

Government of India
Ministry of Consumer Affairs, Food and Public Distribution
Department of Consumer Affairs

LOK SABHA
UNSTARRED QUESTION NO. 434
TO BE ANSWERED ON 05.02.2019

NEW SCIENTIFIC STANDARD OF KG

434. SHRIMATI VASANTHI M.:

Will the Minister of CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION उपभोक्ता मामले, खाद्य और सार्वजनिक वितरण मंत्री be pleased to state:

- (a) whether it is a fact that the Government will develop a prototype of one kilogram in next three years that will be in sync with the new definition of kilogram which is coming into effect from 2019 May across the globe and if so, the details thereof; and
- (b) whether it is also true that the new scientific standard of kg will help in accurate measurement which will immensely benefit sectors such as pharma and precious metals and if so, the details thereof?

ANSWER

उपभोक्ता मामले, खाद्य और सार्वजनिक वितरण राज्य मंत्री
(श्री सी. आर. चौधरी)

THE MINISTER OF STATE
CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION
(SHRI C. R. CHAUDHARY)

(a) : Madam, the prototype of one kilogram (NPK-57) is already available in India and placed at National Physical Laboratory, New Delhi as per the provisions made under the Legal Metrology (National Standards) Rules, 2011. There is no such proposal at present before the Government to achieve the new prototype of kilogram through physical constants.

(b) : The previous definition of kilogram was based on the mass of the international prototype 'kilogram' which is an artefact, however, the new definition is based on physical constants of nature. The change is in the definition of kilogram and will not have any practical implications.
