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From

THE SECRETARY TO RESIDENT,

HYDERABAD PUBLIC WORKS DEPARTMENT,

To

THE *Secretary to Government*
P. W. Department
Madras

Secretary's Office, Bolarum, *2nd August* 1881.

Enc: 1

SIR,

*I have been desired by the
Resident to forward, for information,
a copy of the P.W. Section of the Resident's
Administration Report of the Hyderabad
Assigned Districts for the official year
1880-81*

*I have the honor to be
Sir*

*Your most obed^t. Serv^t.
Talbot Hamilton*

*Offg. Secretary to Resident
Hyd. P.W. Department*

VS

PUBLIC WORKS.

IMPERIAL.

I.—GENERAL.

THE Imperial Public Works under the control of the Hyderabad Administration comprise all buildings required for the accommodation of troops of the Hyderabad Subsidiary Force at Secunderabad and Trimulgherry; buildings connected with the Hyderabad Residency; the Telegraph buildings at Secunderabad and Shahabad; and all Post offices both at Hyderabad and in Berar.

The total budget-grant for the year was Rs. 3,62,900; the total expenditure amounted to Rs. 3,53,680, as detailed in the Appendix. The savings were Rs. 9,220, or 2.5 per cent., and occurred under the following heads:—

Military	...	...	Rs. 7,092
Civil	...	...	" 524
Establishment	...	...	" 1,175
Tools and Plant	...	...	" 429
Total Rs.			9,220

Military.—The saving under this head was chiefly due to "fluctuations in suspense accounts," Rs. 4,995.

The lapse under Original Works, Military, was only Rs. 1,102, and Rs. 995 were saved on Repairs.

Civil Buildings.—The lapse was due to savings on Repairs of Rs. 939, there being an excess of Rs. 415 over the sanction for Original Works.

II.—MILITARY.

The principal works completed during the year were:—

Canteen for Royal Artillery, Trimulgherry—

Estimate	...	Rs. 25,199
Expenditure	...	" 24,718

Flooring Family-quarters, Royal Artillery—

Estimate	...	Rs. 7,707
Expenditure	...	" 5,978

Cook-houses for Family-quarters, Royal Artillery—

Estimate	...	Rs. 7,573
Expenditure	...	" 7,575

Five Staff Sergeants' quarters (with out-houses), Royal Artillery—

Estimate	...	Rs. 15,826
Expenditure	...	" 15,890

Sunshades to Family quarters and Staff Sergeants'-quarters in Royal Artillery Barracks—

Estimate	...	Rs. 7,418
Expenditure	...	" 7,393

Permanent cook-houses for men's barracks, Royal Artillery—

Estimate	...	Rs. 17,498
Expenditure	...	" 17,918

Purveyor's store, servants'-houses, &c., to Royal Artillery hospital—

Estimate	...	Rs. 9,943
Expenditure	...	„ 10,013

Two single-storied barracks, British Cavalry—

Estimate	...	Rs. 1,81,482
Expenditure	...	„ 1,51,478

Two saddle-rooms, British Cavalry—

Estimate	...	Rs. 32,282
Expenditure	...	„ 32,356

Cells for quarter-guard, British Cavalry—

Estimate	...	Rs. 11,519
Expenditure	...	„ 11,502

Roads in British Cavalry lines—

Estimate	...	Rs. 39,511
Expenditure	...	„ 35,893

Two Staff Sergeants' quarters (with out-houses), British Cavalry—

Estimate	...	Rs. 7,683
Expenditure	...	„ 7,671

Hospital Sergeants' quarters, British Cavalry—

Estimate	...	Rs. 4,055
Expenditure	...	„ 4,051

Alterations to wash-houses, 1st British Infantry—

Estimate	...	Rs. 3,832
Expenditure	...	„ 3,962

Re-flooring with Shahabad stone, three ranges, Family-quarters, 2nd British Infantry—

Estimate	...	Rs. 3,965
Expenditure	...	„ 3,811

Constructing a new dead-house, 2nd British Infantry—

Estimate	...	Rs. 4,323
Expenditure	...	„ 3,835

The following Major Works were in progress at the end of the year :—

Draining wash-houses, &c., Royal Artillery—

Estimate	...	Rs. 2,765
Expenditure	...	„ 1,000

Constructing new canteen for 1st British Infantry—

Estimate	...	Rs. 27,206
Expenditure	...	„ 21,670

Quarters for Medical subordinates, 1st British Infantry—

Estimate	...	Rs. 17,963
Expenditure	...	„ 7,885

Additions to Officers' mess-house, pay office and court-martial room, 1st British Infantry—

Estimate	...	Rs. 7,983
Expenditure	...	„ 1,117

New orderly-room for 1st British Infantry—

Estimate	...	Rs. 5,596
Expenditure	...	„ 2,095

Raising compound-wall of, and building workshed in, military prison, Trimulgherry—

Estimate	...	Rs. 10,091
Expenditure	...	„ 1,431

III.—CIVIL BUILDINGS.

No works costing over Rs. 2,500 were undertaken under this head during the year under review.

IV.—TOOLS AND PLANT.

Total outlay ... Rs. 3,071

V.—ESTABLISHMENT.

The total outlay under this head was Rs. 63,725, being 21.6 per cent. on the expenditure on works.

Captain H. C. Fox, R. E., Executive Engineer, 3rd grade, Secunderabad Division, proceeded on two years' furlough to Europe on 22nd March 1880; and Mr. A. F. Higgins, Executive Engineer, 4th grade, temporary rank, was appointed to officiate for him.

VI.—NIZAM'S STATE RAILWAY.

The maintenance and working of this line were continued to be carried on by Government throughout the year.

In June 1880, Mr. F. Finch, Storekeeper, was transferred to the Indus Valley State Railway, and the appointment on the line abolished; also Mr. H. Dangerfield, Manager, was struck off the strength of this line, as he had been confirmed in his appointment on the Holkar and Sindia-Neemuch State Railway.

