dated 23rd August 78
desp[illegible] at [illegible]

Received

Part II

Budget Estimate of [illegible]
works for the official
year 1879/80

Imperial
Buildings & Roads.

Kistna District.
Part I

Detail of the Budget Estimate of Original Works Imperial Buildings and Roads for the year 1879-80

Head of Classification	Executive Division	Locality	Item No.	Projects & Works	Amount of Estimate	Outlay Actual to end of 1877-78	Outlay Probable during 1878-79	Grant 1879-80 Normal	Grant 1879-80 Special	Item No.	Remarks and References
				Other Services							
				Civil Buildings							
Salt	Eastern Delta	Pondrau	1	Police lines	4507	.	2000	2507		1	Item No 33 of Budget of 78/79 } Sanctioned in G O No 3028 d/ 29th July 78
	Do	Manginapudi	2	Do	590	.	.	590		2	
	Western Delta	Nizampatam	3	Do	3562	.	2000	1562		3	Do No 32 of Do
	Do	Chinaganjam	4	Do	4582	.	2000	2582		4	Do No 31 of Do
	Do	Do	5	Salt Kutcheri			2000	1000	.	5	Do No 35 of Do } Estimates under preparation & will be submitted shortly
	Do	Nizampatam	6	Improvements to Do		.	2000	1259		6	Do No 34 of Do
	Eastern Delta	Masulipatam & Manginapudi	7	Excavating a navigable canal from Masulipatam to Salt Cotahs at Manginapudi	8580	.	.	20000		7	Sanctioned vide G O No 1598 d/ 19th December 74 R.D.
								29500			

× not commd:

Superintending Engineer's Office
Coast Commamur Canal
23rd August 1878
Despd 26th
[illegible]

(Sd.) [illegible] Lieut Col R.E.
Superintending Engineer K.D.

G.O. No 3028 W d/ 29 July/78
Mis " 120 W " 15 augt/77
" 151 " 20 Janry/75
G.O. 173 " 23 Nover/74
" 1598 " 19 Decr/74 R-D

Imperial

From

The Superintending Engr
Kist

To

The Chief Engineer
D.P.W.

Dated 23rd August 78
Despd 26 do
Received

Part I

Budget Estimate of all works for the Official year 1879/80

Recd 17-10-78 Fd 28.10.78
To Actg 1-10-78
Ca 8-10-78 Retd 16-10-78

Nellore District

List of Salt works proposed for Execution during the Year 1879-80

Head of Classification	Executive Division	Locality	Item No	Project and work	Amount of Estimate	Outlay to end of 1877-78	Outlay Probable during 1878-79	Grant for 1879-80 Normal	Grant for 1879-80 Special	Item No	Remarks and references.
Salt	Central	Tummalapenta	1	Making a Road from the Trunk Road near Kavali to Tummalapenta Salt Platform	23,580	10,003	5,000	8,500	"	1	G. O. No 1022 of 24th April 1876. G. O. No 2661 W, dated 27th June 1878 para 6. Revised Estimate for this work is under preparation and will be submitted for the sanction of Government shortly.
	Southern	Dugarazupatam	2	Constructing new Police lines for the Salt guard at Dugarazupatam	4,200	1,097	2,000	1,103	"	2	G. O. No 3,428 of 3rd December 1875, Board's Proceedings No 7017 of 4th August 1875 Item No 36 in the Imperial Budget for 1878-79.
	Do	Do	3	Constructing watch Tower on the Salt platform at Dugarazupatam	"	"	"	730	"	3	Estimates are ready and will be submitted for the sanction of Government shortly.
	Northern	Kanuparthy	4	Do Do Do on No 4 platform at Kanuparthy	"	"	"	750	"	4	

1108

Nellore District

List of salt works proposed for Execution during the year 1879-80

Head of Classification	Executive Division	Locality	Item No	Project and work	Amount of Estimate	Outlay		Grant for 1879-80			Remarks and references
						to end of 1877-78	Probable during 1878-79	Normal	Special	Item No	
	Northern	Beeramgunta	5	Making an approach to the North platform	"	"	1,000	3,000	"	5	Item No 37 in the Imperial Budget for 1878-79 & G.O. No 2835 W, dated 11 July 1878. Estimate ready and will be submitted for the sanction of Government at once
	Do	Do	6	Making an approach from Beeramgunta to Devarampadu	"	"	1,000	3,000	"	6	Item No 38 do do
	Do	Do	7	Palisade with Stone Pillars in Chunam and Palmyrah rails to three salt platforms at Beeramgunta	"	"	1,040	3,000	"	7	Item No 39 do do
	Do	Kanuparthy	8	Erecting Masonry water shoots on the salt platform No 4	"	"	"	1,380	"	8	Estimate is ready and will be submitted for sanction at once

Nellore District

List of Salt works proposed for Execution during the year 1879-80

Head of Classification	Executive Division	Locality	Item &c	Project and work	Amount of Estimate	Outlay		Grant for 1879-80			Remarks and references
						To end of 1877-78	Probable during 1878-79	Normal	Special	Item &c	
	Do	Kanupartty	9	Salt Road from 198th Mile of Great Northern Road to Kanupartty	"	"	"	5,000	"	9	Estimates for these works have been called for and will be submitted for the sanction of Government as soon as possible
	Southern	Dugara-zupatam	10	Renewing the Salt Cutcherry at Dugarazupatam	"	"	"	1,500	"	10	
						Total		27963			

District Engineer's Office
Nellore
4th September 1878.

