

(1) Number of pages_____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	3066	Press
B.P. No.		Mis.
Dated	16 - 11	1876
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
16th November 1876. No. 3,066.*

No. 273. Read the following Proceedings of the Government of India in the Public Works Department, (Account—General,) dated Simla, 27th October 1876, Nos. 934—43 A—G:—

Abstract Estimates of value of Stores likely to be indented for from England for Public Works other than State Railways during 1877-78.

Read again—

Public Works Department Endorsement Nos. 619—38 A—G, dated 20th July 1876.

Read also the following papers:—

Letter from the Government of Madras, No. 2,464, dated 15th September 1876.
 of Bombay, No. 259 A—1,431, dated 11th August 1876.
 " " " of " No. ¹⁷²/₅₀ A—I, dated 23rd August 1876.
 " " " of Bengal, No. 3,102 A, dated 29th August 1876.
 " " " of " No. 692 I—A, dated 22nd August 1876.
 " " " of North-Western Provinces, No. 979 A, dated 10th August 1876.
 " " " of the Punjab, No. 4,060 A—I, dated 1st September 1876.
 " " " Chief Commissioner, British Burmah, No. 3,170—2 A, dated 22nd July 1876.
 " " " Secretary to Resident at Hyderabad, No. 301 G—A, dated 15th August 1876.
 " " " Agent, Governor-General for Central India, No. 2,673, dated 17th August 1876.
 " " " Chief Commissioner, Mysore, No. ^{2,207}/₂₄₅ A—G, dated 20th August 1876.
 " " " " " " No. 1 I—A, dated 28th August 1876.

RESOLUTION.—The Government of India having had under consideration the several abstract estimates of the value of stores likely to be indented for from England for Public Works during 1877-78, consider it necessary to raise the question whether several of the articles for which provision has been made in the estimates may not, in accordance with the Public Works Department Resolution, Nos. 619—38 A—G, dated 20th July 1876, be procured or manufactured locally.

2. The following abstract shows the provision made in the estimates as submitted by the several Local Governments and Administrations:—

BUILDINGS AND ROADS BRANCH.

	Madras.	Bombay.	Bengal.	North-Western Provinces.	Hyderabad.	Central India.	Mysore.	Total.
	£	£	£	£	£	£	£	£
Iron of sorts	...	2,253	1,551	11,000	...	...	...	14,801
" girders, &c.	...	...	...	...	...	...	2,617	2,617
" mongery	1,000	...	...	...	3,500	...	...	1,000
Machinery	...	...	...	...	...	...	...	3,500
Mathematical, Surveying and Scientific Instruments and Drawing materials	...	...	...	192	...	...	...	192

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BUILDINGS AND ROADS BRANCH—(Continued).

	Madras.	Bombay.	Bengal.	North-Western Provinces.	Hyderabad.	Central India.	Mysore.	Total.
Small stores	£	£	£	£	£	£	£	£
Miscellaneous	500	1,560	...	4,000	...	...	...	5,560
Metals	...	...	...	100	...	...	...	500
Tools	...	...	...	...	...	...	1,675	1,675
Pipes	...	...	...	...	...	3,500	...	3,500
Total ...	1,500	3,813	1,551	15,292	3,500	3,500	4,292	33,448
To be provided for as follows:—								
Ordinary Imperial Funds ...	...	883	...	192	3,500	3,500	...	8,075
To be treated (Provincial Funds as Remittan- Workshops, &c. ces to India. Foreign Funds	1,500	2,930	1,551	15,100	...	...	...	21,081
	...	...	...	...	...	...	4,292	4,292
Total as above ...	1,500	3,813	1,551	15,292	3,500	3,500	4,292	33,448

IRRIGATION BRANCH.

