

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.4638  
TO BE ANSWERED ON 15.12.2016**

**T&D LOSSES**

**†4638. SHRIMATI JAYSHREEBEN PATEL:**

**Will the Minister of POWER  
be pleased to state:**

- (a) the percentage of transmission losses permissible presently;**
- (b) the extent to which consumers are bearing the burden on account of transmission and distribution losses being incurred to the companies, State-wise;**
- (c) the proportion in which States and consumers are bearing the burden of transmission losses; and**
- (d) the steps being taken to bring down the transmission losses in the country?**

**A N S W E R**

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,  
COAL, NEW & RENEWABLE ENERGY AND MINES**

**( SHRI PIYUSH GOYAL )**

**(a) : Presently, the percentage of transmission losses only are in the range of 2 to 4%, depending on the grid condition and availability of different sources of generation in the grid.**

**(b) & (c): As per the information available in Power Finance Corporation (PFC) report on "Report on Performance of State Power Utilities" the state-wise and utility-wise Aggregate Technical & Commercial (AT&C) losses for utilities selling directly to consumers for the years 2012-13 to 2014-15 is as given at Annex.**

**Respective State Electricity Regulatory Commissions (SERCs) take into account the AT&C losses to finalise the tariff for various categories of consumers.**

**(d) : As part of efforts to reduce transmission losses on Extra High Voltage (EHV) transmission lines, the transmission system is being planned with higher voltage level using 400 kV, 765 kV lines, especially for long distance transmission of power.**

**Electricity is a concurrent subject and distribution of electricity falls under the purview of the respective State Government/State Power Utility. It is the responsibility of distribution licensees to take steps to reduce AT&C losses. Central Government supplements their efforts by launching various schemes from time to time to achieve this objective.**

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**ANNEX REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 4638 TO BE ANSWERED IN THE LOK SABHA ON 15.12.2016.**

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**AT&C Losses for Utilities Selling Directly to Consumers**

