M.R.O. 1—10,006—28-2-50.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2921	Press
B.P. No. 68-69		Mis.
Dated	4-12	19518:73

Not to be folded or roughly handled

No. 68.—Read the following endorsement of the Chief Engineer for Irrigation, dated Dowlaishweram, 16th October 1873, No. 742:—

From F. DODERET, Esq., Government Mathematical Instrument-maker, Public Works Department, to Colonel J. GODDARD, R.E., District Engineer, Presidency, dated Chepauk, 2nd October 1873.

With reference to your letter, No. 3,046, dated 20th September 1873, I have the honour to submit a valuation list of the instruments taken over by me for the use of the Public Works Department.

2. I beg to explain that I have made a deduction on account of nine stands which have not been delivered to me, as also for the two microscopes which are missing from theodolite No. 62, as I understood at the time when valuing the instruments that stands would be supplied with each. I think it but reasonable therefore that, as new stands have to be made, some deduction should be made, and I have valued the stands at half their cost, viz., Rupees 10 each.

List of Scientific Instruments received from the Madras Irrigation and Canal Company.

		No. on the Instrument.	No. or Quantity.	Rate.	Amount.	Remarks.
				Rs. A. P.	Rs. A. P.	
Theodolite.	5 inch, Transit.	62	1	150 0 0	150 0 0	Two microscopes wanting.
	6 ,,	606	1	190 0 0	190 0 0	No stand.
	6 ,,	702	1	190 0 0	190 0 0	
	7 ,, Transit.	71	1	300 0 0	300 0 0	
	7 ,, Everest's.	104	1	250 0 0	250 0 0	
	7 ,, ,,	610	1	250 0 0	250 0 0	
Level, Dumpy's.	10 inch ...	814	1	70 0 0	70 0 0	
	12 ,, ...	.....	1	100 0 0	100 0 0	Without stand.
	14 ,, ...	201	1	100 0 0	100 0 0	
	14 ,, ...	252	1	100 0 0	100 0 0	
	14 ,, ...	664	1	100 0 0	100 0 0	Without stand.
	14 ,, ...	188	1	100 0 0	100 0 0	
	14 ,, ...	240	1	100 0 0	100 0 0	
	14 ,, ...	976-1,016	1	100 0 0	100 0 0	Cover of object glass missing.
	14 ,, ...	1,017	1	100 0 0	100 0 0	No stand.
	14 ,, ...	163	1	100 0 0	100 0 0	
	15 ,, ...	1-1,018	1	120 0 0	120 0 0	
Levels, Y. ...	10 ,, ...	2	1	100 0 0	100 0 0	
	11 ,, ...	1,008	1	100 0 0	100 0 0	No stand.
	11 ,, ...	1,015	1	100 0 0	100 0 0	
	11 ,, ...	1,004	1	100 0 0	100 0 0	No stand.
	11 ,, ...	1,005	1	100 0 0	100 0 0	
	11 ,, ...	1,006	1	100 0 0	100 0 0	No stand.
	14 ,, ...	1,000	1	120 0 0	120 0 0	
	14 ,, ...	221	1	120 0 0	120 0 0	No stand.
	20 ,, ...	553	1	180 0 0	180 0 0	No stand.
	20 ,, ...	555	1	180 0 0	180 0 0	
	20 ,, ...	551	1	180 0 0	180 0 0	
	20 ,, ...	01	1	180 0 0	180 0 0	No stand.
Levels, second class ...		2,760	1	50 0 0	50 0 0	
Do. do. ...		2,763	1	50 0 0	50 0 0	
Pentagraphs		.....	2	40 0 0	80 0 0	
Plotting scales, boxwood sets.		.....	9	5 0 0	45 0 0	
Brass, circular, protractors.		.....	4	15 0 0	60 0 0	One in case.
Do. semi-circular ...		.....	2	3 8 0	7 0 0	

Government mathematical instrument maker

List of Scientific Instruments, etc.,—(Concluded.)

	No. on the Instrument.	No. or Quantity.	Rate.	Amount.	Remarks.
			Rs. A. P.	Rs. A. P.	
Parallel rules, ebony, rolling, 9 inches.	.....	8	1 8 0	12 0 0	
Do. 6 inches ...	.....	6	1 0 0	6 0 0	
Do. brass, 18 inches.	.....	2	6 0 0	12 0 0	
Compasses, beam, large ..	.....	2	12 0 0	24 0 0	
Scales, Marquois, boxwood, set.	.....	1	4 0 0	4 0 0	
Compasses, Prismatic, in case with stand	.....	4	20 0 0	80 0 0	
Compasses Prismatic ...	.....	1	20 0 0	20 0 0	Without case and stand.
Squares, T, ebony, 36 inches.	.....	3	2 8 0	7 8 0	
Rangory rods	.....	30	1 4 0	37 8 0	
Total...	.....	...	.. ...	4,475 0 0	

	Rs.
Less on account of nine stands for levels and theodolites, at Rs. 10 each.	90
Less on account of two microscopes deficient in theodolite No. 62, at Rupees 4 each	8

(Signed) F. DODERET,
Govt. Mathematical Instrument-maker, D.P.W.