	Bombay.	Bengal.	Punjab.	British Burmah.	Mysore.	Total.
Iron of sorts... ..	£	£	£	£	£	£
Mathematical, Surveying and Scien- tific Instruments and Drawing materials	50	...	...	...	276	326
Steam Launch	...	...	...	700	...	700
Small stores	...	300	7	...	...	307
Miscellaneous	...	150	13	...	76	239
Metals	...	2,000	148	...	...	2,148
Tools... ..	...	300	213	...	869	1,382
Pipes... ..	...	...	...	...	1,300	1,300
Turbines	500	...	...	...	...	500
Machinery	...	100	...	...	...	100
Painters' stores	...	...	47	...	...	47
Total ...	550	2,850	879	700	2,521	7,500
To be provided for as follows:—						
Extraordinary	500	2,850	...	...	...	3,350
Ordinary	50	...	879	700	...	1,629
Foreign funds	...	...	...	...	2,521	2,521
Total as above ...	550	2,850	879	700	2,521	7,500

DISTRIBUTION OF ABOVE BY PROJECTS.

	Bombay—	Bengal—	Extraordinary.	£	£
Mutha Canal	...	...	...	500	...
Soane works	...	...	...	2,850	3,350

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Ordinary.	£	£
Bombay... ..	50	...
Punjab	879	...
British Burmah	700	1,629
Foreign Funds.	...	2,521
Mysore	...	7,500
Total ...	...	...

SUMMARY OF THE PRECEDING ESTIMATES.

	TO BE TREATED AS FINAL CHARGES IN HOME ACCOUNTS.			TO BE TREATED AS REMITTANCE IN HOME ACCOUNTS.			Grand Total.
	Ordinary.	Extra- ordinary.	Total.	Provincial Funds.	Foreign Funds.	Total.	
Public Works other than Irrigation	£	£	£	£	£	£	£
Irrigation	8,075	...	8,075	21,081	4,292	25,373	33,448
Irrigation	1,629	3,350	4,979	...	2,521	2,521	7,500
Total ...	9,704	3,350	13,054	21,081	6,813	27,894	40,948

BUILDINGS AND ROADS BRANCH.

Bombay.

3. Provision has been made in the estimate to the extent of £100 for an anticipated demand for coals and coke. There seems to be no reason why materials of local produce may not be substituted for coals and coke procured from England, and the Government of India would beg of the Government of Bombay to arrange accordingly.

4. The estimate also contains a provision for £2,100 for 10-ton Steam Road-rollers. Asked whether, under present financial circumstances, the purchase of the rollers cannot be deferred, the Government of Bombay states in letter No. 285 A—1,591, dated 12th September 1876, that the purchase of the rollers “can, of course, be deferred, but that, for economical reasons, it is not advisable to do so,” as “the saving in the cost of rolling in hard basalt road-metal by means of heavy steam rollers will very far exceed any loss on exchange in remitting payment for the rollers.” No particulars, however, have been given to show how far the saving referred to would result in economy. While allowing the provision for the rollers to stand, the Government of India would be glad to be furnished with precise information on the point of economy in the use of rollers.

North-Western Provinces.

5. For the Roorkee Workshops the estimate provides for—	£
Iron to the value of	11,000
Brass and copper do.	100
Small stores do.	4,000
	15,100

The Government of India deems it worthy of careful consideration whether a portion of the iron required cannot be obtained from local produce, or at all events,

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whether experiments may not be made in the use of such products in making up materials in the workshops. The Government, North-Western Provinces, will doubtless agree in the expediency of this view, and arrange for the wishes of the Government of India in the matter being carried out: but a report as to the action taken to this end should be submitted for the information of the Honorable the President in Council.

6. For the Thomason College Press a provision of £33-5-0 has been made for Paper of kinds, and £18-4-0 for Binders' cloth. Here again the possibility of substituting materials of local produce for those of English manufacture presents itself. The Government of India will be glad of an expression of opinion from the Government, North-Western Provinces, whether the resources of the local market cannot be utilized to provide for the above requirements.

