

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**LOK SABHA
QUESTION NO. 2878
TO BE ANSWERED ON 16.12.2015**

EXPENSES ON FUEL

†2878. SHRI RAKESH SINGH:

Will the Minister of RAILWAYS be pleased to state:

- (a) the zone-wise details of operational cost of railways;**
- (b) whether a major part of the expenditure is made on fuel and if so, the details thereof; and**
- (c) the steps taken to reduce expenditure on fuel?**

ANSWER

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS

(SHRI MANOJ SINHA)

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

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 2878 BY SHRI RAKESH SINGH TO BE ANSWERED IN LOK SABHA ON 16.12.2015 REGARDING EXPENSES ON FUEL.

(a): The zone-wise details of operational cost of Railways for the last three years is appended as Appendix.

(b): The Ordinary Working Expenses (OWE) and the expenditure incurred on fuel on Indian Railways for last three years are as under:

(₹ in crore)

	2012-13	2013-14	2014-15
Ordinary Working Expenses (OWE)	84012.04	97570.76	105995.88
Operating Expenses - Fuel	22326.92	29234.98	28766.47

However, the zone-wise details of Operating Expenses - Fuel for last three years is appended as Appendix.

(c): The steps taken to reduce expenditure on fuel includes setting up captive power plants, deployment of energy efficient locomotives and Electric Multiple Units (EMUs) with regenerative braking, electrification of railway network, adopting energy conservation measures etc. It has also been decided to blend 5% Bio-diesel on diesel locomotives. Dual fuel engines with Compressed Natural Gas (CNG) and diesel have been introduced on Diesel Electric Multiple Units (DEMUs). In addition Auxiliary Power Unit (APU) is fitted on diesel locomotives to reduce fuel consumption during idling by shutting down the main engine. Multigenset locomotives, designed to have more than one engine on board, with number of engines working in relation to train load and shutting down on reduced train loads and duty cycles, have been introduced.

Apart from the above, some other measures to reduce expenditure on fuel are as under:

(i) Monitoring of fuel savings.

(ii) Energy audit of major load centres.

(iii) Re-assessing of Contract Demand for electrical energy.

(iv) Use of energy efficient luminaries & fans at Railway premises. Automation of pumps, timers for high-mast lighting and sensors in offices to reduce consumption of electrical energy.

(v) Regular counseling of loco pilots for improving enginemanship and driving skills on simulators and shutting off idle locomotives in sheds/yards to contain wasteful consumption of fuel. While working on 'Multiple Unit' formation switching off trailing locos in case of light load will also result in savings of energy.

APPENDIX REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO.2878 BY SHRI RAKESH SINGH TO BE ANSWERED IN LOK SABHA ON 16.12.2015 REGARDING EXPENSES ON FUEL

(a) & (b): Zone wise details of operational costs of Railways and the fuel expenditure for the last 3 years are as under:

(₹ in crore)

Zones	2012-13		2013-14		2014-15	
	Ordinary Working Expenses	Operating Expenses Fuel	Ordinary Working Expenses	Operating Expenses Fuel	Ordinary Working Expenses	Operating Expenses Fuel
Central	7696.82	2263.69	8633.28	2696.31	9651.12	2917.35
Eastern	6305.98	1141.28	6848.16	1401.02	7595.35	1463.32
East Central	5485.36	1351.70	6486.37	1703.50	7131.87	1658.35
East Coast	3733.72	1167.71	4843.01	1637.85	5326.79	1525.70
Northern	10067.97	2306.78	11842.23	3134.90	12656.47	3011.78
North Central	4969.22	1402.48	5747.63	1632.27	6274.42	1646.51
North Eastern	3135.18	824.32	3616.66	1050.22	3786.24	1063.09
Northeast Frontier	3825.66	857.13	4456.62	1345.09	4731.92	1230.66
North Western	3283.04	978.02	4320.83	1726.45	4791.71	1823.37
Southern	5752.83	1363.71	6512.98	1793.92	7040.97	1685.57
South Central	7386.33	2407.36	8787.29	3236.32	9229.25	3009.39
South Eastern	4859.01	1061.38	5536.02	1294.58	6117.10	1294.90
South East Central	3174.92	761.09	3831.07	969.79	4279.92	1045.17
South Western	2830.86	946.47	3459.51	1372.83	3724.17	1367.17
Western	7075.86	2146.86	7669.10	2537.11	8369.43	2368.41
West Central	4189.50	1312.69	4722.33	1664.70	4997.87	1611.63
Metro	239.78	34.25	257.67	38.12	291.28	44.10
Total	84012.04	22326.92	97570.76	29234.98	105995.88	28766.47