District Engineer

P.C.
Comp'd St

G.O. No 2835 W of 11th July/78
" " 2661 W " 27 June "
" " 1022 - " 24 April/76
" " 3425 - " 3 Decr/75

From,
The District Engineer
Nellore

To,
The Chief Engineer
P. W. D.
Madras.

Dated 4th September 1878.
Recd.

List of Salt works proposed for execution during the year 1879/80

Lo. acty 1-10-78 Ed 26.10.78

7H

No. 2502.

FROM
THE DIRECTOR GENERAL OF TELEGRAPHS IN INDIA,

TO
The Secretary to the Government of Madras
Public Works department

Simla, the 6th of September 1878

SIR,

I have the honour to forward an Extract from the Schedule of requirements of this department in Public Works in 1879/80 containing works required the Madras Presidency, and to request the favour of the necessary provision being made for them in the Provincial Budget Estimate for Imperial Works of the ensuing year.

I have the honour to be,
Sir,
Your most Obedt Servt,

Murray Colonel,
Offg Director General of Tels in India

List of Works (Military) Estimated at less than Rs 2500 which are recommended for execution from the Reserve in Budget allotment of 1879-80

Divisions	Stations		Description of Buildings &ca and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New Works not yet Sanctioned which are Considered urgent for execution in 1879-80	Total allotment required from the "Reserve" in 1879-80	Orders of Government bearing reference to the work, or remarks as to the necessity of the Buildings.
District	Trichinopoly	1	A Latrine of 8 Seats Rodgers' System for males, European Detail Hospital.	"	"	2130	2130	Very necessary - approved by Commander in Chief
		2	A Latrine of 3 Seats Rodgers' System for Females, European Detail Hospital	"	"	730	730	Very necessary - approved by Commander in Chief
		3	A Urinal in the vicinity of the Horse and Sick Lines.	"	"	500	500	Necessary for use of men while at Stables and those working in the Forge - At present the men have to use the Barrack Urinal which is about 300 yards off. Approved by Commander in Chief.
		4	Steps to the Buildings in use with Battery of Artillery viz to Verandah No: 2 & 3 Sleeping Barracks	"	"	159	159	Necessary - approved by Commander in Chief

Quarter Master General's Office
Head Quarters Ootacamund
September 1878

J. T. Connell Brigr General
Quarter Master General

Chingleput	Saint Thomas'	139	Constructing new Ridge ventilators to the Roof of the Royal Artillery Canteen	"	340	.	340	O.G. No. 1138 of 22d April /70 – Approved by Commander in Chief
		140	Alterations to the Roof of old Canteen for the use of a Library and Reading Room Horse Artillery Lines	"	"	700	700	Approved by Commander in Chief
		141	Alterations and additions to the late Royal Artillery Canteen which is now used as a dwelling house.	"	255	..	255	O.G. No. 2248 of 24th August /70 & W.D. No. 4586 of 11th Septr /70 – Approved by Commander in Chief
		142	A Room for a Coffee Shop—	"	"	1500	1500	Approved by Commander in Chief
		143	A Room for a Library	"	"	2000	2000	Approved by Commander in Chief
	Poonamallee	144	Providing Designation Boards to the European Barrack and Hospital	"	350	"	350	O.G. No. 2829 of 24th November 1870. Approved by Commander in Chief
		145	Boundary pillars round the Bazaar—	"	"	63	63	Approved by Commander in Chief
							7928	

98

Madras District

Madras

	on the Machinery at the Gun Carriage Factory	" "	50	50	Approved by Commander in Chief. Can be executed departmentally at a cheap rate.
131	Glass Shutters for the doors and windows of Lithographic and drawing room at the Gun Carriage Factory	" "	127	127	Approved by Commander in Chief
132	A small shed for storing Dry Earth for use in the Hospital Latrine at Roya=-poram.	" "	300	300	Approved by Commander in Chief
133	A School room in the Lines at Royaporam	" "	1300	1300	O.G. No. 2087 of 23d July 1875 - Approved by Commander in Chief
134	A School room in the Lines at Perambore	" "	1300	1300	O.G. No. 1241 of 10 April 1877 P.W. Approved by Commander in Chief

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Mad

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to
C

...mander in Chief

Madras District

Madras.

125	A new Drying Stool for drying Moulds at the Gun Carriage Factory	"	"	300	300	Approved by Commander in Chief
126	Floor of the Ash pit Brass Furnaces requires to be raised 18 inches at the Gun Carriage Factory.	"	"	250	250	Approved by Commander in Chief Can be executed departmentally for a Small Sum.
127	The East and West Ends of the two Smithies require to be enclosed, or ventilators put up, as in their present state the workmen at the end of the Smithies are exposed to the Sun in the morning and evening at the Gun Carriage Factory	"	"	350	350	Approved by Commander in Chief. Can be executed departmentally for a Small Sum.