In January 1881, Lieutenant F. T. Maxwell, R. E., Officiating Manager, was suddenly killed by a fall from his horse; and Captain G. F. O. Boughey, R. E., Executive Engineer, 1st grade, was appointed to officiate as Manager.

In March 1881, Mr. E. W. M. Hughes, Locomotive Superintendent, was transferred to the Indus Valley State Railway, his services being no longer required on this line.

Capital Account.

The works, &c., chargeable to this head of expenditure, and carried out during the official year under notice, were as follows:—

Construction of line.

(1). Pitching Hussain Sagar Tank.

Stations and Buildings.

(2). Covering in space near locomotive shed, Secunderabad.

(3). Gulaguda station.

(4). Goods-shed at Tandur.

(5). Water-supply at Wadi.

(6). Do. at Hyderabad.

Plant.

(7). Locomotive machinery.

(8). Station and office furniture.

Rolling Stock.

(9.) Locomotive stock.

(10.) Carriage and Waggon stock.

The capital outlay of the year was Rs. 2,11,373.

Revenue Account.

The receipts and expenditure under this head during the calendar year 1880 were as follows:—

Receipts.

Particulars.	No.	Amount.	Remarks.
		Rs. a. p.	
<i>I.—Coaching Traffic.</i>			
1st class passengers ...	2,488½	18,037 4 3	
2nd class do. ...	16,502	41,197 1 7	
3rd class do. ...	1,70,464½	1,16,752 5 2	
4th class do. ...	1,38,014½	90,447 15 1	
Miscellaneous ...	...	42,335 13 6	
Total ...	3,27,469½	3,08,770 7 7	
<i>II.—Goods Traffic.</i>			
General merchandize, special class ...	44,867	1,98,329 10 10	
Do., 1st do. ...	4,984	34,780 2 0	
Do., 2nd do. ...	6,122	51,876 15 0	
Do., 3rd do. ...	3,400	52,179 6 0	
Do., 4th do. ...	355	7,699 14 9	
Do., 5th do. ...	101	3,067 11 0	
Military stores ...	1,447	15,044 0 0	
Railway materials ...	19,397	9,330 2 2	
Minerals ...	132	620 14 0	
Miscellaneous ...	...	7,015 7 9	
Total ...	80,805	3,79,944 3 6	
III.—Electric Telegraph and sundries ...	...	14,001 6 9	
Total Earnings ...	...	7,02,716 1 10	

Expenditure.

Particulars.	Amount.	Remarks.
	Rs. a. p.	
<i>Working Expenses.</i>		
Maintenance of way, works and stations ...	72,583 6 1	
Locomotive expenses ...	1,70,827 10 4	
Carriage and waggon expenses ...	27,682 3 11	
Traffic expenses ...	85,411 12 2	
General charges ...	78,159 7 3	
Steam boat service ...	...	
Special and miscellaneous expenditure ...	43,741 13 1	
Total ...	4,78,406 4 10	

Net profit Rs. 2,24,310, equivalent to 1·84 per cent. on the capital outlay of Rs. 1,21,90,870.

Imperial Buildings and Roads Branch.

Budget Grant for the year 1880-81.

Military ...	...	Rs. 2,81,500
Civil Buildings ...	...	13,000
Establishment ...	...	64,900
Tools and Plant ...	...	3,500
Total ...	...	3,62,900

Expenditure.

Detail	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
ORDINARY EXPENDITURE.						
<i>MILITARY.</i>						
<i>Buildings for the Accommodation of European Troops.</i>						
Secunderabad ...	1,797	455	2,252			
Trimulgherry ...	1,90,580	38,016	2,28,596			
Shahabad ...	...	10	10			
				1,92,377	38,481	2,30,858
<i>Native Troops.</i>						
Secunderabad ...	736	4,418	5,154			
Bowenpully ...	352	...	352			
Chudderghaut ...	...	167	167			
				1,088	4,585	5,673
<i>Ordnance Buildings.</i>						
Secunderabad ...	665	959	1,624			
Trimulgherry ...	...	55	55			
				665	1,014	1,679
<i>Commissariat Buildings.</i>						
Secunderabad ...	967	1,255	2,222			
Trimulgherry ...	52	131	183			
				1,019	1,386	2,405
<i>Fortification.</i>						
Trimulgherry ...	431	599	1,030			
				431	599	1,030
<i>General Cantonment Works and Roads.</i>						
Secunderabad ...	2,540	6,019	8,559			
Trimulgherry ...	21,278	7,921	29,199			
				23,818	13,940	37,758
Total Military ...	...	...	...	2,19,398	60,005	2,79,403
<i>CIVIL BUILDINGS.</i>						
<i>Administration—Residence of Local Government.</i>						
Chudderghaut ...	1,828	4,287	6,115			
Bolarum ...	...	133	133			
				1,828	4,420	6,248
Carried over ...	{			2,19,398	60,005	2,79,403
	{			1,828	4,420	6,248

Expenditure—continued.

