

LOK SABHA  
UNSTARRED QUESTION NO. 3314  
TO BE ANSWERED ON 23.03.2022

TEXTILE WASTE

3314. SHRI DUSHYANT SINGH:

Will the Minister of TEXTILES वस्त्र मंत्री  
be pleased to state :

- (a) whether the Government attention is drawn to increased textile waste in the country in the form of discharge of dyes into water streams and dumping of cloths into garbage;
- (b) if so, the details of textile waste produced in India from the year 2016- 2021, state wise;
- (c) whether the Government has noticed rapid increase in greenhouse gas emissions over the time in the country and if so, the details of greenhouse gas emissions from textile industry in the country from 2016- 2021;
- (d) whether the Government has data on recycling and waste management of waste produced by the textile industry and if so, the details thereof; and
- (e) whether the Government has received any proposals to set up waste management plants at the textile industries, if so, the details thereof and if not, the other Government interventions to address this issue?

उत्तर

ANSWER

वस्त्र राज्य मंत्री (श्रीमती दर्शना जरदोश)  
THE MINISTER OF STATE FOR TEXTILES  
(SMT. DARSHANA JARDOSH)

**(a):** The waste generated from textile industry such as chemical residues, ETP sludge, etc. are categorized as Hazardous Waste, while waste cloths are categorized as general waste.

Government of India has notified Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (HOWM Rule, 2016) under the Environment (Protection) Act, 1986 for safe handling and management of hazardous and other waste. Waste generated from production of textile and industrial use of synthetic dyes, dye-intermediates and pigments are covered under Schedule-I of the HOWM Rule, 2016.

Central Pollution Control Board (CPCB) has prepared Standard Operating Procedures (SoPs) for utilization of waste generated from textile industry and circulated to SPCBs/PCCs for granting authorization after ensuring technical capabilities and equipment complying with the said SOPs.

**(b) & (d):** The state-wise details of number of hazardous waste generating units, quantity of hazardous waste generated and managed (in terms of recycling, utilization, disposal and storage) from 2016 to 2021 including textile hazardous waste, are provided at Annexure-I, II, III, IV and V.

**(c) & (e):** As per Ministry of Environment, Forest and Climate Change, which is dealing with the subject, specific information regarding greenhouse gas emissions from textile industry and proposals to set up waste management plants at the textile industries is not available with Central Pollution Control Board.

