

No. 255Wd/21-1-98

" 43

" 141

" 44

" 20

" 4

" 13

" 16

" 8

" 2

" 17

" 1

82

[Faint, mostly illegible handwritten text on the right page]

1056 Wd/21-1-98

h/914

[Handwritten signature or initials]

No. 1056 W.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 7th April 1888

Read the following

From the Supty. Engineer V Circle. H. E. No. 5305 of 15th March 1888.

Recorded.

2. It is observed that if the levelling
stakes be omitted, the estimate given
by Messrs. Orr & Sons is considerably
lower than that of the P.W. Workshop.

3. On completion of the order by
Messrs. Orr & Sons, the ^{Supty. Engineer} ~~General Supt.~~
will report on the quality of their
work.

W.M.
30.3.88

J.L.
14/4/88

9/4

To The Supty. Engr. V Circle.

Can

12/13
12/13

6160/11-2-88
255/11-1-88
43730/30-11-87

PTC No. 2688

From
THE SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE *Chief Engineer*
P.W. Department.

Dated 15th March 1888.
Reed. 20th April 1888

ENCLOSURES. 1

B. J. ...
No. 1056 W. of 7th April 1888

No. 5305.

Instruments sent to
Messrs Orr & Sons for
repair—

Forwards a Comparative
statement showing Messrs
Orr & Sons's estimate and
that of P.W. Workshop.

02/4/88 *0.25 16/4* *11/4*

HC 269

TENDING ENGINEER 305

SUPERINTENDING ENGINEER'S OFFICE,

V CIRCLE, MADRAS,

Chennai, 15 March 1888.

Sp 20

From

Colonel H. M. Vibart R.E.

SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE

Chief Engineer

Public Works Department.

SIR,

Enclosures.

With reference to para 2 of your memorandum No 616 C dated 11 February 1888 I have the honor to forward a comparative statement showing Messrs. P. Orr and Sons Estimate for the repair of the Instruments sent to them and that of the P.W. workshops for the same work.

Messrs. Orr's estimate is less than that of the workshops by only Rs 88-4-0 as shown by the Comparative Statement. The Superintendent P.W. workshops considers the workshops work is superior to that of Messrs. Orr.

I have the honor to be

Sir

Your Most Obedient Servant

Colonel H. M. Vibart
Suptg. Engineer V Circle

Number

Description of Articles

Cost of Estimate furnished by Workshop
Cost of Estimate furnished by Messrs. Orr

Remarks.

	Brought forward	577	u	u	355	12	u
2	Protractors with points	14	u	u	4	u	u
5	" " Semicircular with points	35	u	u	12	8	u
1	" " Ivory rolling 8"	1	u	u	1	8	u
4	Quadrant Ghat tracing	40	u	u	24	u	u
1	Auto Parallel & Ivory rolling 12"	1	u	u	1	u	u
1	" " " " sliding 24"	1	u	u	1	u	u
12	" " " " " " 12"	6	u	u	10	8	u
1	" " " " " " 18"	1	u	u	1	8	u
1	" " " " " " 9"	u	4	u	u	12	u
2	" " " Brass rolling 24"	16	u	u	3	8	u
1	" " " " " " 18"	5	u	u	3	8	u
1	" " " " " " sliding 24"	7	u	u	4	u	u
2	" " " " " " 18"	10	u	u	8	u	u
1	Sextant Pocket	15	u	u	8	u	u
	Now strap and case repaired	u	u	u	2	4	u
1	Leads Marquis Electrum	5	u	u	3	u	u
10	" " " " " " Boywood	20	u	u	20	u	u
1	Straight edge & Ivory Brass edge 3 feet	2	u	u	3	u	u
8	Staves Levelling Gravatts	40	u	u	120	u	u
11	Staves Levelling Telescopic	110	u	u	231	u	u
1	Square T 24"	u	8	u	2	8	u
1	Thermometer maximum self registering	4	u	u	u	12	u

910 12 u 822 8 u

Difference as shown in my letter of 11th Feb dated 20 February 1888

88 4 u

Total Rupees 910 12 u 910 12 u

P. W. Stores, Madras
March 1888.

A. Joyce
General Supt. P. W. Stores.

Comparative Statement showing the difference between estimate furnished by the Presidency Public Works Workshops and Messrs P. Orr and Sons for repairing instruments sent to the latter as per Sup^r Gen^l endorsement No. 3628 dated 2nd December 1887.