Detail.	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	...	...	...	2,19,398	60,005	2,79,403
Postal Works.				1,828	4,420	6,248
Hyderabad ...	725	...	725			
Mehkar ...	473	...	473			
Chikhli ...	592	...	592			
Julgaon ...	461	...	461			
Akola ...	64	35	99			
Shegaon ...	172	18	190			
Nandura ...	22	2	24			
Malkapur ...	22	60	82			
Buldana ...	37	25	62			
Jalna ...	109	10	119			
Aurangabad ...	22	6	28			
Akote ...	22	...	22			
Balapur ...	22	216	238			
Pathur ...	169	14	183			
Basim ...	112	22	134			
Amraoti ...	82	...	82			
Khamgaon ...	23	27	50			
Ellichpur ...	32	34	66			
Trimulgherry ...	60	19	79			
Yeotmal ...	11	...	11			
Secunderabad ...	...	366	366			
Shahabad ...	...	174	174			
Gulburgha ...	...	15	15			
Amraoti ...	...	34	34			
Budnera ...	...	8	8			
Dammungaon ...	...	11	11			
Murtazapur ...	...	8	8			
Ecclesiastical Buildings.				3,232	1,104	4,336
Secunderabad ...	63	677	740			
Trimulgherry ...	133	380	513			
Bolarum ...	159	81	240			
Telegraph Buildings.				355	1,138	1,493
Shahabad ...	...	118	118			
Secunderabad ...	...	24	24			
Hyderabad ...	...	79	79			
General.				...	221	221
Chudderghaut ...	...	...	...			
Trimulgherry ...	...	159	159			
Secunderabad ...	...	19	19			
Total Civil Buildings ...	...	...	...	...	178	178
Total Works ...	...	...	...	5,415	7,061	12,476
Establishment ...	...	...	...	2,24,813	67,066	2,91,879
Tools and Plant ...	...	...	...	...	...	63,725
Total ordinary expenditure ...	...	...	...	...	...	3,071
						3,58,675

Expenditure—concluded.

Detail.	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Add—						
Stock Purchases and Sales ...	...	...	...	...	...	1,755
Miscellaneous Advances ...	...	...	...	...	...	3,850
						3,64,280
Deduct—						
Stock ...	...	...	...	...	...	10,600
Total expenditure in India and England ...	...	...	...	...	...	3,53,680
Deduct—						
Expenditure in England ...	...	...	...	...	...	...
Net outlay in India ...	...	...	...	...	...	3,53,680

PUBLIC WORKS.

PROVINCIAL.

I.—GENERAL.

The budget-grant for the year was 10 lakhs, to which has to be added Rs. 63,000 the amount of the one per cent. cess, the expenditure of which is entrusted to civil officers. The final Provincial grant at the end of the year was Rs. 9,99,749, after making the usual adjustments between Provincial and Local Funds. The expenditure during the year amounted to :—

Provincial ...	Rs. 9,44,705
One per cent. cess ...	34,522

Total Rs. 9,79,227

the percentage of expenditure to grant being—

Provincial ...	94.3
One per cent cess ...	54.3

The lapses were as detailed below :—

Heads.	Final Grant.	Outlay during 1880-81.	Difference.	
			More than Grant.	Less than Grant.
PROVINCIAL.	Rs.	Rs.	Rs.	Rs.
Original Works—				
Military ...	26,100	25,125	...	975
Civil Buildings ...	1,26,341	1,18,589	...	7,752
Agricultural ...	...	54	...	54
Communications ...	4,39,784	4,46,435	6,651	...
Miscellaneous Public Improvements ...	22,533	22,267	...	266
Total ...	6,14,758	6,12,362	...	2,396

Heads.	Final Grant.	Outlay during 1880-81.	Difference.	
			More than Grant.	Less than Grant.
PROVINCIAL—continued.				
	Rs.	Rs.	Rs.	Rs.
<i>Repairs—</i>				
Military	9,630	6,655	...	2,975
Civil Buildings	23,220	16,239	...	6,981
Communications	1,39,741	1,38,971	...	770
Miscellaneous Public Improvements	1,000	232	...	768
Total	1,73,591	1,62,097	...	11,494
Establishment	2,00,000	1,74,257	...	25,743
Tools and Plant	11,400	11,119	...	281
Profit and Loss	...	52	52	...
Suspense	...	15,182	...	15,182
Grand Total	9,99,749	9,44,705	...	55,044
<i>One per cent. cess—</i>				
Original Works	43,095	20,155	...	22,940
Repairs	16,500	11,566	...	4,934
Establishment	2,315	2,108	...	207
Tools and Plant	1,090	693	...	397
Total	63,000	34,522	...	28,478

It may be noticed that, deducting the decrease of suspense balances above noted, the real percentage of lapse under Provincial was only 4.12, which may be considered very satisfactory.

Military.—The bulk of the savings was due to the sub-head "Repairs."

Civil Buildings.—The principal cause of the lapse under this head was the late date of sanction to the enlargement of the district jails in Berar. Rupees 1,664 remained unallotted from the grant-in-aid for schools, which are sanctioned in the Civil Department. Under Repairs there was also a considerable saving.

Communications.—The excess under this head is due to the fact that several roads were pushed on at the end of the year when it was too late to make formal re-appropriations from the lapses under Civil Buildings.

Establishment.—The large saving under this head was due to causes that could not be foreseen.

One per cent. cess.—The large lapse under this head has not been satisfactorily explained. It is due to the failure of civil officers to submit projects for works in proper time.

II.—MILITARY.

The more important works completed or in progress during the year were:—
Completed:—

Armourers' workshop for Native Infantry, Hingoli—

Estimate	...	Rs. 3,608
Expenditure	...	„ 3,603

Re-roofing with Mangalore tiles the Artillery and Cavalry hospital, Hingoli—

Estimate	...	Rs. 3,028
Expenditure	...	„ 3,024

Dam across Gunda Nullah at Aurungabad to improve station water-supply—

Estimate	...	Rs. 3,366
Expenditure	...	„ 3,469

Converting old Hyderabad Contingent Artillery workshop at Lingasagur into Infantry Armourers' shop—

Estimate	...	Rs. 1,399
Expenditure	...	„ 1,539

In progress:—

Constructing a Bullock shed and new workshop at Hingoli—

Estimate	...	Rs. 5,472
Expenditure	...	„ 4,693

Constructing solitary cells for the Infantry quarter guard at Hingoli—

Estimate	...	Rs. 3,063
Expenditure	...	„ 791

Re-constructing right half battalion bells of arms, Hingoli—

Estimate	...	Rs. 4,611
Expenditure	...	„ 4,000

Additions and alterations to the Cavalry and Artillery hospital Hingoli—

Estimate	...	Rs. 8,763
Expenditure	...	„ 1,999

Twenty-six additional huts for Native Infantry, Akola—

Estimate	...	Rs. 8,806
Expenditure	...	„ 4,756

The total expenditure on Repairs, Military, was Rs. 6,485

III.—CIVIL BUILDINGS.