No 3,149.

Copy to the Chief Engineer for Irrigation for information, with reference to his memorandum, No. 70, of 22nd September 1873.

Fort St. George,
6th October 1873.

(Signed) J. GODDARD, Lieut.-Colonel, R.E.,
District Engineer, Presidency.

No. 70.

MEMORANDUM.

The undersigned has the honour, with reference to paragraph 3 of G. O., No. 2,258, of the 12th instant, to inform the District Engineer, Presidency, that the Chief Engineer and Manager has accepted the valuation of instruments made by Mr. Doderet; and, as the Company's Officers are anxious for the removal of the selected instruments, to request that arrangements may be made for receiving charge of all the instruments in the list prepared by the Government Mathematical Instrument-maker, except seven out of the thirteen theodolites.

27th September 1873.

(Signed) J. MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 54.

Copy to the Chief Engineer and Manager for information, with reference to the Chief Accountant's letter, No. A-81, of the 20th instant.

Submitted to Government, with reference to Government Order, No. 2,423A, dated 2nd October 1873.

R. No. 328, dated 6th October 1873, with one enclosure.

The deductions on account of nine stands for theodolites and levels which Mr. Doderet, when valuing the instruments, understood would be furnished with them, and for two microscopes missing from the box of theodolite No. 62, appear to be reasonable, and will probably be concurred in by the Chief Engineer and Manager, Madras Irrigation and Canal Company.

2. The District Engineer, Presidency, may be instructed to pay the value of the instruments on presentation of a bill.

(Signed) J. MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 69. Order thereon, 4th December 1873, No. 2,921.

IRRIGATION, No. 5.

The District Engineer, Presidency, is authorized to pay to the Chief Engineer and Manager, Madras Irrigation and Canal Company, the value of the scientific instruments received from the Company on the presentation of a bill. The deductions, amounting to Rupees 98, proposed to be made from the valuation of certain instruments as originally fixed by Mr. Doderet, on account of certain stands and microscopes which are missing, appear to be reasonable.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Presidency.
,, Chief Engineer for Irrigation.
,, Officiating Controller of Public Works Accounts.
,, Chief Engineer and Manager of the Madras Irrigation and Canal Compa

Exd. E. C. Shunl

Spare Copies.

Government Mathematical Instrument maker. D.P.W.

No - 8

Public Works Workshop
Chepauk 2nd October 1873

The District Engineer
Trivedy

Sir

With reference to your letter, No 3246 dated 29th September 1873, I have the honor to submit a Valuation list of the Instruments taken over by me for the use of the P. W. D.

I beg to explain that I have made a deduction on account of 19 nine stands which have not been delivered to me, as also for the two Microscopes which are missing from Theodolite No 62. as I understood at the time which Valuing the Instruments that Stands would be supplied with Levels & I think it but reasonable therefor that As new stands have to be made, some deduction should be made, and I have Valued the Stands at half their Cost, namely Rupees 10 each.

I have the honor to be
Sir
Your most obedient servant
[Sig] F. Doderk
Government Mathematical Instrument maker. D. P. W.

No 3149

Letter to the Chief Engineer for Irrigation for information with reference to his Endt memo No 1410 of 22nd September 1873.

Sd/- Lieut R.E.

Fort Saint George
6 October 1873

Superintendent
Trigonometrical Survey
Presidency

No 3148

Letter to the Chief Engineer for Irrigation
Madras City for a letter from
the Brahmanandapuram
Brahmanandapuram Estate
& Scientific Instruments
received from the Madras
Irrigation & Canal Co.

Sd/- C. E. No 328.
Asst

Sd/- Christie Superintendent

Sd/- Illegible
Asst

Received 6th October 1873
Recd 7 Oct 1873 - 4 Weeks Leave
No 3148 dated 6th October 1873

Sd/- Illegible
Capt

List of Scientific Instruments received from the Madras Irrigation and Canal Company.

