

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
UNSTRRED QUESTION NO.38
TO BE ANSWERED ON 16.11.2016**

BIO-TOILETS

**38. SHRI BADRUDDIN AJMAL:
SHRI KESINENI NANI:
SHRI MULLAPPALLY RAMACHANDRAN:**

Will the Minister of RAILWAYS be pleased to state:

- (a) the number of bio-toilets installed in trains in the Railway Network so far;**
- (b) the targetted number of bio-toilets to be installed in trains alongwith the time by which the installation process is likely to be completed;**
- (c) the cost of each bio-toilet in comparison to the existing ones in trains; and**
- (d) the technology being used in the bio-toilets installed in the trains?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI RAJEN GOHAIN)

- (a) About 48000 bio-toilets have been installed by Indian Railways (IR) in trains' coaches till 31.10.2016.**

(b) It is targeted to fit bio-toilets in the entire fleet of coaches Indian Railways (IR) by the year 2021-22.

(c) The additional cost of providing bio-toilets in one coach (4 bio-toilets) is ₹4 lakhs approximately and for those old coaches, which require replacement of structural members for fitment of bio-toilets, the additional cost is approximately ₹15.64 lakhs per coach.

(d) Bio-toilets, based on the indigenous design and technology developed in association with Defence Research & Development Organisation (DRDO), are being installed in coaches by Indian Railways.
