

MADRAS RECORD OFFICE.

Government of Madras.

Jurisdiction DEPARTMENT.

G.O. No. 43/

Press
~~Mis.~~

9-10

Dated

29-3-1918

Not to be folded or roughly handled

Fort St. George, Judicial Consultation, 1st April 1859.

No. 9. Read the following letter from Colonel C. E. FABER, Chief Engineer ; to the Secretary to Government, Department Public Works, dated 8th March 1859, No. 8412.

SIR,

* Judicial Department.

Enclosure 1.
Bill.

With reference to Extract Minutes Consultation,* dated 4th January 1859, No. 7, I beg to submit an Original Bill from Messrs. Framjee Nussurwanjee and Co., of Ootacamund amounting to Rupees 922-1-1 for Iron supplied for securing the wards of the Ootacamund prison.

The District Engineer has executed the work at the request of the Inspector General of Jails, who authorized the purchase of Iron. This circumstance was already brought to the notice of Government, by Mr. Rhode, in his letter dated 11th December 1858, to which the order above referred to is the reply.

2. I have now to request that the sanction of Government may be granted to the amount of the Bill, viz., Rupees, nine hundred and twenty-two, Anna one and Pie one.

No. 10. ORDER THEREON, No. 431 ; dated 29th March 1859.

Government sanction the Bill, submitted through the Chief Engineer, amounting to (Rupees 922-1-1,) nine hundred and twenty-two Rupees, one Anna, and one Pie, for Iron supplied for securing the wards of the Ootacamund prison.

(Signed) T. PYCROFT,
Chief Secretary.

N^o 431.

At Govt. sanction the Bill, sub-
mitted thro' the Chief Engineer,
amounting to Rs. 922.1.1, Nine
Hundred & Twenty Two Rupees, One
Anna, & One Pie, for Iron supplied
for securing the Wards of the
W M Ootacamund Prison.

For S^t. George, &
29 March 1859.

[Signature]

The Chief Engineer
.. Civil Auditor - With Bill. } Sept 2^d
.. Asst. Genl.

MADRAS RECORD OFFICE.

Government of Madras.

Financia DEPARTMENT.

G.O. No.	431	Press
		Mis.
Dated	2. 8.	1859

B. No 14-15

4/5

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Financial Department,
from 30th July to 5th August 1859.*

No. 14. Read the following letter from Major CHARLES A. ORR, Mint Master; to the Chief Secretary to Government, Fort Saint George, dated 25th July 1859, No. 106.

Para. 1st. With reference to the orders of Government under date the 19th Instant, No. 392, forwarding for my report copies of a Despatch and its enclosures from the Right Honorable the Secretary of State for India, relative to the proposed supply from England of two new Engines for the Silver Laminating Mills of this Mint, to re-place those now in use, which having been entirely constructed with the extremely imperfect appliances possessed by this Mint, have been found inefficient, I have the honor to state, that although the latter Engines have been working so far satisfactorily, for nearly a month past, as to allow of hired Bullocks being for the time dispensed with, I am of opinion that they cannot be entirely trusted to, and that they are not such machines, either in make or power, as so all important an operation in the process of coinage as the Lamination of Ingots into Straps should be entrusted to, and that it is extremely desirable, now that large quantities of Bullion are flowing into the country for conversion into coin, that others of more power, and of the very best manufacture should be provided.

2nd. The Engines themselves work well, notwithstanding the roughness of their workmanship, and the disadvantageous complication and disproportion of their parts, but they, as well as the main shaft, with its four Cranks, connecting them with each other and with the Rolling Mills, are far too weak to allow of Steam being used of the pressure required to give power for working more than one pair of Mills instead of two. The outturn of Straps by them is therefore not greatly in excess of that yielded by the old Bullock Gins, and as it is now essential, irrespective of economical considerations, to make this Mint independent of animal power as soon as possible, and to give it the means of turning out, at least, quadruple its former ordinary work, I have no hesitation in saying that, although, if a new and stronger shaft were sent out, as proposed by Lieutenant Colonel Smith, the Engines now in use might be made more efficient, I think it far better that two simple and powerful Engines, with Boilers, main connecting shaft, two fly wheels, and every thing complete, should be at once despatched from England, to be fitted here to the Rolling Mills which are either ready or can be made on the spot.