**State-wise Status on Generation and Management of Hazardous Waste in the Country (2016-17)**

SPCB/PCC	No. of Hazardous Wastes Generating Industries	Opening Stock of HW	Total quantity of Hazardous waste generated (MT)	Quantity of Hazardous waste recycled (MT)	Quantity of Hazardous waste utilized (MT)	Quantity of Hazardous waste disposed (MT)	Closing Stock of HW
Andaman and Nicobar Islands	0	*	0	0	0	0	0
Andhra Pradesh	2,298	*	2,82,266	51,495	53,982	1,52,777	30,282
Arunachal Pradesh	0	*	0	0	0	0	0
Assam	55	*	29,435	4,984	27,489	10,075	4,765
Bihar	121	*	7,629	93	6,648	78	9,381
Chhattisgarh	264	*	65,186	16,141	35,332	1,883	11,831
Delhi	1136	*	4,197	0	0	0	21,006
Gujarat	11,200	*	28,11,925	4,25,747	8,97,966	10,59,044	4,29,150
Goa	1,409	*	24,796	913	478	20,551	1,320
Haryana	3,941	*	58,829	7,459	8,655	33,591	9,124
H.P.	3,108	*	29,029	322	12,004	17,804	11
J. & K.	213	*	1,043	4	0	12	1,027
Jharkhand	562	*	5,78,789	12,465	5,55,160	4,613	6,550
Karnataka	3264	*	3,36,792	64,958	1,56,118	62,584	54,553
Kerala	927	*	38,466	3,711	0	34,499	253
Lakshadweep	0	*	0	0	0	0	0
Madhya Pradesh	2222	*	1,25,881	17,452	61,677	32,818	22,502
Maharashtra	6160	*	3,81,686	30,106	6,066	3,45,505	0
Manipur	255	*	0	0	0	0	0
Meghalaya	11	*	76	37	0	0	309
Mizoram	28	*	0	0	0	0	15
Nagaland	2	*	10	0	0	0	0
Odisha	184	*	5,95,698	5,515	4,76,131	51,660	1,31,785
Punjab	3,294	*	1,15,490	27,567	44,415	30,613	20,586
Rajasthan	1,046	*	7,24,663	30,868	99,401	5,68,531	16,041
Sikkim	23	*	785	0	0	1,571	0
Tripura	167	*	270	239	2	9	21
Tamil Nadu	3,615	*	3,83,189	1,18,976	87,855	1,47,123	31,053
Telangana	2,510	*	2,77,079	90,567	36,958	1,44,183	5,371
Uttar Pradesh	2,334	*	1,86,592	46,399	66,698	68,930	4,564
Uttarakhand	3,671	*	24,264	9,861	5,850	7,726	828
West Bengal	1,036	*	85,849	21,699	22,677	45,737	17,856
Daman & Diu, Dadra & NH	0	*	0	0	0	0	0
Puducherry	127	*	0	10,183	15,902	772	71,489
Chandigarh	1167	*	2,847	2,766	0	81	0
<b>Total</b>	<b>56,350</b>	<b>*</b>	<b>71,72,762</b>	<b>10,00,526</b>	<b>26,77,465</b>	<b>2,84,2769</b>	<b>9,01,672</b>

\*information not available

**State-wise Status on Generation and Management of Hazardous Waste in the Country (2017-18)**

SPCB/PCC	No. of Hazardous Wastes Generating Industries	Opening Stock of HW (MT)	Total quantity of Hazardous waste generated (MT)	Quantity of Hazardous waste recycled (MT)	Quantity of Hazardous waste utilized (MT)	Quantity of Hazardous waste disposed (MT)	Closing Stock of HW (MT)
Andaman and Nicobar Islands	0	0	0	0	0	0	0
Andhra Pradesh	2,503	26,922	5,95,749	1,01,080	3,49,923	1,73,710	39,855
Arunachal Pradesh	Annual inventory not submitted						
Assam	77	23,776	49,043	3,605	33,602	0	27,171
Bihar	152	1,718	3,106	3,552	0	0	7,488
Chhattisgarh	282	1,330	1,03,861	4,051	1,06,699	10,029	1,703
Delhi	301	5,528	5,528	0	0		6,733
Gujarat	20,169	7,80,000	43,50,000	84,914	1,85,2707	11,27,159	1,95,0000
Goa	1,440	1,320	26,031	651	284	19,011	833
Haryana	4,310	15,812	70,957	36,582	1,720	12,622	26,139
H.P.	3,541	173	24,455	11,486	3,214	14,579	192
J. & K.	227	3,330	4,496	41,800	178	0	3,825
Jharkhand	556	26,037	2,52,467	3,893	46,584	585	23,412
Karnataka	3,302	18,639	3,15,453	56,008	2,49,852	39,398	19,138
Kerala	1,222	18,250	1,15,394	55,734	0	73,718	18,255
Lakshadweep	0	0	0	0	0	0	0
Madhya Pradesh	2,564	43,143	2,51,234	75,911	1,79,030	45,342	1,10,476
Maharashtra	6,353	0	4,99,133	3,01,497	0	3,41,298	15,993
Manipur	255	0	0	0	0	0	0
Meghalaya	14	0	459	447	0	0	13
Mizoram	33	0	0	0	0	0	0
Nagaland	1	10	10	10	0	0	10
Odisha	335	10,2402	6,46,112	4,364	62,990.9	54,591	1,50,389
Punjab	3,284	28,441	1,13,367	37,317	53,201	28,834	32,334
Rajasthan	1,511	16,040	7,62,027	81,055	3,38,813	5,77,734	36,454
Sikkim	56	0	1,051	0	0	0	1,051
Tripura	171	21	273	0	0	0	12
Tamil Nadu	3,750	2,05,536	5,76,733	1,24,108	1,26,433	1,78,487	3,36,645
Telangana	2,642	12,929	2,49,996	50,183	71,352	1,18,357	15,542
Uttar Pradesh	2,366	4,564	2,41,867	59,307	1,10,964	71,695	0
Uttarakhand	3,699	45	20,907	10,901	703	8,377	4,319
West Bengal	1,044	18,263	1,26,573	53,169	27,087	1,08,614	36,696
Daman & Diu, Dadra & NH	362	4,544	4,056	14,803	11,772	6,897	19,062
Puducherry	147	435	26,425	121	7,082	52	1,948
Chandigarh	245	0	2116	0	0	0	0
<b>Total</b>	<b>66,914</b>	<b>13,59,208</b>	<b>94,38,879</b>	<b>12,16,549</b>	<b>36,34,191</b>	<b>30,11,089</b>	<b>28,85,688</b>