...5 Approved

48

4050

Madras

117	S at	[redacted]				…mander in Chief
118	G on the Mount Road					P.W. Approved by Comman…

Madras District

119	Do. Do. raising existing Boiler.	"	800	"	800	O.G. No: 1574 of 13th June 1871 P.W. Approved by Commander in Chief.
120	A small Godown at the Public Quarters occupied by the Superintendent of the Government Bakery 21' × 19' for which only roof and side wall are necessary, the ends being formed by the ends of the Cook room and the Curtain wall of the Latrine	"	"	600	600	Approved by Commander in Chief
121	A second Sleeping room to the Quarters of the Staff Serjeant at the Government Bakery 16' × 14'	"	"	350	350	Approved by Commander in Chief for early Construction being much needed.

Madras

3-229

[redacted] ...hief

... by Commander in Chief

Mysore Division		106	Canteen, increasing accommodation	"	"	700	700	Very necessary. The present storage being insufficient. Approved by Commander in Chief
		107	Gymnasium	"	"	2000	2000	Very requisite on account of the number of young soldiers sent to the Depot. Approved by Commander in Chief
		108	Rifle Range for Native Infantry Regiment.	"	485	"	485	Approved by Commander in Chief O. G. No. 4770 of 20th September 1876.
	French Rocks	109	New School House	–	1250	–	1200	Approved when funds are available
		110	A new Latrine for Barrack Guard.	"	–	400	400	Approved. The one now in use is simply a mud enclosure that was formerly a latrine belonging to an unoccupied house, private property, and is now used as a temporary make shift. The Regimental Lines are 3/4ths of a mile from the Guard Room.
	Mercara	111	New School House	"	1200	"	1200	Approved. when funds are available
		112	A Covered way from Hospital Latrine	–	–	225	225	Approved. Urgently required in this wet climate. The men with fever suffer from exposure to and fro.
	Hossoor	113	Enlargement of one Range of Stalls in Sick lines and supporting the walls with Buttresses	"	"	2500	2500	Urgently required. Approved by Commander in Chief.

15-968-3-3

Mysore

…w in use is of earth and requires to …d with brick - Approved by …n Chief

…d by Commander in Chief

Mysore Division		106	Canteen, increasing accommodation	"	"	700	700	Very necessary - the present storage being insufficient - Approved by Commander in Chief
		107	Gymnasium	"	"	2000	2000	Very requisite on account of the number of young soldiers sent to the Depot - Approved by Commander in Chief
	French Rocks	108	Rifle Range for Native Infantry Regiment.	"	485	"	485	Approved by Commander in Chief O. G. M. 4770 of 20th September 1876 -
		109	New School House		1200	"	1200	Approved when funds are available
		110	A new Latrine for Barrack Guard.	"	"	400	400	Approved - The one now in use is merely a mud enclosure that was formerly a latrine belonging to an unoccupied house, private property and is now used as a temporary make shift. The Regimental Lines are 3/4ths of a mile from the Guard Room.
Mysore	Mercara	111	New School House	"	1200	"	1200	Approved. when funds are available
		112	A Covered way from Hospital Latrine	"	"	225	225	Approved - Urgently required in this wet climate. The men with fever suffer from exposure to and fro.
	Ossoor	113	Enlargement of one Range of Stalls in Sick lines and supporting the walls with Buttresses	"	"	2500	2500	Urgently required - Approved by Commander in Chief

83

15-968-33

[redacted]

… by Commander in Chief

… by Commander in Chief

Mysore		European Infantry					
Bangalore	91	To complete wall round Hospital Compound	"	"	1000	1000	Approved by Commander in Chief
	92	Draining the Bakery Square	"	"	500	500	Approved by Commander in Chief
		Commissariat Department					
	93	A High wall round the straw yard	"	"	1320	1320	Approved - Requisite for the security of the stacks
	94	A High wall round the Compound grain Godown	"	"	2500	2500	Approved - Requisite for the security of the grain
		Commandants House					
	95	Floors of 2 Rooms to be boarded	"	530	"	530	Approved by Commander in Chief
Wellington	96	Drainage Works near the Barracks	"	860	"	860	Approved by Commander in Chief
		Commissariat Store					
	97	Compound wall and alterations to gate and windows	"	1280	"	1280	Approved by Commander in Chief O G No. 3[illegible] of 15th September 187[illegible]
	98	Additions and alterations to School Block	"	1680	"	1680	Approved by Commander in Chief O G No. 1812 M.D 9th June 1874
	99	For asphalting the floor of the Malt Liquor Godown Commissariat Stores	"	1662	"	1662	Approved by Commander in Chief O G No: 3647 of 31st July 1875