7. The other materials entered in the estimate for the Thomason College Press, which the Government of India consider may be provided from local resources, are—

Skins of sorts	...	...	...	...	£	s.	d.
Twine	...	...	...	...	27	2	6
Types of sorts	...	...	...	...	3	5	0
	...	...	...	...	41	15	7

There seems to be no reason why the types required cannot be made up at the Roorkee Workshops, and the twine be manufactured in the local markets, the skins required being obtained, if necessary, from any local establishment or Government store. This should be done, and the provision in the estimate for the materials has, therefore, been struck out.

Hyderabad.

8. The estimate amounts to £3,500 and provides for the following articles:—

6 Horse-power Pumping Engine by Ramson and Rapier with boiler, &c., complete...	£
Piping, cocks, &c.	1,200
	2,300

It has been explained that the machinery is required for use in connection with the project for water-supply to the 1st Regiment, British Infantry, the Royal Artillery, and the Regiment of British Cavalry at Trimulgherry. The Honorable the President in Council considers that the question of the expense of procuring the piping, &c., from England, as compared with cost of obtaining them from Government Workshop Establishments, or the Workshops at Nahun should be considered. Pending a report on this point the sum of £2,300 entered for the purpose in the estimate has been struck out.

Central India.

9. The estimate provides for an outlay of £3,500 on the purchase of 500 tons of Iron-piping which it has been explained is required for use in connection with the water-supply project at Mhow. Here again the question of the cost of obtaining the stores from Government Workshops or the Establishment at Nahun, as compared with the cost of obtaining them at Nahun should be considered and reported upon. Pending this information, the sum of £3,500 entered for the purpose in the abstract estimate has been struck out.

IRRIGATION BRANCH.

British Burmah.

10. The question of the possibility of providing the Steam Launch required for the Henzadah Division by the Dockyard at Calcutta, should be considered in com-

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munication with the dockyard authorities at Calcutta, and reported upon. The sum of £700 entered for the purchase of the launch in the estimate has therefore been struck out.

11. The following is a summary of the provision made in the Abstract Estimate forwarded to the Secretary of State for India as reduced by the above orders:—

BUILDINGS AND ROADS.

	Madras.	Bombay.	Bengal.	North-Western Provinces.	Hyderabad	Mysore.	Total.
	£	£	£	£	£	£	£
Iron of sorts	...	2,253	1,551	11,000	...	...	14,804
„ girders, &c.	...	...	...	...	...	2,617	2,617
„ mongery	1,000	...	...	...	1,200	...	1,000
Machinery	...	...	...	...	...	...	1,200
Mathematical, Surveying and Scientific instruments and Drawing materials	...	...	...	102	...	...	102
Small stores	...	1,460	...	4,000	...	...	5,460
Miscellaneous	500	...	...	100	...	...	500
Metals	...	...	...	...	...	1,675	100
Tools	...	...	...	...	...	...	1,675
Pipes	...	...	...	...	...	...	...
Total	1,500	3,713	1,551	15,202	1,200	4,292	27,458
To be provided for as follows:—							
Ordinary Imperial funds	...	860	...	102	1,200	...	2,162
To be treated as re-mittances to India. { Provincial funds, work-shops, &c. ...	1,500	2,853	1,551	15,100	...	...	21,004
{ Foreign funds	...	...	...	...	...	4,292	4,292
Total as above	1,500	3,713	1,551	15,202	1,200	4,292	27,458

IRRIGATION BRANCH.