**State-wise Status on Generation and Management of Hazardous Waste in the Country**  
**(2018-19)**

SPCB/PCC	No. of Hazardous Wastes Generating Industries	Opening Stock of HW (MT)	Total quantity of Hazardous waste generated (MT)	Quantity of Hazardous waste recycled (MT)	Quantity of Hazardous waste utilized (MT)	Quantity of Hazardous waste disposed (MT)	Closing Stock of HW (MT)
Andaman and Nicobar Islands	2	0	0.16	0	0	-	0.16
Andhra Pradesh <sup>#</sup>	2,683	39,842	5,15,804	68,563	3,77,423	1,52,302	35,738
Arunachal Pradesh	Annual Inventory not submitted						
Assam	105	0	45,540	9,525	0	-	0
Bihar	138	7,488	8,862	4,644	0	-	5,065
Chhattisgarh	377	99,356	1,44,260	7,562	40,564	-	1,14,200
Delhi	3,503	37,090	5,479	0	0	-	42,467
Goa	1,561	833	28,484	1,134	138	-	3,280
Gujarat	18,769	8,52,496	25,21,317	1,61,782	9,54,929	13,25,692	11,86,286
Haryana <sup>#</sup>	4,550	22,982	98,526	2,25,603	9,175	13,207	22,338
Himachal Pradesh	2,508	129	26,364	12,143	5,708	18,264	718
Jammu & Kashmir	236	1,614	1,101	34,331	0	16	1,345
Jharkhand	561	22,443	4,59,229	6,650	3,284	3,463	4,10,269
Karnataka <sup>#</sup>	3,451	22,436	3,62,462	1,45,358	81,851	62,368	17,638
Kerala	1345	47614	59081	5583	29240	81184	55580
Lakshadweep	46	0	0	0	0	0	0
Madhya Pradesh	2,732	62,891	1,81,819	49,686	1,15,576	48,025	15,333
Maharashtra	6,910	15,993	11,02,879	1,10,443	19,304	4,73,715	73,376
Manipur	352	0	0	0	0	0	0
Meghalaya <sup>#</sup>	19	0	487	0	0	0	0
Mizoram	37	0	0	0	0	0	0
Nagaland	1	10	10	10	0	0	10
Odisha	360	2,37,489	6,88,391	3,544	5,77,981	64,452	2,63,070
Punjab <sup>#</sup>	3,197	32,643	88,391	21,602	394	26,528	28,388
Rajasthan <sup>#</sup>	1,633	27,174	5,62,464	90,930	5,27,999	6,84,606	72,826
Sikkim	51	0	1,467	0	0		120
Tamil Nadu	3,607	2,94,466	9,29,250	1,24,781	5,10,055	1,13,616	2,84,760
Telangana <sup>#</sup>	2,377	15,537	3,51,992	48,601	1,43,435	1,16,276	25,019
Tripura	171	21	273	0	0		12
Uttar Pradesh	24,60	4,564	2,45,025	77,557	73,205	1,02,321	4,615
Uttarakhand	4,214	1,818	22,183	21,613	1,508	9,408.07	2,580
West Bengal	716	16,045	1,52,236	63,295	29,414	60,585	50,128
Daman & Diu, Dadra & NH \$	362	0	0	0	0	0	0
Puducherry	129	1,599	34,053	8	11,801	0	2,805
Chandigarh	253	0	1,798	790	0	0	0
<b>Total</b>	<b>69,416</b>	<b>18,64,573</b>	<b>86,39,227</b>	<b>12,95,738</b>	<b>35,12,984</b>	<b>33,56,028</b>	<b>27,17,966</b>