8

17822

Mysore Division

Bangalore

en being built ventilation shud
llowing a good space between the top
& the Roof

	each Battery	"	"	180	180	Approved by Commander in Chief
	Royal Horse Artillery					
74	Wash House for Quarter Guard and prison	"	"	2800	2800	Approved - when funds are available
75	Weather Board to Married Blocks—	"	"	2180	2180	Approved by Commander in Chief
76	Improvements to ventilation of Recreation Room R.H.A. by removing 8 Windows from the inside and the wall beneath these Windows.	"	"	100	100	Approved by Commander in Chief
	European Infantry					
77	Weather Boards for End Quarters of Barracks	"	"	860	860	Approved by Commander in Chief
	Commissariat Department					
78	1 Coal Shed 40' x 20'	"	"	2100	2100	approved by Commander in Chief
	Garrison					
79	Store Room Hospital Pavillion Race Course Agram, already built	"	"	2400	2400	Much wanted - approved by Commander in Chief
	Comtt: Deptt:					
80	Servants Rooms to Staff Sergeants Quarters	"	"	1000	1000	Approved by Commander in Chief
	Cavalry					
81	Wall round Sick Stable Forage &c	"	"	2210	2210	approved by Commander in Chief
	Sappers and Miners					
82	Stone drain in rear of Married Quarters	"	"	350	350	Approved by Commander in Chief
					1915-0	

Mala

as well as for British Troops

as punkahs in Officers Quarters will be
for Officers of Native Troops as well as
of British Troops.

ved by the Commander in Chief
uired - there is no room available for
the purpose - Approved by Commander in Chief

Northern District	Vizianagram	57	Completion of wall around Regimental Hospital	"	"	286	286	Approved when funds are available
		58	Contagious Diseases Shed	"	"	917	917	Approved when funds are available
		59	Three public Latrines viz: one for men in Left Wing and two for Women in each Wing, in dry Earth System	"	"	2235	2235	Approved when funds are available
	Berhampore	60	Wall to the Military Hospital	"	"	1016	1016	Approved when funds are available.
		61	A school house for a Native Infantry Regt-	"	"	1200	1200	Approved by the Commander in Chief
Nothern Dc	Cuttack		~~A school house for a Native Infantry Regt-~~	"		~~1200~~	~~1200~~	~~Approved by the Commander in Chief~~
Mysore Division	Bangalore	62	Royal Horse Artillery For Certain drainage to Ulsoor Barracks from the Forage Yard and Water Troughs	"	2060	"	2060	Approved by Commander in Chief O.G. No 865 of 18th February 1876.
		63	Arsenal Fat. For providing rack in Ordnance Gun powder Magazine Bangalore	"	2500	"	2500	Approved by Commander in Chief. O.G. No. 3743 of 30 Sept 74. P.W.D.
		64	Royal Horse Artillery Ration shed.	"	1000	"	1000.	Approved by Commander in Chief O.G. No. 893 of 30 March 1870
		65	Ulsoor Rock A Verandah to the Mechanical Engineers Quarters	"	550	"	550	O.G. No. 1607 of 28 March 78. - Approved by Commander in Chief
		66	A Stable to Do. — Do. —	"	490	"	490	
		67	Cavalry Renewing saddle pegs in Stables Agram Barracks	"	1920	"	1920	O.G. No. 532 of 23d February 71- Approved when funds are available
							18490	

79

[redacted]

Ca							by Commander in Chief
							by Commander in Chief
		to that outside Orderly Room.	"	"	2285	2285	Approved - When funds are available
Malabar and Cannanore	38	Verandah on West side of Barracks European Infantry to be framed similarly to that outside Orderly Room	"	"	2460	2460	Approved When funds are available
	39	A Shed for transit and other Carts of Commissariat Department	"	"	500	500	There is no shelter available - Approved by Commander in Chief -
	40	Constructing a Porch to Commissariat Office	"	"	250	250	Approved - when funds are available
	41	Improved ventilation in Opthalmic, Prisoners and Lunatic Wards, Hospital for European Troops.	"	"	350	350	Necessary on Sanitary grounds - Approved by Commander in Chief
	42	Improving ventilation and fixing Lightning Conductor to a Magazine in the Fort	"	"	200	200	approved by Commander in Chief
	43	Extending a drain from Cistern Southward to join drain near Serjeants Mess, British Infantry Barracks to enable the drain to be regularly flushed.	"	"	920	920	Approved by Commander in Chief Recommended on Sanitary grounds.
Calicut	44	Introducing Dry Earth System for the Detachment	"	"	753	753	Approved by Commander in Chief Very necessary on Sanitary grounds.
	45	Improving ventilation of Prisoners' Room	"	"	135	135	Approved by Commander in Chief
	46	Laying floor of Hospital Lavatory in Hydraulic Cement	"	"	160	160	The floor is much broken and the water does not run off properly - Approved by Commander in Chief
	47	Permanent Building in Commissariat Yard	"	"	150	150	In lieu of present temporary one - Approved by Commander in Chief
						16726	

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81

81

[redacted]

