

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
STARRED QUESTION NO. 344
TO BE ANSWERED ON 23.12.2015**

MODERNISATION OF RAILWAYS WORKSHOPS

***344. SHRI NISHIKANT DUBEY:**

Will the Minister of RAILWAYS be pleased to state:

- (a) the number of Railways workshops, zone-wise;**
- (b) whether the Railways proposes to revamp/modernise and upgrade their workshops and induct new technology and if so, the details thereof;**
- (c) the details of priority areas considered for the purpose, zone-wise; and**
- (d) the action plan chalked out by the Railways in this regard?**

ANSWER

MINISTER OF RAILWAYS

(SHRI SURESH PRABHAKAR PRABHU)

(a) to (d): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO. 344 BY SHRI NISHIKANT DUBEY TO BE ANSWERED IN LOK SABHA ON 23.12.2015 REGARDING MODERNISATION OF RAILWAYS WORKSHOPS

(a): The number of Railway workshops, zone-wise are given below:-

Zone	No. of Railway Workshops
CENTRAL	EIGHT
EASTERN	FIVE
EAST CENTRAL	FOUR
EAST COAST	TWO
NORTHERN	TEN
NORTH CENTRAL	SIX
NORTH EASTERN	FIVE
NORTHEAST FRONTIER	SIX
NORTH WESTERN	SIX
SOUTHERN	SIX
SOUTH CENTRAL	SEVEN
SOUTH EASTERN	FIVE
SOUTH EAST CENTRAL	THREE
SOUTH WESTERN	THREE
WESTERN	EIGHT
WEST CENTRAL	THREE

(b) to (d) Yes, Madam. The Indian Railways are regularly upgrading and modernizing their workshops to enable them to cater to maintenance/manufacture of modern design coaches, wagons, locomotives and equipments being inducted from time to time, as well as to augment facilities for increased workloads. Special Committees have been formed to provide focused attention in the areas of, inter alia, upgradation and induction of technology and leveraging “Make in India” for Railways; upgradation of technical capabilities in workshops and streamlining of business processes for induction of new technology; and Innovation Council (Kayakalp) for incubation of innovative ideas etc. Besides, quality audits are conducted in workshops to identify infrastructural, procedural and skill deficiencies for rectification of the same in a planned manner. Technical and infrastructural inputs in workshops are guided based on inputs received from such mechanisms.

Some priority areas in which Railways are modernizing rolling stock workshops and inducting new technologies are enumerated below:-

- 1. Induction of modern machines including robotic welding, laser cutting and welding, CNC machining centres, etc. to equip workshops for repair and production of modern stainless steel wagons and augmentation of capacities of existing workshops to meet the requirements of increasing population of such wagons.**
- 2. Augmenting facilities for periodic overhauling and intermediate overhauling (POH/IOH) of modern LHB coaches at major coach repair workshops. Computerized test stands have been introduced for testing of brake system for such coaches.**
- 3. Upgradation of workshops for periodic overhauling of modern high horse power diesel electric locomotives and high horse power electric locomotives.**
- 4. Modernisation/revamping of layouts, process re-engineering, introduction of Enterprise Resource Planning (ERP).**
- 5. Provision of facilities for generation of alternate energies.**
- 6. Training of manpower for upgradation of skill for better absorption of new technologies.**
- 7. Upgradation of workshop infrastructure and compliance to international norms for quality, pollution control and factory safety.**
- 8. Augmentation of bogie and roller bearings repairing facilities for improving safety.**

At present, modernization works have been sanctioned in 29 rolling stock workshops in 14 zones across Indian Railways. Zone wise details for these modernization works for various thrust areas are appended.

APPENDIX REFERRED TO IN REPLY TO PARTS (b) TO (d) OF STARRED QUESTION NO. 344 BY SHRI NISHIKANT DUBEY TO BE ANSWERED IN LOK SABHA ON 23.12.2015 REGARDING MODERNISATION OF RAILWAYS WORKSHOPS

S.No.	Zonal Railway	Railway Workshop Location	Thrust area of modernisation / upgradation being undertaken
1	CENTRAL	Carriage Workshop, Matunga	Upgradation of assets & infrastructure.
		Electric Loco Workshop, Bhusawal	Augmentation of wheel sets manufacturing facility
		Locomotive Workshop, Parel	Facilities for Mid-life rehabilitation of coaches
		Kurdwadi Workshop, Kurdwadi	Augmentation of facilities for Rehabilitation of wagons
2	EASTERN	Carriage and Wagon Workshop, Lilluah	Augmentation of facilities for Periodical / Intermediate overhauling of LHB coaches from 10 to 30 coaches per month.
		Carriage and Wagon Workshop, Lilluah	Upgradation of assets & infrastructure.
		Locomotive Workshop, Jamalpur	Upgradation of assets & infrastructure.