**State-wise Status on Generation and Management of Hazardous Waste in the Country (2019-20)**

SPCB/PCC	No. of Hazardous Wastes Generating Industries	Opening Stock of HW (MT)	Total quantity of Hazardous waste generated (MT)	Quantity of Hazardous waste recycled (MT)	Quantity of Hazardous waste utilized (MT)	Quantity of Hazardous waste disposed (MT)	Closing Stock of HW (MT)
Andaman and Nicobar Islands*	3	0.16	0	0	0	0	60
Andhra Pradesh*	2,648	34,825	6,20,952	1,14,663	2,81,399	1,65,340	23,224
Arunachal Pradesh	Annual Inventory not submitted						
Assam	183	7,590	52,394	3,068	0	0	3,084
Bihar	166	5,065	7,630	3,598	366	0	6,501
Chandigarh	1,363	0	2,125	602	0	0	0
Chhattisgarh*	413	1,14,572	1,72,438	3,165	1,57,070	31,387	1,03,985
DD&DNH*	410	2,671	4,631	11,634	0	8,290	2,552
Delhi*	1,912	42,467	2,683	0	0	0	44,849
Goa	1,628	3,280	28,569	3,149	152	10,769	940
Gujarat*	19,662	4,49,131	24,85,317	1,72,204	9,40,864	1,48,4630	7,16,629
Haryana	4,845	11,544	2,00,606	2,08,695	1,547	15,927	16,541
Himachal Pradesh*	2,436	169	27,725	16,162	7,240	22,397	1,244
J. & K.	238	1,332	1,213	61,575	0	14	1,247
Jharkhand*	566	19,949	4,09,761	4,488	4,120	11,141	11,207
Karnataka		0			0	0	0
Kerala	1,616	57,888	3,11,042	7,421	43,739	69,740	70,324
Lakshadweep	Annual Inventory not submitted						
Madhya Pradesh*	2,863	12,261	2,32,199	46,610	1,23,678	59,601	13,720
Maharashtra	7,257	73,377	9,99,566	1,70,218	1,05,117	3,53,693	16,908
Manipur	374	0	0	0	0	0	0
Meghalaya	19	0	276	0	0	0	0
Mizoram	40	0	20	0	0	0	21
Nagaland	38	0	29	0	0	0	17
Odisha*	360	2,62,824	6,79,860	2,345	3,74,954	49,513	2,55,012
Puducherry	131	3,270	34,907	0	12,850	0	3,528
Punjab*	3,263	26,719	1,22,167	26,353	3,030	31,075	32,387
Rajasthan <sup>#</sup>	2,094	18,627	5,87,554	97,922	6,62,400	5,09,130	38,132
Sikkim	49	120	1722	0	0	0	273
Tamil Nadu	3,961	2,75,910	9,64,811	1,20,434	7,52,469	1,13,928	1,66,359
Telangana	3,024	25,019	3,17,091	15,187	1,32,565	1,10,371	25,812
Tripura	Annual Inventory not submitted						
Uttar Pradesh*	2,597	4,615	3,62,114	74,526	3,71,543	1,37,215	4,621
Uttarakhand*	4,340	2,580	21,818	23,569	1,156	8,673	1,990
West Bengal*	809	15,717	1,31,412	37,838	62,780	42,419	14,598
<b>Total</b>	<b>69,308</b>	<b>14,71,522</b>	<b>87,82,632</b>	<b>12,25,426</b>	<b>40,39,039</b>	<b>3,235,253</b>	<b>15,75,765</b>

