

(1) Number of pages 10.(2) Date of repair 5-11-38(3) Initials of the Referencer JH

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.
Can. 20/6/60

G.O. No. <u>728</u>	Press <u>Mis.</u>
<u>10-11.</u>	
Dated <u>12-4-</u>	<u>18 60.</u>

Not to be folded or roughly handled*6-11-38*

20

*Proceedings of the Madras Government, Public Works Department,
for the month of April 1860.*

No. 10. Read the following letter from Colonel J. H. BELL, Chief Engineer, to J. D. BOURDILLON, Esq., Secretary to Government, dated Chepauk, 17th March 1860, No. 11,448 :—

With reference to the Proceedings of Government, dated 20th February 1860, No. 374, I have the honor to forward herewith a letter dated 5th instant, No. 1,446, received from the District Engineer of Kurnool, reporting that the Slate in Kurnool referred to by the Government of India, has been used for flat roofs. The Slates thus used are slabs about 3' x 1½' and 2½' thick. Large slabs of not more than 1" in thickness are obtainable for sloping roofs.

2. Lieutenant Beckley is of opinion that flat Slate roofs are cheaper than terraced ones, as well as more durable and water-tight. He promises to report the result of certain experiments which he contemplates making for the purpose of ascertaining whether or not the Slate can be sawn sufficiently thin for roofing as used in England. His report will be forwarded when received.

From Lieutenant T. BECKLEY, Acting District Engineer of Kurnool, to the Deputy Chief Engineer, Northern Circle, Chepauk, dated Camp Nandiál, 5th March 1860, No. 1,446 of 1859-60.

In reply to the Chief Engineer's Extract Proceedings, No. 10,646, dated 25th February 1860, I have the honor to inform you that the Kurnool Slate has been used in the roofing of many buildings, but they are all flat-roofed. The Slates thus used are slabs of about 3' x 1½' x 2½'; these Slate roofs are cheaper than terraced, and I consider them more durable and water-tight.

2. Large slabs of Slate are obtainable not more than 1" thick, and might be used for sloping roofs. Mr. Hasler has made a Saw for sawing this Slate, with a view of ascertaining whether or not a Slate roof similar to those common in England might be constructed, but owing to his being busily engaged on the Hindri Bridge no experiments have yet been made.

3. I will direct Mr. Hasler to carry out his intended experiments and report the results to you.

No. 11. ORDER THEREON, 12th April 1860, No. 728.

Ordered that the Chief Engineer's letter and its enclosure be communicated to the Government of India, in reply to Captain R. de Bourbel's letter, dated 2nd February 1860, No. 628.

2. The Government will be glad to have a further report after more accurate enquiry, with a careful estimate of the cost of roofing, both terrace and sloping, compared with the ordinary methods. They observe that in England Slate for sloping roofs is split, not sawn; and that sawing might make the roofing too costly.

(Signed) J. D. BOURDILLON,
Secretary to Government.

No. 12. Ordered in consequence that the following letter be dispatched :—

From J. D. BOURDILLON, Esq., Secretary to the Government of Fort Saint George; to Captain C. H. DICKENS, Officiating Secretary to the Government of India, D. P. W., dated 12th April 1860, No. 729.

In reply to Captain R. de Bourbel's letter of the 2nd February 1860, No. 628, I am directed by the Honorable the Governor in Council to forward the accompanying letters from the Chief Engineer and the Acting District Engineer of Kurnool, reporting that Slate obtainable there has been used for flat roofs, in slabs about 3' x 1½', and 2½' thick; and that large slabs of not more than 1" thickness may be had for sloping roofs. Lieutenant Beckley considers Slate roofs cheaper and more durable than terraced ones, besides being water tight; and he promises further information, on ascertaining the result of an experiment which he is about to try.

Chennai

3
Central Office of
Sapattani
17 March 1860

From
No. 1448

The Chief Engineer
To

Public

The Secretary to Government
Public Works Department

Sir,

Enclosure. 1.
1 Letter from Dist
Engr. Kurnil 5th March
1860 No. 1446.

With reference to the
Proceedings of Government dated 20th
February 1860, No. 374, I have the honor to
forward herewith a letter dated 5th Instant
No. 1446, received from the District Engineer
of Kurnil, reporting that the Slate in
Kurnil referred to by the Government of
India, has been used for flat roofs. The
slates thus used are slabs about 3 x 1 1/2
and 2 1/2" thick. Large slabs of not more
than 1" in thickness are obtainable for
sloping roofs.

Kurnil

2. Lieutenant Beckley is of
opinion

opinion that flat slate roofs are cheaper
than terraced ones, as well as more durable
and water tight. He promises to report
the result of certain experiments which
he contemplates making for the purpose
of ascertaining whether or not the slate
can be sawn sufficiently thin for
roofing as used in England. His report
will be forwarded when received.

Central Office of M.

Separkhan

17th March 1860

It is the honor to be

Sir,

Your Most Obedt. Servant

W. R. M. Major

Chief Engr. &c.

J. H. Bell Colonel
Chief Engineer

To

The Secretary to Government
P. H. D.

B. May

P.W. Dept

C/728.6

Proceedings of the Madras Government
Under date the 12th April 1860.

Read the following
letter from the Chief Engi.

Reports on the ^{near} suitability
of the Kurnool slate for roof-
ing purposes (Received 17 March 1860 at 11.45)

Ordered that the
Chief Engi's letter and its en-
closure be communicated to the
Govt of India, in reply to Capt
N. de Bommeli's letter dated 2nd
Feb/60, No 628.

2. The Govt will be glad to
have a further report after more
accurate enquiry, with a careful
estimate of the cost of roofing
both terrace and sloping, com-
pared with the ordinary me-
thods. They observe that ^{in England} slate for
sloping roofs is split, not sawn;
and that sawing might make
the roofing too costly.

10 Copies to the Chief Engi? 2 P/728.13
with Encl 5

Com: 20 February/60. At 85-69

20 Feb 1860
Report of 20 Feb 1860
of the Chief Engineer
of the Secretary to Government
19/2/60

Dated 17th
Recd 17th March 1860
No 11448
Sec: 1 Assistant

Report on the
suitability of the Kurnool
slate for roofing
purposes

Copy with Encl
to the Secy of
Public Works

10/10

C/728.12-1 April

C/728.12-1 April

1776

227

Received of the Honble the Secretary of the Treasury
the sum of one hundred and fifty pounds
for the purchase of the land

the land of the said Secretary of the Treasury

John Smith

Witness my hand and seal this 1st day of January 1776

John Smith

1776

John Smith

John Smith

John Smith

John Smith

John Smith

John Smith

John Smith

John Smith

John Smith

John Smith

John Smith

of 00
The end of the

No 10 471.

Public Works 1860 April 16
No of Govt 20 April

No 728

Pro of the Madras Govt
of 12 April 1860

From the Govt of Madras
of 19 April 1860 C 1:2539
in No. 22 Dec 1860.

From 29 Dec 1860

Ordering that the
Chief Engineer letter on
the use of the Gate in the
= road be communicated
to the Government of
India.

State

From the Chief Engineer 15th Jan 1861
C 10133 and 1100 1861 1861 1861

C 28 March