

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH**

**LOK SABHA  
UNSTARRED QUESTION No. 3652  
(TO BE ANSWERED ON 08.08.2018)**

**PROTOTYPE LITHIUM-ION CELLS**

**3652. SHRIMATI KAVITHA KALVAKUNTLA:**

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether CSIR has set up a demonstration facility in Chennai to manufacture Prototype Lithium-Ion cells;**
- (b) if so, the details thereof;**
- (c) whether CSIR has secured global IPRs with potential to enable cost reduction, coupled with appropriate supply chain and manufacturing technology; and**
- (d) if so, the details thereof?**

**ANSWER**

**MINISTER OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES  
(DR. HARSH VARDHAN)**

**(a)&(b) Yes, Madam. CSIR has established a facility at CSIR-Central Electrochemical Research Institute, Chennai for fabrication of prototype Li-ion cells. Prototypes of both 18650 cylindrical as well as pouch Li-ion cells can be fabricated in this facility.**

**(c)&(d) Yes, Madam. CSIR has filed/ granted patents in major countries, viz., USA, Japan, Korea, China, Europe and Spain besides India.**

**CN103380529B; EP2630686B1; US9,882,206B2; P5707499B2;  
KR20137011630A; ES2536250T3; WO2012052810A1; WO2012/052811;  
JP5765644B2; US9985277B2; EP2630685B1; KR101791524B1;  
CN103299458B.**

**CSIR has signed an agreement with a company for commercialization of technology.**

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