							- Approved by Commander in chief
							OG No. 50 of 6 January 1875 - Approved Commander in chief
	21	Latrine for the Cantonment with well	"	"	1150	1150	Necessary - Approved by Commander in chief
Bellary		B/16th Royal Artillery					
	22	New pattern punkahs in the three Blocks of Barracks	"	810	"	810	Approved by Commander in chief OG No $\frac{6306}{7864}$ of 13 Nov 77 and No. $\frac{1780 W}{8072}$ of 26 Nov 77
		2/13th Light Infantry					
	23	Punkahs for Blocks No. 15 & 16 Barracks	"	"	1600	1600	These 2 Blocks of Barracks completed in 1876 have not as yet been provided with punkahs, putting the men occupying them at a great disadvantage compared with the others. Approved by Commander in chief
Ceded Districts Ramandroog	24	Convalescent Depôt Ramandroog Stone fire places to Cook houses of Married Quarters.	.	.	400	400	The present fire places of brick and plaster are constantly breaking away and getting out of repair. Approved by Commander in chief
	25	Improved Ventilation to Guard and Prison Rooms and also to Cell	"	"	300	300	This work was partly carried out last year at a Cost of Rs: 90 - but is so defective that it requires to be done over again. Approved by Commander in chief.
	26	Drain from Hospital Bath Room and Married Quarters	"	295	"	295	OG No. 1955 W of 25th April 77 - Approved by Commander in chief
	27	Extension of the Lavatory drain from the Hospital	.	"	388	388	Requires to be extended to the brow of the hill so as to get rid of the refuse water which now sinks into the Soil in the [illegible] the [illegible]. Approved by Commander in chief
	28	Drainage of the Roof of the Married Quarters	.	"	300	300	Approved by Commander in chief
	29	Slaughter house and hanging Shed	"	.	990	990	Cattle are at present slaughtered behind the Cemetery and the meat is kept in the Native huts in the Village - Approved by Commander in chief

Southern

Trichinopoly

5	Substantial traverses round the [illegible] [illegible] Magazine	"	"	680	680	Magazine [illegible] Commander in Chief Considers [illegible] necessary
6	A new Cook Room for the families of Detachment British Infantry	"	"	500	500	Very necessary the detachment Cook room, part of which is used by the families being too distant from the family Quarters - Approved by Commander in Chief
7	Covering with wire netting the ventilator of the Military Hospital.	"	"	182	182	O G No: 746 of 22d July /70 - O G No: 31 of 6th Jany /71 and O G No: 1622 of 16th June /71 - Approved by Commander in Chief
8	Wheelers and Collar Makers Shops 45'x20' each for 1 Battery of Artillery	"	"	1310	1310	Approved by Commander in Chief
9	Quarters for the Nurse at the European Detail Hospital	"	"	1800	1800	Approved when funds are available - The Nurse at present occupies a small portion of the Female Ward converted for a dwelling and highly inconvenient to the hospital Establishment -
10	Constructing a verandah Bengal Roof in rear of both Ranges of the Artillery Family Quarters	"	"	1624	1624	Necessary - Approved by Commander in Chief
11	An American Bowling alley for the Detachment British Infantry	"	2000	.	2000	O G No: 1814 of 3d June 1869 Necessary Approved by Commander in Chief.
12	Constructing a Verandah Bengal Roof in rear of both Ranges Staff Sergeants Quarters Royal Artillery	"	"	320	320	Necessary until [illegible] Staff Sergeants are provided - Approved by Commander in Chief.
13	Two new Solitary Cells for the 32d Regiment N.I. in its Lines now occupied by 6th N.I.	"	920	"	920	O G No: 2168 of 15th July 1869 - Necessary & Approved by Commander in Chief.
14	A Defaulters room for the Regiment of Native Infantry	"	"	450	450	Necessary - Approved by Commander in Chief

13303-

Divisions	Stations		Description of Buildings &ca and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned works not commenced for which an allotment is required from the Reserve of 1879	New Works not yet Sanctioned which are considered urgent for execution in 1879-80	Total allotment required from the Reserve in 1879-80	Orders of Government bearing reference to the works, or remarks as to the necessity of the Buildings
Chingleput District	Pallavaram	146	An Armourers Shop for the use of the Native Infantry Regiment	"	"	820	820	Approved by Commander in Chief
		147	A public Latrine for the Native Lines.	"	"	300	300	Approved by Commander in Chief
		148	A new Cook house is required for the Quarter of the Sergeant Major E. A. V. Company	"	"	750	750	Approved by Commander in Chief
North Arcot District	Vellore	149	Armourers Shop for the Native Infantry Regiment	"	2300	"	2300	O.G. No: 188 of 11th January 1876 O.G. No. 146 of 17 January 1876. P.W. O.G. No: 3538 of 14th July 1876 & O.G. No. 162 of 27 October 1876. A Cheaper kind of ~~[illegible]~~ Building approved by Commander in Chief –
							4170	