The following were completed—

Alterations to Deputy Commissioner's cutcherry, Ellichpur—

Estimate	...	Rs. 13,372
Expenditure	...	„ 14,825

Constructing a church at Aurungabad—

Estimate	...	Rs. 11,325
Expenditure	...	„ 10,873

Police Station at Nair in the Wun District—

Estimate	...	Rs. 8,065
Expenditure	...	„ 8,074

Police school, store-room and magazine, Basim—

Estimate	...	Rs. 5,728
Expenditure	...	„ 5,848

Office of District Superintendent of Police, Basim—

Estimate	...	Rs. 4,205
Expenditure	...	„ 4,189

Office of District Superintendent of Police, Buldana—

Estimate	...	Rs. 4,493
Expenditure	...	„ 4,494

The following are in progress :—

Enlarging district jail, Ellichpur—

Estimate	...	Rs. 25,360
Expenditure	...	„ 6,874

Enlarging district jail, Buldana—

Estimate	...	Rs. 17,491
Expenditure	...	„ 3,853

Enlarging district jail, Yeotmal—

Estimate	...	Rs. 14,700
Expenditure	...	„ 8,005

Enlarging, &c., Basim jail—

Estimate	...	Rs. 23,828
Expenditure	...	„ 13,000

Re-modelling tehsilee at Ballapur—

Estimate	...	Rs. 5,765
Expenditure	...	„ 2,542

Police station, Tamgaon—

Estimate	...	Rs. 7,207
Expenditure	...	„ 2,315

Police station, Andeira—

Estimate	...	Rs. 6,665
Expenditure	...	„ 4,279

Police station, Futteh-Khelda—

Estimate	...	Rs. 7,499
Expenditure	...	„ 3,264

Police station, Tilhara—

Estimate	...	Rs. 7,307
Expenditure	...	„ 3,364

Police station, Lonar—

Estimate	...	Rs. 6,665
Expenditure	...	„ 5,505

Police station, Ghatanji—

Estimate	...	Rs. 8,004
Expenditure	...	„ 4,037

Police station, Khair—

Estimate	...	Rs. 8,531
Expenditure	...	„ 5,001

Constructing Executive Engineer's quarters with out-houses, Yeotmal—

Estimate	...	Rs. 10,268
Expenditure	...	„ 1,700

Constructing Executive Engineer's office with out-houses, divisional store-room and workshop, Yeotmal—

Estimate	...	Rs. 8,382
Expenditure	...	„ 1,500

Grants-in-aid to schools were made aggregating Rupees 4,843.

The expenditure on Repairs to Civil Buildings was Rupees 16,415.

IV.—ROADS.

Ellichpur-Peli.—The third section, 9 miles long, of this ghat road was entirely completed during the year.

Estimate	...	Rs. 1,27,577
Expenditure	...	„ 1,23,450

With the fourth section, 7 miles long, fair progress was made; but the unhealthy season prevented any very large expenditure.

Estimate	...	Rs. 64,741
Expenditure	...	„ 32,081

Bulgaon-Chandur road, 16½ miles long.—Earthwork nearly completed—

Estimate	...	Rs. 64,082
Expenditure	...	„ 19,980

Ghatang-Chickulda, 3rd class road, 13½ miles long.—Commenced—

Estimate	...	Rs. 17,495
Expenditure	...	„ 4,802

Khamgaon Pulhur road, 34 miles long.—Completed throughout, and opened to traffic—

1st section, 14 miles long.	{ Estimate	...	Rs. 87,701
	{ Expenditure	...	„ 81,145
2nd section, 8½ miles long.	{ Estimate	...	Rs. 43,712
	{ Expenditure	...	„ 41,773
3rd section, 11½ miles long.	{ Estimate	...	Rs. 42,122
	{ Expenditure	...	„ 42,223

Khamgaon-Sheogaon road, 10 miles long.—Completed—

Estimate	...	Rs. 53,529
Expenditure	...	„ 46,517

Road to connect Khamgaon-Sheogaon with Khamgaon-Nandura road, 1½ miles long.—Almost completed—

Estimate	...	Rs. 2,388
Expenditure	...	„ 2,057

Amrapur-Chikhli road, 14 miles long.—All but completed—

Estimate	...	Rs. 62,476
Expenditure	...	„ 56,627

Amrapur-Lavalla road, 11 miles long.—All but completed—

Estimate	...	Rs. 45,474
Expenditure	...	„ 44,064

Nandura-Julgaon road, 16½ miles long.—Commenced—

Estimate	...	Rs. 67,043
Expenditure	...	7,231

Chickli-Dawulgaon Raja road, 32 miles long.—Commenced, and considerable progress made during the year—

Estimate	...	Rs. 92,667
Expenditure	...	53,870

Basim-Pusad road, 36½ miles long.—First and second sections completed; third section nearly done.

1st and 2nd sections, 26 miles long.	{ Estimate	...	Rs. 1,02,772
	{ Expenditure	...	96,907

3rd section 10 miles long:—

3rd section, 10 miles long.	{ Estimate	...	Rs. 58,454
	{ Expenditure	...	45,665

Collection of metal and consolidation to be completed, and rest-house at Khandalla to be built.

