

पशु स्वास्थ्य एवं जैविक उत्पाद संस्थान,
महू (मध्य प्रदेश) का आधुनिकीकरण

1628. श्री शिव प्रसाद च नपुरिया :
क्या प्रधान मंत्री यह बताने की कृपा
करेंगे कि :

(क) क्या यह सच है कि मध्य प्रदेश
सरकार ने पशु स्वास्थ्य एवं जैविक
उत्पाद संस्थान, महू के आधुनिकीकरण
तथा उसकी उत्पादन क्षमता को सुदृढ़
करने के लिए विज्ञान और प्रौद्योगिकी
विभाग को 145.59 लाख रुपए का
एक प्रस्ताव भेजा है ; और

(ख) यदि हां, तो सरकार उस पर
कब तक आवश्यक स्वीकृति तथा अपेक्षित
धनराशि मध्य प्रदेश सरकार को देगी ?

विज्ञान और प्रौद्योगिकी मंत्रालय,
इलेक्ट्रॉनिक विभाग और महासागर
विकास विभाग में राज्य मंत्री और
संसदीय कार्य मंत्रालय में राज्य मंत्री
(श्री रंगराजन कुमारमंगलम) : (क) जी
हां ।

(ख) संस्थान से यह अनुरोध किया
गया है कि वे अपने परियोजना प्रस्ताव
को परिशोधित करें । उनका परिशोधित
प्रस्ताव अभी प्राप्त नहीं हुआ है ।

Cultivation of Algal

1629. SHRI S. MADHAVAN: Will
the PRIME MINISTER be pleased to
state:-

(a) whether Government would
take steps for mass scale cultivation
of blue green algal like spirulina
which have been identified as poten-
tial source of protein, and if so, what
are the details thereof;

(b) what steps are being taken to
produce non-conventional foods to

bridge the protein gap in diet in our
country; and

(c) whether Government are aware
of the technology for mass culture and
production of spirulina developed in
Murugappa Chettiar Research Cen-
tre, Madras and if so, what are the
details thereof?

THE MINISTER OF STATE IN
THE MINISTRY OF SCIENCE &
TECHNOLOGY DEPARTMENT OF
ELECTRONICS AND DEPART-
MENT OF OCEAN DEVELOPMENT
AND MINISTER OF STATE IN
THE MINISTRY OF PARLIAMEN-
TARY AFFAIRS (SHRI P. R.
KUMARAMANGALAM): (a) At pre-
sent there is no plan for mass scale
cultivation of blue green algal like
spirulina by the Government since
the technology has already been deve-
loped and transferred to the indust-
ries through indigenous efforts.

(b) No major efforts are being
taken at the present time to produce
non-conventional foods to bridge the
protein gap in diet in the country
based on algal material. The Muru-
gappa Chettiar Research Centre,
Madras, has, however, taken up the
large scale nutritional supplementa-
tion using spirulina in a rural popula-
tion of 5000 school children. The aim
of the project is to provide supple-
mentary Vitamin A and its
precursors for overcoming blindness
in children that is primarily caused
by Vitamin A deficiency. The pro-
ject is supported by the Department
of Bio-technology.

(c) Yes, Government is fully
aware of mass culture technology for
production of spirulina developed by
Shri A.M.M. Murugappa Chettiar Re-
search Centre, Madras. National Re-
search Development Corporation was
involved in up-scaling this techno-
logy. The technology has already
been transferred to M/s New Ambadi
Estates, Madras, for large scale pro-
duction.