

GOVERNMENT OF INDIA  
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 469**  
TO BE ANSWERED ON: 06.12.2023

**PRODUCTION OF GRAPHENE**

**469. ADV. A.M. ARIFF:**

Will the Minister of ELECTRONICS AND INFORMATION TECHNOLOGY be pleased to state:

- (a) whether the Government is planning to take initiatives to encourage the production of graphene in India and if so, the details thereof;
- (b) whether the Government is planning to focus its efforts on Research and Development (R&D) for the extraction of graphene and increase graphene production, if so, the action taken thereon;
- (c) whether the Government has taken note of the advancements made in the sector by the State of Kerala by establishing India's first Graphene Innovation Centre and starting of industrial production of graphene and if so, the details thereof;
- (d) whether the Government will consider providing support for the Government of Kerala in this regard and if so, the details thereof; and
- (e) whether the Government is planning to come up with a policy on graphene production and usage in India to supplement India's net zero commitment and if so, the details thereof?

**ANSWER**

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY  
(SHRI RAJEEV CHANDRASEKHAR)

(a) to (e): Graphene possesses several properties such as high strength and electrical conductivity and finds application in several sectors including electronics. Ministry of Electronics and Information Technology (MeitY) is engaged in research and development (R&D) efforts in graphene extraction and development processes. The Centre for Materials for Electronics Technology (CMET) under MeitY has undertaken several projects in the area of graphene including development of super capacitors, electrodes and actuators. MeitY has also collaborated with Tata Steel for setting up the India Innovation Centre on Graphene at Kochi.

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