78

Divisions	Stations	Description of Buildings &ca and for what Corps or Department needed.	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New works not yet Sanctioned which are Considered urgent for Execution in 1879-80	Total allotment required from the Reserve in 1879-80	Orders of Government bearing reference to the works, or remarks as to the necessity of the Buildings
District	Mount	135 Constructing a Latrine to Ordnance Depot	"	"	1400	1400	A Cheaper Kind of Latrine, approved by Commander in Chief
		136 Serjeants Quarters Horse Artillery Lines require better ventilation	"	"	500	500	Approved by Commander in Chief
		137 Railing of Verandah Upper Story Female Hospital to be made more safe	"	320		320	O.G. No. 2156 of 14th May 78 – M.D. No. 2862 of 8th June 1878 – Approved by Commander in Chief
		138 Cookroom Royal Artillery Hospital to be altered and fitted with Duff's Cooking Range	"	"	500	500	Approved by Commander in Chief

of 22d April 79 – Approved by

19

Divisions	Stations		Description of Buildings &ca and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New works not yet Sanctioned which are Considered urgent for execution in 1879-80	Total Allotment required from the Reserve in 1879-80	Orders of Government bearing reference to the works or remarks as to the Necessity of the Buildings
Madras District	Madras	128	The verandah of the 20 horse power Boiler house requires to be Covered with Corrugated iron at the Gun Carriage Factory	"	"	240	240	Approved by Commander in chief - Can be executed departmentally for a small sum.
		129	The two Gun Sheds require to be provided with new front purdahs at the Gun Carriage Factory	"	"	1500	1500	Approved by Commander in chief - Can be executed departmentally at a cheap rate.
		130	A small portion of the South verandah of the Timber Shop requires to be altered to prevent the roof from falling					
		131						Commander in chief. Can be rtmentally at a cheap

80

Divisions	Stations	Description of Buildings &ca and for what Corps or Department needed	Sanctioned Works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned Works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New works not yet Sanctioned which are considered urgent for execution in 1879-80	Total allotment required from the Reserve in 1879-80	Orders of Government bearing reference to the works or remarks as to the necessity of the Buildings
Madras District	Madras	122 For providing a wooden floor to the Magazine at the Gun Powder Factory.	"	1100	"	1100	O.G. No: 1511 of 31st March 1875 - Approved by Commander in Chief
		123 A Building for breaking down Machine for Mill Cake at the Gun Powder Factory.	"	"	500	500	Approved by Commander in Chief
		124 Barrel Machinery Shop requires painting outside and inside and also requires ventilation - Floor to be asphalted at the Gun Carriage Factory	"	"	1550	1550	Approved by Commander in Chief
		12[illegible]					[illegible] Commander in Chief

Divisions	Stations		Description of Buildings &ca and for what Corps or Department needed.	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New Works not yet Sanctioned which are Considered urgent for execution in 1879-80	Total Allotment required from the Reserve in 1879-80	Orders of Government bearing reference to the works, or remarks as to the necessity of the Buildings
Madras District	Fort Saint George	114	New Railings to Soldiers' Barracks	"	"	400	400	Approved by Commander in Chief
		115	Improvements to Officers Mess Kitchen	"	"	1000	1000	Approved by Commander in Chief
		116	Sun Shade for the Quarters of the Commissariat Serjeant	"	"	360	360	Approved by Commander in Chief
		117	Sky Light for Sailors Shop at the Arsenal	"	"	510	510	Approved by Commander in Chief
		118	Government Battery alterations on the Mount Road	"	1200		1200	O.G. No. 1120 of 21st April /79 P.W. Approved by Comman in Chief
		119						June 1879 P.W. Approved Chief

Divisions	Stations		Description of Buildings &c and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80.	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80.	New works not yet Sanctioned which are Considered urgent for execution in 1879-80	Total allotment required from the Reserve in 1879-80.	Order of Government bearing reference to the works, or remarks as to the necessity of the Buildings.
Mysore Division	Wellington	100	For erecting a Storage Reserve and laying pipes between the springs and place of outlet of the spring water supply	"	2072	"	2072	Approved by Commander in Chief O.G. No. 6809 of 28 December 1876.
		101	Enlarging the Slaughter-house	"	990	"	990	O.G. No. 5031 of 1st Sept/77 & No. 733 of 15 Sept/77 Approved by Commander in Chief
		102	Improving Ventilators of Hospital	"	556-3-3	"	556-3-3	O.G. No. 5196 of 15th Sept/77- Approved by Commander-in Chief
		103	Rifle Range	"	2240	"	2240	O.G. No. 6522 of 26th November 1877- Approved by Commander in Chief
			Married Quarters.					
		104	Flooring Covered passages from Married Quarters to Work houses and Latrines	"	"	1200	1200	A very necessary work and strongly recommended. The flooring now in use is of earth and requires to be re-floored with brick- Approved by Commander in Chief
			Commissariat Godowns Iron gate with wooden door to open outside to fasten inside so that it can be opened from the Godown	"	"	200	200	Approved by Commander in Chief
		106	C					present storage being
								ed by Commander in Chief
		107	C					ccount of the number of
								to the Depot- Approved
		108	C					