Basim-Pir Mungrul road, 21½ miles long.—Completed, except one or two bridges and metal collection and consolidation—

Estimate	...	Rs. 67,075
Expenditure	...	56,843

Mungrul-Pir Karinja road, 16½ miles long.—Completed, except metal collection and consolidation and one or two culverts—

Estimate	...	Rs. 62,364
Expenditure	...	45,246

Yeotmal-Darwaha road, 26½ miles long.—Completed—

Estimate	...	Rs. 1,65,336
Expenditure	...	1,58,699

Oomri-Pandakhovra road, 5¾ miles long.—Begun—

Estimate	...	Rs. 31,560
Expenditure	...	1,194

Yeotmal-Wun road, first section, 14¾ miles long.—The earthwork, bridging, and metal collection made good progress—

Estimate	...	Rs. 89,531
Expenditure	...	62,316

Yeotmal-Wun road, second section, 18 miles long.—Earthwork well forward; bridging in progress—

Estimate	...	Rs. 1,06,603
Expenditure	...	28,317

Restoring old Nagpur dak line in Amraoti District.—Half done—

Estimate	...	Rs. 8,020
Expenditure	...	3,153

Improving road between Poorna and Shanoor rivers.—Completed—

Estimate	...	Rs. 11,459
Expenditure	...	11,278

Bridges.—The stone bridge of 16 spans of 40 feet over the Pedhi river, near Ellichpur, was well pushed on. The whole of the foundations were completed and the superstructure raised an average of 17 feet above top of foundation level:—

Estimate	...	Rs. 1,30,644
Expenditure	...	51,229

Re-constructing Khelda bridge, 9th mile, Murtazapur-Karinja road.—Completed—

Estimate	...	Rs. 6,148
Expenditure	...	6,038

Restoration of culverts on the Akola-Akote road.—

Estimate	...	Rs. 7,061
Expenditure	...	6,899

Re-building bridge of 2 spans of 15 feet on the Khamgaon-Nandura road.—Completed—

Estimate	...	Rs. 3,184
Expenditure	...	3,654

Causeway across the Mun river at Ballapur.—In progress—

Estimate	...	Rs. 6,740
Expenditure	...	1,518

Lengthening wing walls of submerged Payne Gunga bridge.—Completed—

Estimate	...	Rs. 5,189
Expenditure	...	5,171

Re-roofing combined rest-house and traveller's bungalow at Damungaon.—Completed—

Estimate	...	Rs. 2,946
Expenditure	...	2,816

Constructing combined rest-house and traveller's bungalow at Murtazapur.—

Estimate	...	Rs. 8,258
Expenditure	...	4,377

Combined rest-house and traveller's bungalow at Julgaon.—

Estimate	...	Rs. 6,016
Expenditure	...	6,058

Several wells were dug for the use of road establishment and travellers and for the use of plantations.

The outlay on Repairs, Communications, during the year amounted to Rs. 1,38,971.

V. MISCELLANEOUS PUBLIC IMPROVEMENTS.

Masonry dam at Wagdeo in the Ellichpur District.—Completed—

Estimate	...	Rs. 2,324
Expenditure	...	1,683

Restoring Nagheera tank at Chickulda.—

Estimate	...	Rs. 1,701
Expenditure	...	1,450

Tank for water-supply at Sheogaon.—Completed—

Estimate	...	Rs. 44,335
Expenditure	...	47,041

Tank at Akutwarra.—In progress—

Estimate ...	Rs.	14,569
Expenditure...	"	9,198

Tank at Mookutbun.—In progress—

Estimate ...	Rs.	11,945
Expenditure...	"	8,807

The whole of the above works are for improving the water-supply of the province.

Rupees 232 only were spent for Repairs under this head.

VI.—TOOLS AND PLANT.

The total expenditure under this head was Rs. 11,085.

VII.—ESTABLISHMENT.

The cost of Establishment during the year under review amounted to Rs. 1,72,975, being 22·02 per cent. on the actual outlay on works.

The following changes took place in the Engineer Establishment of the province during the year:—

Mr. S. Jarman, Assistant Engineer, 2nd grade, was transferred temporarily to the Railway Branch.

Messrs. A. Leventhorpe and H. R. F. Ash, Assistant Engineers, 2nd grade, joined from Cooper's Hill.

VIII.—LOCAL FUNDS.

Excluded Funds.

The budget-grant for Public Works under this head was Rs. 2,16,124, of which Rs. 1,81,045 was utilized as detailed below, viz.:—

Akola	...	Rs. 71,907
Buldana	...	" 23,017
Basim	...	" 12,591
Amraoti	...	" 19,698
Ellichpur	...	" 43,310
Wun	...	" 10,522
Total Rs.		<u>1,81,045</u>

The percentage of lapse was thus 16·23.

Incorporated Funds.

The budget-grant for Public Works was Rs. 1,10,057, of which Rs. 76,985 was utilized as detailed below:—

Akola	...	Rs. 31,691
Buldana	...	" 7,860
Basim	...	" 5,542
Amraoti	...	" 12,027
Ellichpur	...	" 9,445
Wun	...	" 11,434
	...	" 1,014
Total Rs.		<u>76,985</u>

The percentage of lapse being 30.

The continued large lapse of Local Funds of Berar is not satisfactory.

IX.—BERAR RAILWAYS.

The lines were maintained and worked by Government agency until November 1st, 1880, when they were taken over by the Great Indian Peninsula Railway Company, who continued to work them for the rest of the year.

KHAMGAON RAILWAY.

Receipts.

From April 1st, 1880, to March 31st, 1881...	Rs. 16,098
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Expenditure.

Working charges from 1st April 1880 to 31st March 1881	} Rs. 25,121
Maintenance ...	

Net loss Rs. 9,023

Or equivalent to 1·82 per cent. on the capital outlay of Rs. 4,94,271.

AMRAOTI RAILWAY.

Receipts.

During same period as on Khamgaon Railway	Rs. 39,418
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Expenditure.

Working charges	...	} for same periods ...	...	Rs. 55,038
Maintenance	...			
				Net loss Rs. 15,620

Equivalent to 3·50 per cent. on the capital outlay of Rs. 4,45,663.

IX.—IRRIGATION.

No works coming under this head have been undertaken during the year.

Appendix B.—PUBLIC WORKS.