	Bombay.	Bengal.	Punjab.	Mysore.	Total.
	£	£	£	£	£
Iron of sorts	...	...	451	...	451
Mathematical, Surveying and Scientific instruments and Drawing materials	50	...	...	276	326
Small stores	...	300	7	...	307
Miscellaneous	...	150	13	76	239
Metals	...	2,000	148	...	2,148
Tools	...	300	213	869	1,382
Pipes	...	...	...	1,300	1,300
Turbines	...	...	...	...	500
Machinery	500	...	...	...	100
Painters' stores	...	100	...	...	47
Total	550	2,850	879	2,521	6,800
To be provided for as follows:—					
Extraordinary	500	2,850	...	...	3,350
Ordinary	50	...	879	...	929
Foreign funds	...	...	...	2,521	2,521
Total as above	550	2,850	879	2,521	6,800

16th Nov 76
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16th November 1876. No. 3,066.*

DISTRIBUTION OF ABOVE BY PROJECTS.
Extraordinary.

Bombay—					£	£
Mutha Canal	...	...	...	...	500	
Bengal—						
Soane works...	...	...	...	...	2,850	
						3,350

Ordinary.

Bombay	...	...	...	...	50	
Punjab	...	...	...	...	879	
						929

Foreign funds.

Mysore	...	...	...	...	2,521	
Total	...	...	...	...	6,800	

GENERAL ABSTRACT OF THE PRECEDING ESTIMATES.

	TO BE TREATED AS FINAL CHARGES IN HOME ACCOUNTS.			TO BE TREATED AS REMITTANCES IN HOME ACCOUNTS.			Grand Total.
	Ordinary.	Extra- ordinary.	Total.	Provincial Funds.	Foreign Funds.	Total.	
	£	£	£	£	£	£	£
Public Works other than Irrigation	2,162	...	2,162	21,004	4,292	25,296	27,458
Irrigation	929	3,350	4,279	...	2,521	2,521	6,800
Total	3,091	3,350	6,441	21,004	6,813	27,817	34,258

ORDER.—Ordered, that this Resolution be communicated to the Local Govern-
ments and Adminis-

The Governments of Madras and North-Western Provinces, in the Public Works Depart-
ment, Buildings and Roads Branch.
The Governments of Bombay and Bengal, in the Public Works Department, Buildings and
Roads and Irrigation Branches.
The Government of Punjab, in the Public Works Department, Irrigation Branch.
The Chief Commissioners of British Burmah and Mysore.
The Resident at Hyderabad.
The Agent to the Governor-General for Central India.

trations noted in the
margin for informa-
tion and guidance.

Ordered also, that
a copy be forwarded

to the Military Department for information, with reference to paragraph 10 of the
Resolution.

(Signed) A. B. SAMPSON,
Under Secy. to the Govt. of India.

No. 274. ORDER THEREON, 16th November 1876, No. 3,066.

ACCOUNT, No. 18.

RECORDED, and communicated to the
District Engineer, Presidency.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Presidency.
Exd. S. T. Austin.
Spare Copies

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

ACCOUNT.
General.

To
The Governments of Madras and North-West-
ern Provinces, in the Public Works Depart-
ment, Buildings and Roads Branch.
The Governments of Bombay and Bengal, in the
Public Works Department, Buildings and
Roads and Irrigation Branches.
The Government of Punjab, in the Public Works
Department, Irrigation Branch.
The Chief Commissioners of British Burmah and
Mysore.
The Resident at Hyderabad.
The Agent to the Governor General for Central
India.

Nos. 934—43 A—G.

Dated SIMLA, October 27, 1876.

Received
No. 3066 of 16 Nov 76
Recorded, and
Communicated to
the District Engineer
Presidency

Abstract Estimates of value of stores likely to
be indented for from England for Public Works
other than State Railways during 1877-78.

27/3/74
11-76

4744
Govt. of 1876 Madras.

PUBLIC WORKS.

To

The N. & P. Pres.

Dated

Issued

Recd

Encl.

G. O., 16th Dec^r 1876, No.

Dec. 27/76

Abstract Estimates of Value
of Works likely to be executed
in from England for Public
Works other than State Ry.
during 1877-78 - Resolution
of the Govt of India, London,
and - Recorded and
Comd: to the Govt of
Presidency.