Divisions	Stations	Description of Buildings and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80.	Sanctioned works not commenced for which an allotment is now asked from the Reserve of 1879-80.	New works not yet Sanctioned which are Considered urgent for execution in 1879-80	Total Allotment required from the Reserve in 1879-80	Orders of Government bearing reference to the works, or remarks as to the necessity of the Buildings
		83 Floor of European Non Commissioned Officers' Quarters relaid	"	"	900	900	approved by Commander in Chief
		Garrison Hospital					
		84 Small ward for female patients	"	"	1700	1700	Approved when funds are available
		85 Small ward for Contagious disease	"	"	1000	1000	Approved when funds are available
		86 A Guard Room for 4 Men	"	"	1090	1090	Approved when funds are available
Division		87 Improvements to drainage	"	"	300	300	Approved when funds are available
		Royal Horse Artillery					
		88 Ridge Ventilators to the Quarter of Brigade Quarter Master Serjeant	"	"	180	180	approved by Commander in Chief
	[illegible]	89 A Channel and Cistern for supplying water to the Garden	"	"	320	320	approved by Commander in Chief
		Sappers and Miners					
		90 Hospital Lavatory and increased Surgery accommodation	"	"	1000	1000	approved by Commander in Chief

by Commander in Chief

by Com

Divisions	Stations		Description of Buildings required, and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New works not yet Sanctioned which are Considered urgent for execution in 1879-80	Total allotment required from the Reserve in 1879-80	Orders of Government bearing reference to the works or remarks as to the necessity of the Buildings
Mysore Division	Bangalore	68	Royal Artillery Agram Barracks Ration Shed	„	1750	„	1750	Approved by Commander in Chief O.G. No. 1232 of 14th May 1872
			Native Infantry					
		69	Guard Room for Native Infantry Regiments	„	1000	„	1000	Approved - when funds are available
		70	School House for Native Infantry Regiments	„	1200	„	1200	Approved - A grant of Rs. 4800 for schools at Bangalore is made in Budget 1878-79 - a portion of this will be available.
		71	Royal Artillery Agram Barracks Stable for the Medical Subordinate attached to R.A.	„	500	„	500	Approved - when funds are available
		72	European Infantry Roofing the Corrugated Iron Urinals Parade Barracks	„	1320	„	1320	Approved - when being built ventilation should be secured by allowing a good space between the top of the walls and the Roof.
		73	Royal Horse and Royal Artillery 24 Carbine Racks in the Barracks of each Battery		-	180	180	Approved by Commander in Chief
		74	Wash					
		75	Wo In					...ds are available
		76	Recrea 8 Wi					...ommander in Chief

Divisions	Stations	No.	Description of Buildings &ca and for what Corps or Department needed.	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80.	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New Works not yet Sanctioned which are Considered urgent for execution in 1879-80.	Total Allotment required from the Reserve in 1879-80	Order of Government bearing reference to the works, or remarks as to the necessity of the Buildings.
Malabar and Canara	Calicut	48	A Small Latrine near Guard Room	"	"	80	80	Approved by Commander in Chief. The men on Guard have to go 100 yards to reach a Latrine which is objectionable during the rains
		49	Punkahs in Barracks	"	1566	"	1566	Approved when funds are available.
		50	Constructing a temporary Latrine for Native followers of the Detachment	"	"	170	170	O.G. No. 1199 W. d/25th March 1878 – Approved by Commander in Chief
		51	Constructing New Arm Racks in West Hill Barracks	"	"	125	125	Approved by Commander in Chief
	Mangalore	52	A Latrine of Standard plan for Barrack Guard and prisoners	"	"	270	270	The ones in use are merely temporary – Approved by Commander in Chief.
	Mallapuram	53	Constructing New Arm Racks in Barracks	"	"	125	125	Approved as the Arm Racks will answer for Native as well as for British Troops.
		54	Supplying Punkahs to the Officers Quarters	"	"	420	420	Approved as punkahs in Officers Quarters will be required for Officers of Native Troops as well as for those of British Troops.
	~~Vizagapatam~~	55	A School house for a Native Infantry Regt	"		1200	1200	Approved by the Commander in Chief
		56	Bath Room for Regimental Hospital			360	360	Much required – there is no room available for the purpose – Approved by Commander in Chief
Northern District	Vizianagram	57	Completion of … Hospital					… Can be
		58	Contagious D…			286	286	Approved when funds are available
		59	Three public … in Left Wing, … each Wing, a…					…lable