Region	State	Utility	2012-13	2013-14	2014-15	
Eastern	Bihar	BSEB	59.40			
		NBPDCL	50.85	41.93	41.76	
		SBPDCL	45.77	48.70	45.28	
		<b>Bihar Total</b>	<b>54.64</b>	<b>46.33</b>	<b>43.99</b>	
	Jharkhand	JSEB	47.49	26.30		
		JBVNL			47.01	
		<b>Jharkhand Total</b>	<b>47.49</b>	<b>26.30</b>	<b>47.01</b>	
	Odisha	CESU	43.43	38.48	37.08	
		NESCO	39.61	36.47	38.36	
		SESCO	49.36	41.18	42.57	
		WESCO	41.87	41.24	41.03	
		<b>Odisha Total</b>	<b>42.88</b>	<b>39.19</b>	<b>39.28</b>	
	Sikkim	Sikkim PD	53.51	71.23	42.37	
		<b>Sikkim Total</b>	<b>53.51</b>	<b>71.23</b>	<b>42.37</b>	
	West Bengal	WBSEDCL	34.43	32.05	35.35	
		<b>West Bengal Total</b>	<b>34.43</b>	<b>32.05</b>	<b>35.35</b>	
	<b>Eastern Total</b>			<b>42.04</b>	<b>36.24</b>	<b>39.64</b>
	North Eastern	Arunachal Pradesh	Arunachal PD	60.26	68.20	67.83
			<b>Arunachal Pradesh Total</b>	<b>60.26</b>	<b>68.20</b>	<b>67.83</b>
		Assam	APDCL	31.85	30.25	26.00
		<b>Assam Total</b>	<b>31.85</b>	<b>30.25</b>	<b>26.00</b>	
Manipur		Manipur PD	85.49	43.55		
		MSPDCL			49.62	
		<b>Manipur Total</b>	<b>85.49</b>	<b>43.55</b>	<b>49.62</b>	
Meghalaya		MePDCL	41.71	39.77	34.69	
		<b>Meghalaya Total</b>	<b>41.71</b>	<b>39.77</b>	<b>34.69</b>	
Mizoram		Mizoram PD	27.55	32.53	33.51	
		<b>Mizoram Total</b>	<b>27.55</b>	<b>32.53</b>	<b>33.51</b>	
Nagaland		Nagaland PD	75.30	38.37	78.48	
		<b>Nagaland Total</b>	<b>75.30</b>	<b>38.37</b>	<b>78.48</b>	
Tripura		TSECL	34.45	41.81	38.02	
		<b>Tripura Total</b>	<b>34.45</b>	<b>41.81</b>	<b>38.02</b>	
<b>North Eastern Total</b>				<b>39.97</b>	<b>35.92</b>	<b>35.29</b>
Northern		Delhi	BSES Rajdhani	15.16	16.19	10.76
			BSES Yamuna	17.94	15.51	19.68
			TPDDL	13.12	9.75	10.31
			<b>Delhi Total</b>	<b>15.22</b>	<b>14.09</b>	<b>12.90</b>
	Haryana	DHBVNL	28.31	30.89	30.71	
		UHBVNL	36.97	38.61	34.83	
		<b>Haryana Total</b>	<b>32.55</b>	<b>34.33</b>	<b>32.52</b>	
	Himachal Pradesh	HPSEB Ltd.	11.90	14.82	15.21	
		<b>Himachal Pradesh Total</b>	<b>11.90</b>	<b>14.82</b>	<b>15.21</b>	
	Jammu & Kashmir	J&K PDD	60.87	49.14	59.04	
		<b>Jammu &amp; Kashmir Total</b>	<b>60.87</b>	<b>49.14</b>	<b>59.04</b>	
	Punjab	PSPCL	17.52	17.87	17.56	
		<b>Punjab Total</b>	<b>17.52</b>	<b>17.87</b>	<b>17.56</b>	
	Rajasthan	AVVNL	19.90	22.06	28.13	
		JDVVNL	18.97	25.71	26.99	
		JVVNL	20.91	31.08	32.00	
		<b>Rajasthan Total</b>	<b>20.00</b>	<b>26.77</b>	<b>29.28</b>	