Sl. No.	Description of Articles	Cost of Estimate furnished by Presidency Workshop	Cost of Estimate furnished by Messrs P. Orr and Sons	Remarks
1	Circumferential Small with stand	20	11	
1	clinometer	3	2	
3	Compass Pris: with stand	75	21	
	2 New Cases for the same		9	
4	Compasses Beam large	28	24	
3	" " Small	12	16	
1	" " Proportional large	4	3	
7	" " Small	14	21	
	2 New Cases for the same		5	
1	Compass Beams 6"	1	1	
1	Compass Triangular	2	1	
1	Current Meter	10	6	
2	Leveling Instrument 14" with stand	80	48	
3	" " " 14" "	141	64	
1	" " " 12" "	30	24	
1	" " " Sighting improved 20"	45	26	
1	Level Spirit	3	3	
2	Mathematical Instrument Box 2 nd class	30	13	
2	" " " Thick skin case large	12	9	
8	" " " " Small	40	20	
3	Pens drawing	3	1	
6	Protractors Brass circular plain	24	12	
	4 New Boxes for the same		10	
Carried over Rupees		577	355	12

Low C. No. 2698

The original estimate of Rs 823 sanctioned in G.O. 255 w.d. 21st Jan. 88 has not been sent for reference, but the Comparative Statement submitted in kind may be accepted as correct. Our rates for the 19 working slaves are higher than the Workshop rates, and there being so many slaves, the total difference becomes considerable. This is the principal cause of the small total saving on the Workshop Estimate.

R. S.

Recorded.

23. 11. 88

It is observed that if the leveling slaves ~~be~~ omitted, the bill paid by Messrs P. Orr & Sons is considerable lower than that of the P.W. Workshop. On completion of the order by Messrs P. Orr & Sons, the Genl. Sup^r will report on the quality of the work.

Comparative Statement of rates for repairing instruments by the P.W. Workshops & Messrs P. Orr & Sons

Since our rates may be accepted as correct, the estimate for the P.W. Workshop is not practicable.

4/3 7/12/88

Quantity

Description of work.

Rate and Rates as above than less than
provided provided the P. W. the P. W.
by P. W. by P. W. Workshops Workshops
Workshops above rate rate

Quantity	Description	Unit	Price	Total
1	Circumferenter small		20	20
1	Circumferenter		3	3
1	Compass Prismatic with stand		25	25
1	Do Beam Large		7	7
1	Do Do small		4	4
1	Do Proportional large		4	4
1	Do Do small		2	2
1	Do Triangular		2	2
1	Do Brass 6"		1	1
1	Current meter		10	10
1	Leveling instrument 14" with stand No. 664		40	40
1	Do Do 14" Do No. 758		40	40
1	Do Do Pumping 14" Do No. 673		47	47
1	Do Do 14" Do No. 686		47	47
1	Do Do 12" Do		30	30
1	Do Do Thoughton's Improved 20"		45	45
1	Levels spirit		3	3
1	Mathematical instrument Box 2nd Class		15	15
1	Do Do Field skin case large		6	6
1	Do Do Do small		5	5
1	Pen drawing		1	1
1	Protractor Brass Circular plain		4	4
1	Do with points		7	7

22

No 13600 a/24. 3. 88
1220 C a/22. 3. 88
775 W a/8. 3. 88
777 W a/12. 3. 87
776 W a/12. 3. 87

No 1053 W. a/7. April 1888

Sanctioned.

Wm
27.3.88
30/3/88

From,
The Sup^e Engineer,
IV Circle.

Dated 20^e
Desp^d 24^e
Rec^d 26^e } March 1888.

No 109.

No 1053 W. a/7. April 1888

Encl: 1

Application for Stores
Manufactured in England
and required to be purchased
locally.

Submits an - for
the sanction of Govt.

S. E. IV Circle
Earlawa

27-3-88
6/4
RD 6/4