

(a) whether some deposits of the Harappan age were discovered in Delhi recently ;

(b) if so, the details thereof ; and

(c) whether any schemes are being drawn up to intensify the exploration and excavation work in this area ?

**THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI P. SHIV SHANKER) :** (a) During the season 1987-88, excavations carried out by the Department of Archaeology, Delhi Administration at Mandoli in the Union Territory of Delhi, brought to light deposits of the late Harappan period.

(b) A mud floor and a few pieces of pottery of the late Harappan period as well as a terracotta object and beads were unearthed during the excavations.

(c) The Department of Archaeology, Delhi Administration, has proposed to intensify the excavations at the ancient site at Mandoli during the year 1988-89.

#### Use of Neem as a Pesticide

**\*234. DR. G. VIJAYA RAMA RAO :**  
**DR. B.L. SHAILESH :**

Will the Minister of AGRICULTURE be pleased to state :

(a) whether neem has been used traditionally in Indian homes for centuries as a pesticide in agriculture, grains and clothes etc. ;

(b) the progress made in neem research so far by IARI ;

(c) whether any effective neem product has been developed by our scientists for use ;

(d) whether any technology of neem insecticide has been developed and made available under "Lab to Land" programme of the Indian Council of Agricultural Research ; and

(e) whether any self-contained document is proposed to be prepared on the subject for use of students of agriculture, health or for general public knowledge ?

**THE MINISTER OF AGRICULTURE**

**(SHRI BHAJAN LAL) :** (a) Yes, Sir.

(b) The IARI scientists are the first to demonstrate the biological activities of Neem Seed Kernel. A break-through in the utilization of Neem products was made when it was found that a water suspension of seed Kernel possessed antifeedant properties against the locust. Subsequently, it was found effective against several stored grain and crop pests and has many biological effects on oviposition, insect growth and normal development of Insect pests of crops.

(c) Yes, Sir.

(d) Yes, Sir.

(e) Yes, Sir. The IARI has already published a research bulletin entitled, "Neem in Agriculture" and is publishing regularly a Quarterly Neem News letter for the use of students and public in general. Also there is a proposal to revise the 'Monograph on Neem' by C.R. Mitra which was published in 1966.

#### Perspective Plan for Aluminium Production

**\*235. SHRI Y.S. MAHAJAN :** Will the Minister of STEEL AND MINES be pleased to state :

(a) whether Government have made a realistic assessment of demand of aluminium in the year 2001 ; and

(b) if so, the steps proposed to be taken to meet this demand ?

**THE MINISTER OF STEEL AND MINES (SHRI M.L. FOTEDAR) :** (a) and (b). The demand for aluminium has been estimated by the Planning Commission at 850,000 tonnes by 1999-2000. The various options before the Government for meeting this demand include expansion of existing smelters of National Aluminium Company Limited and Bharat Aluminium Company Limited in public sector, and Hindustan Aluminium Corporation in private sector, as also setting up of a greenfield smelter.

#### Centre for Advanced study in Metallurgy in Banaras Hindu University

**\*236. PROF. RAMKRISHNA MORE :** Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state :

(a) whether the Centre for Advanced Study in Metallurgy at the Banaras Hindu University is facing closure because of certain differences between the Banaras Hindu University and the University Grants Commission ;

(b) if so, the nature of the differences ; and

(c) the steps taken by Government to settle the issues involved to save the Centre from closure ?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI P. SHIV SHANKER) : (a) There are certain differences between the authorities of the Banaras Hindu University and the University Grants Commission concerning appointment of Programme Coordinator of the Centre of Advanced Study in Metallurgical Engineering, but the Centre is not facing closure.

(b) and (c). Do not arise.

Steps for Revival and Profitability of  
MECON

\*237. SHRI ANIL BASU : Will the Minister of STEEL AND MINES be pleased to state :

(a) whether Government are considering steps for the revival and profitability of the Metallurgical and Engineering Consultants (India) Limited ;

(b) if so, the details thereof ;

(c) whether it is proposed to pruned the administrative expenditure by making a reduction in the number of officers at the top ; and

(d) if so, the details thereof ?

THE MINISTER OF STEEL AND MINES (SHRI M.L. FOTEDAR) : (a) No, Sir. The performance of MECON has been steadily improving over the years. Its profits during the last three years are as follows :

(Rs. in Crores)

1984-85	12.02
1985-86	12.14
1986-87	12.97

(b) Does not arise.

(c) No such proposal is at present under consideration.

(d) Does not arise.

Permission to use Foreign Technology for  
Fertilizer Production

\*238. SHRI S. JAIPAL REDDY : Will the Minister of AGRICULTURE be pleased to state :

(a) whether several fertilizer firms have sought permission to use foreign technology in their production ;

(b) the names of foreign firms which have offered technological know-how to M/s. Gujarat State Fertilizers Corporation (GSFC) for their project ;

(c) whether Government have permitted any of the foreign firms to provide technological know-how ; and

(d) if so, the details thereof ?

THE MINISTER OF AGRICULTURE (SHRI BHAJAN LAL) : (a) Yes, Sir.

(b) Although six parties submitted technical and commercial offers for the ammonia project of Gujarat State Fertilizers Company Ltd. (GSFC) initially, two parties withdrew their offers subsequently. The four firms left in the field are :

(1) M/s. Haldor Topsøe of Denmark ;

(2) M/s. Humphreys & Glasgow Ltd., U.K.

(3) M/s. Linde Ab ; and

(4) M/s. UHDE GmbH of West Germany.

(c) and (d). GSFC has not submitted any proposal to the Government regarding the selection of consultants and technology. No decision has been taken in this regard.

[Translation]

Production of Citrus Fruits in Hill Areas  
of Uttar Pradesh

\*239. SHRI HARISH RAWAT : Will the Minister of AGRICULTURE be pleased