Divisions	Stations		Description of Buildings &c and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Reserve of 1879-80	Sanctioned works not Commenced for which an allotment is now asked from the Reserve of 1879-80	New works not yet Sanctioned which are Considered urgent for execution in 1879-80	Total allotment required from the Reserve in 1879-80	Order of Government bearing reference to the work, & remarks as to the necessity of the Buildings
Canara	Cannanore	30	Constructing a Bullock run to the Royal Artillery Plunge Bath	"	460	"	460	approved by Commander in Chief
		31	Constructing gymnastic apparatus for European Infantry	"	"	890	890	approved by Commander in Chief
		32	Supplying glazed windows to Recreation Room of the European Infantry Regiment	"	1533	"	1533	O.G. No. 1614 of 16th June 1871 – Approved by Commander in Chief
		33	School Room of Standard pattern for a Regiment N.I.	"	1200	"	1200	approved by Commander in Chief
		34	Constructing Coffee Rooms for European Infantry Regiment	"	"	1500	1500	Approved – When funds are available
		35	Urineries for European Infantry Barracks fitted with non porous slabs and a Covered drain to the Sea.	"	"	2000	2000	approved by Commander in Chief
		36	Boarded floors in Sergeants Mess and Canteen Rooms European Infantry Regiment	"	"	980	980	approved by Commander in Chief
		37	Verandah of School Room European Infantry Regiment [illegible]			2285	2285	approved – when funds are available
and		38	Verandah on West side of Barracks Europea[illegible] to that [illegible]					
		39	A Shed f[illegible] Comm[illegible]					[illegible] are available
		40	Constr[illegible] Office					[illegible]lable – Approved by
		41	Imp[illegible]					

Division	Station		Description of Buildings &c. and for what Corps or Department needed	Sanctioned works in actual progress for which an allotment is required from the Revenue 1879-80	Sanctioned works not commenced for which an allotment is now asked from the Revenue of 1879-80	New works not yet sanctioned which are considered urgent for execution in 1879-80	Total allotment required from the Revenue in 1879-80	Orders of Government bearing reference to the work or remarks as to the necessity for Buildings.
Southern District	Trichinopoly	15	Single Serjeants Quarter for the Battery of Artillery	"	"	1200	1200	Necessary – Approved by Commander in Chief
		16	Racks within grand Magazine Ordnance Department	"	"	520	520	Necessary – Approved when funds are available
		17	Staff Serjeants Quarter for the Battery of Artillery	"	"	1500	1500	Necessary – Approved when funds are available
		18	Public Quarter for School Master with outhouses	"	"	2000	2000	Necessary – Approved by Commander in Chief.
		19	Turning up the ground in front of the Family Quarters R. A. and enclosing it with a mud wall for a garden	"	1100	"	1100	O G No. 1952 of 1st July /67 & No: 3050 of 8th Oct /67 Approved by Commander in Chief
	Palamcottah	20	Fence & Boundary pillars for Regimental Bazaar 3rd Grenadiers	"	"	20	20	Necessary – Approved by Commander in Chief.
			School House for a Native Infantry Regiment	"	"	1200	1200	Necessary O G No. 52 of 6 January 1875 – Approved by Commander in Chief
						1150	1150	Necessary Approved by Commander in Chief.

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Divisions.	Stations.	Description of Buildings &ca. and for what Corps or Department needed.	Sanctioned Works in actual progress for which an Allotment in the Budget is required for Expenditure 1879-80.—	Sanctioned Works not commenced and for which an Allotment is now asked for Expenditure in 1879-80.—	New Works not yet sanctioned which in the opinion of the Commander in Chief are urgently required.—	Total Allotment required for each work in the Budget of 1879-80.—	Orders of Government bearing reference to the Works, or remarks as to the necessity of the Buildings.—
Centre District	Madras.	Slaughter House Commissariat Dept.—	"	"	11,000	11,000	The removal of the Slaughter House and the erection of quarters for the Station Butcher, approved by Commander in Chief.
		Quarters for Station Butcher — do —	"	"	3000	3000	
	Saint Thomas' Mount	General improvements to Commissariat Godown —	"	"	3000	3000	Approved by Commander in Chief —
		Constructing Stables for Horses for the two Batteries —	"	89190 An estimate of Rs 35120 sanctioned in G.O. No 1892 of 23/6/[illegible] [illegible]	"	89190	Approved by Commander in Chief Awaiting the orders of Government on Iron Stabling.—
		Swimming Bath for the New Barracks —	"	12,600	"	12,600	G.O. No 3580 [illegible] 11-[illegible] Approved by Commander in Chief when funds are available.—
		Expense Magazine at the Butts near the Gun and Mortar Batteries	"		5000	5000	Approved by Commander in Chief
	Poonamallee	New Barracks for 200 men, Family Quarters and Out-houses —	"	255370	"	60,000	— do — do see G.O. No 2317 [illegible]
		Double storied Hospital for 90 Patients, with out-houses. Rs 1,02,000 —	2000	"	"	2000	— do — do G.O. No 2176 of 18 Aug 7[illegible]
		Improvements and alterations to the existing Buildings as follows:- **Depôt Hospital.**					
		No. 2 Ward. Raising Wall, adding Ridge Ventilator —	"	"	1115	1115	G.O. No 2317 [illegible] 28/5/7[illegible] Approved by Commander in Chief Total Rs 48,590
		Nos: 1 and 3 Wards - Removing					
		Western Range - Removing part —	"	"	250	250	
		Northern Range - Ridge Ventilator —	"	"	3300	3300	
		Out-houses - Removing	"	"	130	130	
		Temporary Hospital					
		Removing —	"	"	300	300	
		Ball Alley					
		Removing —	"	"	260	260	1571
		Fort ditch.					
		Filling			27050	27050	[illegible] G.O. No 3220 of 22/5/76

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