Buildings and Roads Branch, Hyderabad Assigned Districts—1880-81.

Final grant Rs. 10,62,749.

	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
MILITARY.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Buildings for Accommodation of Troops.</i>						
<i>Hospital Accommodation.</i>						
Akola	4,756	...	4,756			
Hingoli	3,255	...	3,255			
Bolarum	804	282	1,086			
Aurangabad	937	...	937	9,752	282	10,034
<i>Auxiliary Accommodation.</i>						
Mominabad	...	64	64			
Hingoli	10,504	620	11,124			
Ellichpur and Amraoti	63	187	250			
Bolarum	2	705	707			
Aurangabad, Jalna, and Akola	...	529	529			
Lingasugur	337	...	337	10,906	2,105	13,011
<i>General Cantonment.</i>						
Aurangabad	1,149	...	1,149			
Bolarum	...	344	344			
Ellichpur	...	438	438			
Lingasugur	176	524	700			
Hingoli	431	...	431	1,756	1,306	3,062
<i>Ordnance.</i>						
Aurangabad	969	...	969			
Ellichpur	421	...	421	1,390	...	1,390
<i>Petty works costing Rs. 200 each and under.</i>						
East Berar	...	...	...	188	787	975
West Berar	...	...	...	1,104	1,210	2,314
South Berar	...	...	...	29	965	994
Total Military	...	...	...	25,125	6,655	31,780
CIVIL BUILDINGS.						
<i>Land Revenue Buildings.</i>						
Akola	254	...	254			
Buldana	265	...	265			
Khamgaon	432	...	432			
Julgaon	603	...	603			
Balapur	2,542	...	2,542			
Ellichpur	13,491	...	13,491			
Amraoti	1,193	...	1,193			
Morsi	1,016	...	1,016			
Chandur	554	...	554			
Mungrul	161	...	161			
Basim	342	...	342			
Wun and Panderkowra	1,190	...	1,190			
Budneira	...	214	214			
West Berar (several stations)	...	173	173			
East Berar (do.)	...	363	363	22,043	750	22,793
Carried over	...	...	...	22,043	750	22,793

	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CIVIL BUILDINGS.—(continued.)						
Brought forward ...	...	...	...	22,043	750	22,793
<i>Law and Justice.</i>						
Amraoti ...	623	...	623			
Basim ...	...	450	450			
East Berar Division ...	...	394	394			
West Berar do. ...	...	346	346	623	1,190	1,819
<i>Jails.</i>						
Amraoti ...	1,004	343	1,347			
Ellichpur ...	13,584	...	13,584			
East Berar Division ...	...	326	326			
Akola ...	736	200	936			
Buldana ...	3,997	...	3,997			
Basim ...	13,369	...	13,369			
Yeotmal ...	8,387	...	8,387	41,077	869	41,946
<i>Police.</i>						
Tillara, Tamgaon, Lonar, Andera, and Futtekhhelda ...	15,720	...	15,720			
Akola ...	598	...	598			
Buldana ...	1,561	...	1,561			
Mehkar ...	...	400	400			
Assaygaon ...	1,020	...	1,020			
Burroor ...	1,677	...	1,677			
Anjangaon ...	54	...	54			
East Berar Division ...	...	481	481			
West Berar do. ...	...	175	175			
Basim ...	412	...	412			
Khair ...	3,264	...	3,264			
Nair ...	5,768	...	5,768			
Rissode ...	995	...	995			
Ghatanji ...	4,018	...	4,018			
Kulgaon ...	...	195	195	35,093	1,251	36,344
<i>Educational.</i>						
Basim ...	1,000	...	1,000			
Amraoti ...	1,967	...	1,967			
Akola ...	2,057	...	2,057			
West Berar Division ...	...	1,411	1,411			
East Berar do. ...	...	...	...			
South Berar do. ...	...	...	...	5,024	1,411	6,435
<i>Ecclesiastical.</i>						
Aurangabad ...	120	...	120			
Khamgaon ...	288	...	288			
Bolarum ...	438	...	438			
West Berar Division ...	...	48	48			
Amraoti ...	547	...	547			
Ellichpur ...	592	...	592	1,985	48	2,033
<i>Medical.</i>						
Wun and Panderkowna ...	635	...	635			
Yeotmal ...	333	...	333			
Anjangaon and Chandur Bazaar...	313	...	313			
East Berar ...	...	232	232			
Carried over ...	1,281	232	1,513	1,05,845	5,525	1,11,370

	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CIVIL BUILDINGS.—(continued.)						
Brought forward ...	...	...	...	1,05,845	5,525	1,11,370
<i>Medical.—(continued.)</i>						
Brought forward ..	1,281	232	1,513			
Jalgaon ...	95	...	95			
Buldana ...	198	...	198			
West Berar ...	...	101	101	1,574	333	1,907
<i>Forests.</i>						
Basim ...	168	...	168	168	...	168
<i>Administration.</i>						
Hyderabad ...	3,083	958	4,041	3,083	958	4,041
<i>Public Works Department.</i>						
Basim ...	1,700	...	1,700			
Yeotmal ...	1,500	...	1,500			
West Berar Division ...	...	19	19	3,200	19	3,219
<i>General.</i>						
Amraoti ...	88	...	88			
Akola ...	463	...	463			
West Berar Division ...	...	39	39	551	39	590
<i>Petty works costing Rs. 200 each and under.</i>						
East Berar ...	...	...	...	1,182	2,439	3,621
West Berar ...	...	...	...	2,400	4,867	7,267
South Berar ...	...	...	...	803	2,059	2,862
Deduct—				1,18,806	16,239	1,35,045
Outlay from Contributions ...	...	...	...	217	...	217
Total Civil Buildings ...	...	...	...	1,18,589	16,239	1,34,828
AGRICULTURAL.						
Ambona ...	54	...	54	54	...	54
Total Agricultural ...	...	...	...	54	...	54
COMMUNICATIONS.						
Khamgaon-Pathur Road, 1st Section ...	389	2,263	2,657			
Khamgaon-Pathur Road, 2nd Section ...	2,590	...	2,590			
Khamgaon-Pathur Road, 3rd Section ...	4,121	...	4,121			
Causeway across Mun River, near Ballapur ...	1,518	...	1,518			
Carried over ...	8,618	2,268	10,886			