\*SPCBs/PCCs have not submitted revised inventory. # Rajasthan PCC submitted inventory in the last week of December, therefore, gaps/issues not analysed

**State-wise Status on Generation and Management of Hazardous Waste in the Country (2020-21)**

SPCB/PCC	No. of Hazardous Wastes Generating Industries	Opening Stock of HW (MT)	Total quantity of Hazardous waste generated (MT)	Quantity of Hazardous waste recycled (MT)	Quantity of Hazardous waste utilized (MT)	Quantity of Hazardous waste disposed (MT)	Closing Stock of HW (MT)
Andaman and Nicobar Islands	Annual inventory not Submitted						
Andhra Pradesh	2708	202527	648308	110184	189210	0	24790
Arunachal Pradesh	88	0	03	0	0	179094	0
Assam	194	67,666	87,324	5,470	1,211	0	71,700
Bihar	191	6,501	7,717	3,862	1,149	0	5,181
Chandigarh	1,282	0	1,279	0	0	0	0
Chhattisgarh	477	1,03,983	1,55,721	3,014	1,70,498	3,092	1,00,290
DD&DNH	Annual inventory not Submitted						
Delhi	2,318	44,848	2,945	0	0	0	47,460
Goa	1,681	940	27,016	1,940	592	4,665	1,009
Gujarat	20,433	7,16,629	31,93,378	1,96,750	11,66,310	1,331,029	5,90,619
Haryana	5,106	13,833	1,33,804	2,88,604	5,647	1,75,167	15,724
Himachal Pradesh	2,447	1,244	27,849	15,981	6,739	19,015	892
J.& K.	242	1,247	1,358	39,248	0	0	1,271
Jharkhand	550	3,3122	2,02,814	5,590	1,435	29,087	4,07,090
Karnataka	3,511	30,904	2,92,661	1,21,280	1,88,861	70,087	31,400
Kerala	1,838	69,465	57,863	5,153	1,25,478	62,108	83,511
Lakshadweep	Annual inventory not Submitted						
Madhya Pradesh	3,041	20,130	2,07,928	58,561	34,908	44,709	21,690
Maharashtra	7,559	16,909	7,71,321	1,19,948	1,46,365	3,34,898	20,626
Manipur	478	0	01	0	0	0	0
Meghalaya	Annual inventory not Submitted						
Mizoram	24	0	51	0	0	0	51
Nagaland	41	0	31	0	0	0	0
Odisha	366	45,004	6,90,246	6,883	4,74,474	50,965	2,79,227
Puducherry	139	1,285	33,483	0	12,677	0	1,143
Punjab	3,328	32,005	1,18,727	44,101	13,974	32,429	30,049
Rajasthan	2,190	18,444	6,43,861	1,25,127	5,93,174	1,83,835	64,943
Sikkim	49	273	1942	0	0	0	148
Tamil Nadu	4,199	2,35,356	7,91,029	85,276	6,58,839	93,811	2,26,421
Telangana	3,179	25,812	3,33,335	29,895	1,55,167	1,14,923	25,879
Tripura	172	12	257	240	0	0	20
Uttar Pradesh	2,639	4,615	5,85,683	1,16,689	1,25,426	1,22,230	4,592
Uttarakhand	4,475	2,064	22,736	13,873	1,823	7,323	1,663
West Bengal	812	17,747	1,97,433	39,709	1,01,927	39,585	41,930
<b>Total</b>	<b>75,757</b>	<b>15,30,565</b>	<b>92,38,104</b>	<b>14,37,378</b>	<b>41,75,884</b>	<b>28,98,052</b>	<b>20,99,319</b>

\*\*\*