				No on the Invoice	No of Instruments	Rate	Amount	Remarks
Theodolite	5"	Gramet		62	1	150	150	Two Microscopes wanting
do	6"			606	1	190	190	No Stand
do	6"			702	1	190	190	
do	7"	Transit		71	1	300	300	
do	7"	Everest		1214	1	250	250	
do	7"	do		610	1	250	250	
Level Dumpy	10"			814	1	70	70	
	12"			not	1	100	100	Without stand
	14"			201	1	100	100	
	14"			252	1	100	100	
	14"			664	1	100	100	Without stand
	14"			188	1	100	100	
	14"			240	1	100	100	
	14"			976/1046	1	100	100	Case of object glass missing
	14"			1017	1	100	100	80 stand
	14"			163	1	100	100	
	15"			1/1018	1	120	120	
Levels y	10"			2	1	100	100	
	11"			1008	1	100	100	80 stand
	11"			1015	1	100	100	
	11"			1004	1	100	100	80 stand
	11"			1005	1	100	100	
	11"			1006	1	100	100	80 stand
	14"			1000	1	120	120	
	14"			221	1	120	120	80 stand
Levels y	20"			553	1	180	180	80 stand
	20"			555	1	180	180	
	20"			537	1	180	180	
	20"			08	1	180	180	80 stand

	No. on the List	No. of Quantity	Rate	Amount	Remarks
Levels 2nd Class	2769	1	50 " "	50 " "	
do	2763	1	50 " "	50 " "	
Pantagraphs		2	40 " "	80 " "	
Plotting Scales boxwood Leto		9	5 " "	45 " "	
Brass Circular Protractors		4	15 " "	60 " "	Drawing
do Semi Circular		2	3 8 "	7 " "	
Parallel pins Ebony per Ring 9"		6	1 8 "	12 " "	
do 6"		6	1 " "	6 " "	
do Brass 18"		2	6 " "	12 " "	
Compasses beam large		2	12 " "	24 " "	
Scales Marquois boxwood Set		1	4 " "	4 " "	
Compasses Prismatic in case with stand		4	20 " "	80 " "	
Compasses Prismatic		1	20 " "	20 " "	without Case
Squares T. Ebony 36"		3	2 8 "	7 8 "	
Rangory Rods		30	1 4	37 8 "	
			Total Rupees	475 " "	

Less on account of 9 stands for levels and Theodolites at Rs-10 each Rs— 90 — —

do: on account of two Microscopes deficient in Theodolite No. 62 at Rupees 4 each :— — — — 8 " —

[Sig] F. Doderet
Govt. Mathematical Instt. Maker. D.P.W.
[True Copy]

[Sig illegible]
District Engineer
Presidency

Rec'd 29-21-4 Oct 73
D.P.W. 8484/73

Copied by S Rama

No. 42.

Submitted to Government with reference to Government Order No. 2423A dated 2nd October 1873

The deductions on account of 9 stands for Theodolites and levels which Mr. Doderet, when valuing the instruments, understood would be furnished with them, and for two Microscopes missing from the box of Theodolite No. 62, appear to be reasonable, and will probably be concurred in by the Chief Engineer and Manager, Madras Irrigation and Canal Company.

2d The District Engineer, Presidency may be instructed to pay the value of the instruments on presentation of a bill.—

Office of the Chief Engr for Irrigation
Vowlaishwaram 16 Oct 1873

[Sig] Lieutt-Col. R.E.
Chief Engineer for Irrigation

I, The Secretary to Government
Public Works Department.

Enclosures 2
R. No. 3285
6th Oct 73
with
1 Enclosure
2

No 2921 R.D.

Pro. of the Madras Govt.

Read the following

from the Chief Engr for
Irrigation

3 R.L. No 4207/16 Oct/73

The District Engineer Presidency is authorized to pay to the Chief Engineer and Manager Madras Irrigation and Canal Company the value of the scientific instruments received from the Company on the presentation of a bill - The deductions, amounting to Rupees 98 proposed to be made from the valuation of certain instrument as originally fixed by Mr. Dodered, on account of certain stands and Microscopes which are missing, appear to be reasonable, ~~but the bill may be paid with or without such~~ deductions.

Mde

P.W.D. 1st Class Establishment Pro. No 5848.
Dt. 16th Dec 1873.
The Chief Engineer for Irrigation.

The Secretary to Govt. P.W.D.

Cash Book 28th Dec 1873 Page 3 Credit Rs 28 8 0
Rs 42.
12 Nov 1873.
Enclosures 2

Enclosures to Examination Notes from the District Engineer Presidency &c. Packing Cost Rs. Cash Book Rs. 28 8 0 Rs. 42. 12 Nov 1873. Enclosures 2

Rs 66

No 2921-4 "Nov/73.

Recd 29 Dec/73

~~1 Lic.~~

2. An appropriation to cover the outlay will be made later in the year.

Sd: 17/10/73

38

H. Presidency
Ch Engr for Irrign
Cantt
Ch Engr & Manager Rail Rd Co
H: 68-69 Dated 5/12/73
Dated 29 Oct 73

No. 5848

Govt. of [1873] Madras.

PUBLIC WORKS.

To The District Engr.
Presidency.

Dated

Recd. Encl. 2

G. O. 4th Dec. 73, No. 2921.

Nos. 687-689

Scientific Instruments.

Seeing instructions for the payment of the value of the instruments received from the M. & H Co..