

Educational (1900) Department.

ORDINARY MS.

G.O., No. 411

DATED 31-8-00

INDEXED.

[Despatch Abstract.]

Stating that the D.P. I may make
his own arrangements for obtaining
the specimens of rock & minerals
required for the physiography class
of the ———.

31/8

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

1900
Educational (189) Department.

CURRENT No. 1094

To 1365 Copy sent
16/11/99

From The Director of Public
Instruction,
Madras.

No. 7879

Dated 9 August 1900

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SUBJECT.

Submitting list of
specimens of rocks and
minerals required for
the Physiography class
of the Mangalore College
and requesting that
arrangements may be
made for supplying them

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

List of Mineral and Rock specimens necessary for the teaching of Physiography.

The commonest rock-forming minerals.

Quartz (Rock crystal) & its varieties, opal, flint and chert;
Felspar, mica, talc, serpentine, olivine, augite & hornblende;
Calcite crystal (Island spar), marble & Stalactite;
Magnetite, haematite, limonite & siderite;
Dolomite, Barytes, Fluor-spar & graphite.

The most important Rocks.

1. Igneous Rocks

(i) Plutonic rocks

Granite showing the constituent minerals
clearly; felsite, Syenite and Gabbro.

(ii) Volcanic Rocks or lavas.

Obsidian, trachyte, pumice and basalt

2. Metamorphic Rocks.

Gneiss, showing the foliation and constituent minerals
quartzite, mica-schist, crystalline limestone & slate.

3. Sedimentary Rocks.

(i) Mechanically formed Rocks.

Sandstone, conglomerate, clay & shale.

(ii) Organically formed Rocks.

Chalk, coral-rock, peat, ~~coal~~ lignite, coal
& anthracite

iii Chemically formed Rocks.

Rock-salt, & Gypsum.

The above set of about 22 minerals and 25 rocks may be obtained from
Dr. F. Krantz, Rhinisch Mineral Office, Bonn, Germany at a total
cost of about 12 marks (= about 9 Rs)

H.N.R.

PUBLIC INSTRUCTION,

Madras, 2 August 1900.

No. 7879

From

THE HON'BLE MR. G. H. STUART, M.A., Barrister-at-Law,

DIRECTOR OF PUBLIC INSTRUCTION,

Madras,

To

THE SECRETARY TO GOVERNMENT,

Educational DEPARTMENT,

Fort St. George.

SIR,

I have the honour to submit a list, prepared by the Lecturer in Geology, Presidency College, of specimens of rocks and minerals required for the Physiography class of the Mangalore College and to request that arrangements may be made for supplying them. The Lecturer in Geology says that the whole set of rocks and minerals mentioned in the list may be obtained from Dr. F. Krantz, Rhinish Mineral Office, Bonn, Germany, at a cost of about 12 marks or Rs. 9.

2. The charge can be met from the provision for the Mangalore College in the current year's budget.

I have the honour to be,

Sir,

Your most obedient servant,

G. H. Stuart
Director of Public Instruction.

Ex.
m.

Educl. dept

C. No. 1094

The order is placed in
draft below, informing the
Director that he may ^{make} his
own arrangements for procuring
these specimens.

2. This seems to be the best
course, as the amount they
will cost is trifling, and
as it can ^(reasonably be) contended that
these minerals & rocks should
not be classed as "stores
of European manufacture".

3. The matter is however by
no means ~~clear~~ ^{free} from doubt,
as there can be little
question but that ^(some) natural
history specimens would
have to be obtained ~~for~~
through the agency of the
India Office. The point
is in the "manufacture" of

"mounting", & here it is possible
to draw a distinction. A
stuffed animal, a mummy,
a group of butterflies
arranged to illustrate mimicry,
a collection of products of
a plant - all these might
properly be classed under
"Stores of European manu-
facture", but where rocks &
minerals are concerned, it is
difficult to say that manu-
facture comes in; at most,
they would be chipped into
a convenient size & form for
exhibition.)

On the other hand, it must
be confessed that if it
were proposed to obtain
a cabinet ^(containing an arranged collection) of the same rocks
& minerals, the India Office
might have to be addressed.

27.8.1900 J.P.P.

This is such a very pretty
transaction. I shall say to the D.P.S.
Cous he permitted to May be
for by took from your any

29/10/00

Papers to be read in Proceedings:—

Again G.O., No.	, dated	189 .
Again G.O., No.	, dated	189 .
Current No. 1094	of 189 ¹⁸⁰⁰ , dated	, from D.P.S.
" "	" 189 , "	" "
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ORDER.
this

Rs. 411 ^{desp} 31.8.00

The D.P.S. may make
his own arrangements for
supp obtaining the specimens.

J.P.P.
27.8.1900

Despatch
J.P.P.
27.8.1900

Desp
29/10/00

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