	<b>Uttar Pradesh</b>	<b>DVVN</b>	<b>45.69</b>	<b>36.47</b>	<b>40.18</b>
		<b>KESCO</b>	<b>37.61</b>	<b>34.29</b>	<b>32.02</b>
		<b>MVVN</b>	<b>45.83</b>	<b>14.43</b>	<b>35.18</b>
		<b>Pash VVN</b>	<b>33.39</b>	<b>23.49</b>	<b>22.19</b>
		<b>Poorv VVN</b>	<b>52.37</b>	<b>20.09</b>	<b>42.91</b>
	<b>Uttar Pradesh Total</b>		<b>42.85</b>	<b>24.67</b>	<b>33.82</b>
	<b>Uttarakhand</b>	<b>Ut PCL</b>	<b>23.18</b>	<b>19.01</b>	<b>18.82</b>
	<b>Uttarakhand Total</b>		<b>23.18</b>	<b>19.01</b>	<b>18.82</b>
	<b>Northern Total</b>		<b>28.89</b>	<b>24.86</b>	<b>28.06</b>
<b>Southern</b>	<b>Andhra Pradesh</b>	<b>APCPDCL</b>	<b>15.64</b>	<b>17.54</b>	
		<b>APEPDCL</b>	<b>10.15</b>	<b>6.57</b>	<b>7.67</b>
		<b>APNPDCL</b>	<b>13.09</b>	<b>20.80</b>	
		<b>APSPDCL</b>	<b>12.74</b>	<b>11.77</b>	<b>12.01</b>
	<b>Andhra Pradesh Total</b>		<b>13.70</b>	<b>14.77</b>	<b>10.55</b>
	<b>Karnataka</b>	<b>BESCOM</b>	<b>20.45</b>	<b>18.93</b>	<b>17.59</b>
		<b>CHESCOM</b>	<b>30.42</b>	<b>33.92</b>	<b>21.64</b>
		<b>GESCOM</b>	<b>18.28</b>	<b>30.45</b>	<b>21.25</b>
		<b>HESCOM</b>	<b>20.44</b>	<b>20.42</b>	<b>19.49</b>
		<b>MESCOM</b>	<b>14.57</b>	<b>14.83</b>	<b>15.72</b>
	<b>Karnataka Total</b>		<b>20.78</b>	<b>22.02</b>	<b>18.71</b>
	<b>Kerala</b>	<b>KSEB</b>	<b>12.32</b>	<b>11.45</b>	
		<b>KSEBL</b>		<b>22.99</b>	<b>17.64</b>
	<b>Kerala Total</b>		<b>12.32</b>	<b>16.48</b>	<b>17.64</b>
	<b>Puducherry</b>	<b>Puducherry PD</b>	<b>9.13</b>	<b>16.18</b>	<b>16.64</b>
	<b>Puducherry Total</b>		<b>9.13</b>	<b>16.18</b>	<b>16.64</b>
	<b>Tamil Nadu</b>	<b>TANGEDCO</b>	<b>20.71</b>	<b>22.35</b>	<b>24.74</b>
	<b>Tamil Nadu Total</b>		<b>20.71</b>	<b>22.35</b>	<b>24.74</b>
	<b>Telangana</b>	<b>TSNPDCL</b>			<b>16.49</b>
		<b>TSSPDCL</b>			<b>11.91</b>
	<b>Telangana Total</b>				<b>13.23</b>
	<b>Southern Total</b>		<b>17.40</b>	<b>19.08</b>	<b>18.22</b>
<b>Western</b>	<b>Chhattisgarh</b>	<b>CSPDCL</b>	<b>25.12</b>	<b>23.17</b>	<b>27.84</b>
	<b>Chhattisgarh Total</b>		<b>25.12</b>	<b>23.17</b>	<b>27.84</b>
	<b>Goa</b>	<b>Goa PD</b>	<b>14.14</b>	<b>10.72</b>	<b>13.31</b>
	<b>Goa Total</b>		<b>14.14</b>	<b>10.72</b>	<b>13.31</b>
	<b>Gujarat</b>	<b>DGVCL</b>	<b>10.40</b>	<b>10.83</b>	<b>10.81</b>
		<b>MGVCL</b>	<b>14.94</b>	<b>14.77</b>	<b>11.47</b>
		<b>PGVCL</b>	<b>30.41</b>	<b>24.12</b>	<b>25.18</b>
		<b>UGVCL</b>	<b>14.37</b>	<b>9.10</b>	<b>10.21</b>
	<b>Gujarat Total</b>		<b>19.87</b>	<b>15.93</b>	<b>16.06</b>
	<b>Madhya Pradesh</b>	<b>MP Madhya Kshetra VVCL</b>	<b>29.97</b>	<b>29.60</b>	<b>32.47</b>
		<b>MP Paschim Kshetra VVCL</b>	<b>28.16</b>	<b>21.15</b>	<b>30.79</b>
		<b>MP Purv Kshetra VVCL</b>	<b>36.40</b>	<b>34.83</b>	<b>27.09</b>
	<b>Madhya Pradesh Total</b>		<b>31.15</b>	<b>28.03</b>	<b>30.26</b>
	<b>Maharashtra</b>	<b>MSEDCL</b>	<b>21.95</b>	<b>14.39</b>	<b>19.75</b>
	<b>Maharashtra Total</b>		<b>21.95</b>	<b>14.39</b>	<b>19.75</b>
	<b>Western Total</b>		<b>23.36</b>	<b>18.37</b>	<b>21.59</b>
	<b>Grand Total</b>		<b>25.48</b>	<b>22.58</b>	<b>24.62</b>

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