	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
COMMUNICATIONS—(continued.)						
Brought forward ...	8,618	2,268	10,886			
Khamgaon-Sheogaon road ...	5,699	633	6,332			
Akola-Akote road ...	10,205	5,323	15,528			
Akola-Basim-Hingoli road ...	4,249	37,219	41,468			
Khamgaon-Amrapur road ...	613	10,244	10,857			
Chickli-Mehkar road ...	2,012	3,390	5,402			
Mulkapur-Chickli road ...	340	12,918	13,258			
Sheogaon-Akote road ...	1,518	8,080	9,598			
Khamgaon-Nandura road ...	3,654	3,803	7,457			
Amrapur-Lavalla road ...	10,033	...	10,033			
Amrapur-Chickli road ...	26,662	...	26,662			
Nandura-Julgaon road ...	7,231	...	7,231			
Chickli-Deulgaon Raja road ...	53,870	...	53,870			
Converting Dispensary at Julgaon into a combined Public Works Inspection Bungalow and Rest-House for general public ...	3,715	...	3,715			
Ellichpur-Pili road, 3rd Section ...	22,943	...	22,943			
Do., 4th Section ...	25,905	...	25,905			
Amraoti-Ellichpur road ...	47,065	13,507	60,572			
Bulgaon-Chandur road ...	19,992	...	19,992			
Re-roofing combined Rest-House and Traveller's Bungalow at Damungaon ...	2,816	...	2,816			
Karinja-Murtazapur road ...	3,511	9,824	13,335			
Rest-House and Traveller's Bungalow at Murtazapur ...	4,376	...	4,376			
Repairing Nagpur Dāk line ...	3,153	2,978	6,131			
Murtazapur-Daryapur road ...	...	...	...			
Ghatang-Chickulda road ...	5,088	...	5,088			
Basim-Pusad road, 1st Section ...	106	1,737	1,843			
Do., 2nd Section ...	7,000	...	7,000			
Do., 3rd Section ...	32,059	...	32,059			
Basim-Pir Mungrol road ...	27,993	...	27,993			
Mungrool-Pir Karinja road ...	32,145	...	32,145			
Yeotmal-Wun road, 1st Section ...	32,804	...	32,804			
Do., 2nd Section ...	19,992	...	19,992			
Khandalla-Oomerkhair road ...	...	...	...			
Lengthening north wing walls of Pyneunga submerged bridge ...	5,171	...	5,171			
Yeotmal-Darwah road ...	4,922	1,271	6,193			
Branch road from Yeotmal-Wun road at Oomri to Panderkowra ...	1,195	...	1,195			
Combined Inspection and Traveller's Bungalow on banks of Purna River near Assaygaon ...	1,808	...	1,808			
Pili-Kalankar road ...	3,500	...	3,500			
Adding verandah to out-houses of Dak Bungalow, Basim ...	...	108	108			
Repairing Chandur Serai ...	...	250	250			
Do. road in Daryapur Taluk ...	...	390	390			
Repairing in Ellichpur Taluk ...	...	307	307			
Do. fair weather road from Chickli to Deulgaon Raja ...	...	364	364			
Repairing fair weather road from Buldana to Khamgaon ...	...	600	600			
Amraoti-Mussi road ...	...	8,456	8,456			
Damungaon-Yeotmal road ...	...	8,865	8,865			
Carried over ...	4,42,013	1,32,585	5,74,548			

	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
COMMUNICATIONS—(continued.)						
Brought forward ...	4,42,013	1,32,535	5,74,548			
Amraoti-Budneira road ...	...	2,862	2,862			
Road approaches to Railway Station, Amraoti ...	...	321	321			
Ellichpur-Pili road, 1st Section ...	...	2,689	2,689			
Special repairs to bridges and drains on Amraoti-Ellichpur road ...	...	1,603	1,603			
Special repairs to culverts and drains on Karanja-Murtazapur road ...	...	360	360			
Removing Landslip below Fort gate of Gawilgurih ...	...	330	330			
Petty works costing Rs. 200 each and under.						
South Berar ...	822	8	830			
East Berar ...	113	167	280			
West Berar ...	472	109	581			
Amraoti District ...	1,371	1,518	2,889			
Akola do. ...	905	1,067	1,972			
Ellichpur do. ...	1,127	97	1,224			
Basim do. ...	2,075	2,599	4,674			
Wun do. ...	1,078	2,973	4,051			
Buldana do. ...	1,305	1,294	2,599			
Tending and watering trees on 1st 3 miles of Khamgaon-Pathar road ...	955	...	955			
Combined Travellers and Public Works Inspection Bungalow, Buldana ...	1,616	...	1,616			
Masonry round the mile posts of roads in West Berar Division ...	717	...	717			
Watering young trees on 1st Section, Chickli-Mehkar road ...	290	...	290			
Do. do. Sheogaon-Akote road ...	740	...	740			
Planting trees in Buldana Sub-Division ...	550	...	550			
Surveying and marking out Devulgaon Raja road to Jalna road ...	136	...	136			
Addition of parapets to culverts between Mulkapur and Chickli. Jeri-Devulghat road ...	117	...	117			
Improving approaches to bridge over Khamgaon River ...	836	...	836			
Dismantling and re-building Public Works Inspection Bungalow, Wagoli ...	512	...	512			
Survey and alignment of Karinjah-Darwah road ...	85	...	85			
Re-arranging milestones on the three roads branching off from Amraoti ...	452	...	452			
Survey of Morsi-Burroor road ...	273	...	273			
Do. Nandura-Ralegaon road ...	115	...	115			
Road from Ellichpur Cutcherry to City ...	428	...	428			
Carried over ...	4,59,941	1,50,537	6,10,478			