		Carriage Workshop , Kanchrapara	Augmentation of Workshop capacity for periodical overhauling of 40 motor and 80 trailer coaches per month
		Carriage Workshop, Kanchrapara	Augmentation of POH capacity from 72 to 96 electric locos
		Carriage and Wagon Workshop, Lilluah	Facilities for overhauling of new generation coaches including upto 26 meter long coaches
3	NORTHERN	Carriage and Wagon Workshop, Jagadhari	Augmentation of facilities for Periodic/Intermediate overhauling capacity from 15 to 35 LHB coaches.
		Carriage and Wagon Workshop, Alambagh	Upgradation of assets & infrastructure.
		Locomotive Workshop, Charbagh	Facilities for intermediate overhauling of 60 coaches per month in loco shop
		Locomotive Workshop, Charbagh	Optimisation of capacity of shops, improvement in infrastructure decongestion, crane gantries etc.
4	NORTH CENTRAL	Wagon repair Workshop, Jhansi	Upgradation of assets & infrastructure.
5	NORTH EASTERN	Mechanical Workshop, Izzatnagar	Facilities for augmenting periodic overhauling by 50 broad gauge coaches/ month.
		Mechanical Workshop,	Augmentation of Broad Gauge coach periodic overhauling

		Gorakhpur	capacity from 125 to 175 coaches per month
6	NORTH EAST FRONTIER	Mechanical Workshop, Dibrugarh	Creation of facilities for Periodical overhauling of LHB coaches.
7	NORTH WESTERN	Carriage and Wagon Workshop, Bikaner	Additional shed for bogie repair and roller bearing workshop
		Carriage and Wagon Workshop, Bikaner	Creation of Periodical Overhauling facilities for BCN & BLC wagons.
		Carriage Workshop, Jodhpur	New Shed for augmenting periodical overhauling of Air-conditions coaches.
		Wagon and Loco Workshop, Ajmer	Upgradation of assets & infrastructure.
		Wagon and Loco Workshop, Ajmer	Upgradation of assets & infrastructure.
8	SOUTHERN	Loco Workshop, Perambur	Upgradation of assets & infrastructure.
		Carriage and Wagon Works, Perambur	Upgradation of assets & infrastructure.
		Diesel Locos, Ponmalai	Facilities for overhauling high horse power new generation diesel locos
		Carriage and Wagon Works, Perambur	Extension of paint shop from line 1 to 9 on Eastern side
9	SOUTH CENTRAL	Carriage Workshop, Lallaguda	Creating facilities for maintenance of LHB coaches.

		Carriage Workshop, Lallaguda	Upgradation of assets & infrastructure.
		Wagon Workshop, Rayanapadu	Upgradation of assets & infrastructure.
10	SOUTH EASTERN	Carriage, Wagon and Locomotive Workshop, Kharagpur	Upgradation of assets & infrastructure.
11	SOUTH EAST CENTRAL	Motibagh Workshop, Nagpur	Setting up of Periodical overhauling shed for non-air conditioned BG coaches.
12	SOUTH WESTERN	Carriage Repair Workshop, Hubli	Upgradation of assets & infrastructure.
13	WESTERN	Loco, Carriage and Wagon Workshop, Dahod	Augmentation of wagon shop maintenance capacity from 450 to 750 wagon per annum.
		Carriage Repair Workshop, Lower Parel	Augmentation of Periodic /Intermediate overhauling capacity from 15 to 30 LHB coaches per month.
		Loco, Carriage and Wagon Workshop, Dahod	Facilities to POH 54 electric locos per annum
		Loco, Carriage and Wagon Workshop, Dahod	Augmentation of POH capacity from 54 to 108 electric locos per annum
		Loco, Carriage and Wagon Workshop, Dahod	Modernisation and augmentation of POH capacity to 150 wagons per month

14	WEST CENTRAL	Wagon Repair Workshop, Kota	Upgradation of assets & infrastructure.