3rd. In para. 4 of his letter to Lord Stanley, Colonel Smith recommends that if new Engines be ordered new Laminating Machinery should be supplied as well, as he thinks the country made Machinery will not work satisfactorily with English Engines, and he suggests that previous to entering on this expense it would be necessary to consider whether, if the Coinage of Copper be continued at all at the Madras Mint after the completion of the new Calcutta Copper Mint, it would not be advisable to adopt the practice of Rolling Slabs instead of manufacturing the Coin from the more expensive Slips, since in that case more powerful Engines than those indented for would be required. I do not understand why the power of English made Engines should not be satisfactorily applied to country made Machinery, if the latter be as good as the Laminating Mills fitted up in the Madras Mint, and I have above shewn that, in my opinion, new Engines are alone needed. As to the question of rolling tile Copper, it is evident that Lieutenant Colonel Smith was not aware that Machinery was being set up in this Mint for the purpose, quite separate from the Silver Laminating Department, but he is right in suggesting that more powerful Engines than those indented for should be sent out, for from careful observation of the working of the Engines now employed, and making all allowances for their imperfections, I find that for the Lamination of Silver alone an aggregate of 20 horse power, nominal, is not sufficient for the two pairs of rolling mills which we shall require to have occasionally in full operation when Bullocks are entirely, and finally dispensed with. Lieutenant Colonel Bell seems to have been fully aware of this, as he proposed that each of the two Engines should be capable of being worked at pleasure up to 20 Horse Power, which he distinctly stated would be required to give motion to the two pair of Laminating mills that are now "unquestionably necessary." Economical considerations however no doubt influenced him to apply for the smallest Engines he thought would suffice, but as I am of opinion that it will be neither satisfactory nor in the end economical to set up Engines which it would be necessary to work at times under a

Edw. A. P. B. Esq.

*Proceedings of the Madras Government, Financial Department,
from 30th July to 5th August 1859.*

great strain, I would strongly recommended that they should be of not less than 15 Horse Power each, and be provided with Boilers, not only of ample corresponding dimensions, but of such capacity as will allow of the Engines being worked, if required, up to 20 Horse. This will increase their cost, but the entire expense is too trifling to be weighed against the importance, and real permanent economy, of introducing effective Steam power into this Mint in entire supercession of every other, and of rendering the Establishment capable of meeting the heavy, and increasing demands being made on it for the Coinage of both Silver and Copper.

4th. I beg that as soon after the Engines are ordered as possible, a plan of their arrangement, and of the position of the Boilers may be sent to me, that I may have every thing prepared for setting them up, without delay, on their receipt.

No. 15. ORDER THEREON, 2nd August 1859, No. 431.

The Government resolve to forward a copy of the foregoing letter to the Right Honorable the Secretary of State for India, with reference to the Home Despatch, dated 14th June last, No. 16, and strongly to support the Mint Master's proposal on the ground of the increased and increasing work of the Madras Mint, and the necessity on every consideration of making it as efficient as possible.

(Signed) T. PYCROFT,
Chief Secretary.

Exd. A. P. W. Begbie.

Financial Dept.

Proceedings of the Madras Government

*Read the following
letter from the Mint
Master.*

(Dated 25th July 1859 No. 106.)

Order thereon 2^d August 1859. No 431.

*The Govt. resolve
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the foregoing letter to the
Right Honible the Secy. of
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*W
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106*

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JF
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To the Gent Raster. Resp. 6th

St. B. School -
 June 18 of 1859 -

Ref^d to p 22^d December
4th 35 of 1859 -

Pos. of East & West

Financial 1859

No 431

Proceedings of Govt.

22 August 59

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C 38 July
R 1 Aug.