	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
COMMUNICATIONS—(concluded.)	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward...	4,59,941	1,50,537	6,10,478			
Survey of Ghatang-Chiculda road.	35	...	35			
Two drains on road from Camp						
Post Office at Ellichpur City ...	549	...	549			
Additions and alterations to Khelda						
Rest-House ...	354	...	354			
Survey of Amraoti-Kholapur road..	84	...	84			
Sinking a well at Ajitpur ...	700	...	700			
Serai at Ellichpur City ...	295	...	295			
Musafirkhana at Gowhan ...	550	...	550			
Improving nullah near Anjangaon.	250	...	250			
Road from Ansing to Basim-Pusad						
road ...	817	...	817			
Musafirkhana at Yeodab ...	675	...	675			
Do. at Pimplode ...	675	...	675			
New well between Babli and Itkee.	700	...	700			
Do. between Sehegaon and						
Khambani ...	400	...	400			
Causeway over nullah at Chickli ..	570	...	570			
Improving nullah at Pandri ...	250	...	250			
Musafirkhana at Koondoowanah...	215	...	215			
Do. at Chowsae ...	305	...	305			
Causeway at Adole ...	395	...	395			
Branch road to Panchghan ...	332	...	332			
Serai at Bawanbeer ...	126	...	126			
Do. at Pathurda ...	401	...	401			
Do. at Arjuna ...	300	...	300			
Do. at Danwah ...	300	...	300			
Causeway over Bhetkbera Nullah.	546	...	546			
Serai at Ellichpur ...	391	...	391			
Pucca well between Mardi and						
Kurha ...	276	...	276			
Do. between Takra and						
Dhanaz ...	84	...	84			
Deduct—				4,70,516	1,50,537	6,21,053
Outlay from contributions ...	...	...	...	4,205	...	4,205
Total Communications ...	...	...	...	4,66,311	1,50,537	6,16,848
MISCELLANEOUS PUBLIC IMPROVEMENTS.						
Dam at Wagdeo ...	327	...	327			
Restoring old water works, Ellich-						
pur ...	330	...	330			
Do. Naggheera tank, Chiculda.	513	...	513			
Well at Pimplode ...	679	...	679			
Tank at Mookutbund ...	8,982	...	8,982			
Wackud tank ...	37	...	37			
Akutwarratank ...	9,182	...	9,182			
Sheogaon do. ...	1,318	...	1,318			
Well at Nimbhi ...	943	...	943			
Do. at Adampur ...	300	...	300			
Carried over ...	22,611	...	22,611			

	Total of each Station.			Total of each Class.		
	Original Works.	Repairs.	Total.	Original Works.	Repairs.	Total.
MISCELLANEOUS PUBLIC IMPROVEMENTS—(concluded.)	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward...	22,611	...	22,611			
Petty works costing Rs. 200 each and under.						
East Berar ...	135	65	200			
West Berar ...	403	195	598			
South Berar ...	8	167	175			
				23,157	427	23,584
Deduct—						
Outlay from contributions ...	...	...	...	611	195	806
Total Miscellaneous Public Improvements ...	...	...	...	22,546	232	22,778
Total Works and Repairs ...						8,06,180
Establishment ...						1,76,365
Tools and Plant ...						11,812
Profit and Loss...						52
Add—						9,94,409
Increase in suspense balances						...
Deduct—						
Decrease in suspense balances—					Rs.	
Stock purchases and sales...					91	
Stock ...					5,688	
Miscellaneous advances ...					9,403	
						15,192
Grand total of provincial service expenditure during 1880-81 ...						9,79,227
Abstract.						
Debited against provincial funds (pure)					Rs.	
Do. do. (one per cent. cess)					9,44,705	
					34,522	
Total ...					9,79,227	

OFFICE OF EXAMINER,
PUBLIC WORKS ACCOUNTS, HYDERABAD,
Secunderabad, 11th June 1881.

J. B. BRADDON,
Examiner,
Public Works Accounts, Hyderabad.

B.—PUBLIC WORKS.
 2. (STATE RAILWAYS.)—Statement showing the (Capital) income and expenditure on productive works in the Hyderabad Assigned Districts for the year 1880-81.

Names of large works or class of minor works.	Whether received from Native Government or wholly made by British Government.	Capital expenditure from Benar Revenues.	Receipts and expenditure during the year.				Remarks.
			Gross income.	Cost of establishment.	Cost of repairs and maintenance.	Charges for interest.	Net surplus and deficit.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Khamgaon State Railway ...	... } Wholly made by	{ 4,94,271	16,098	...	...	2,43,460	...
Amraoti State Railway ...	... } British Govt. ...	{ 4,45,663	39,418	...	...	2,01,967	...
Total Rupees ...	...	9,39,934	55,516	...	...	4,45,427	...

C.—RAILWAYS.

Name of Railway.	Mileage opened during the year.	Total miles opened.	Passengers during the year.				Receipts from passengers.	Receipts from merchandise.	Receipts from railway material.	Total receipts during 1880-81.	Maintenance and working expenses during 1880-81.	Net profits.	No. of European staff.	No. of Native staff.	Total Capital expenditure.
			1st Class.	2nd Class.	3rd Class.	4th Class.									
							Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs.
Khamgaon State Railway..	7.53	7.53	...	...	...	*	...	...	...	16,098	25,121	-9,023	*	*	4,94,271
Amraoti State Railway ...	5.5	5.5	...	...	...	*	...	...	...	39,418	55,038	-15,620	...	...	4,45,663

* Particulars cannot be furnished, as the line was worked by the Great Indian Peninsula Railway Company from the 1st of November 1880.

Mr G. M. L. / 4447 / 19