

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.4018  
ANSWERED ON 19.12.2024**

**PROCESS FOR DISPOSAL OF FLY ASH**

**†4018. SHRI SHYAMKUMAR DAULAT BARVE:**

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

- (a) the details of quantity of pound ash and fly ash generated from coal consumption in power plants under National Thermal Power Corporation (NTPC) during the last five years and the current year, plant and year-wise;**
- (b) whether any mechanically designed covered vehicles are not being used by NTPC Ltd. for transportation of such ash;**
- (c) if so, the details thereof;**
- (d) the process of disposal and transportation of fly and pound ash; and**
- (e) the criteria of NTPC Ltd. for entering into contracts with public or private companies for management of fly ash?**

**A N S W E R**

**THE MINISTER OF STATE IN THE MINISTRY OF POWER**

**(SHRI SHRIPAD NAIK)**

**(a) : Plant wise details of ash generated (including pond ash) from NTPC thermal power plants during last five years and the current year are given at Annexure.**

**(b) & (c) : Dry fly ash is transported in closed bulkers to cement manufacturing plants, brick manufacturing units etc. from the power plant and pond ash is transported from Ash Dyke through Bulklers / Trucks covered with Tarpaulin, in an eco-friendly manner.**

**(d) : The process of disposal and transportation of ash (dry fly ash and pond ash) in NTPC Thermal Power Plants (TPPs) is as under:**

- (i) Ash generated from TPPs is being utilized for eco-friendly purposes in accordance with Ministry of Environment, Forest and Climate Change (MoEF&CC) notification dated 31.12.2021 , as amended from time to time, to meet the statutory compliances of ash utilization;**
- (ii) Storage and evacuation of ash are being done in safe, scientific and eco-friendly manner. NTPC considers ash utilization as an integral process of power generation and has a dedicated policy for its utilization;**
- (iii) Dry fly ash is collected from the high efficiency Electrostatic Precipitator (ESP) installed for air emission control and stored in 'Ash Silos' and issued through Dry Ash Extraction System (DAES) in closed bulkers to Cement manufacturing plant, brick manufacturing units etc. from the plant;**
- (iv) Pond ash is transported in covered Bulkers to projects like Road Construction by NHAI (across India), Public Works Department (PWD), Road Development Corporation, etc.;**
- (v) All necessary fugitive dust control measures are implemented at thermal power plants;**
- (vi) Pond Ash is stored in Ash Dyke and further, evacuated / transported in an eco-friendly manner;**
- (vii) Most of the area in ash pond remains wet which controls fugitive dust;**
- (viii) All ash loaded trucks are covered with Tarpaulin to avoid any ash spillage on the roads.**

**(e) : NTPC Ltd. enters into contracts with any public or private companies for transportation & management of fly ash through transparent and open competitive bidding in accordance with guidelines issued by MoEF&CC and Ministry of Power (MoP), from time to time.**

\*\*\*\*\*

**ANNEXURE**

**ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.4018 ANSWERED IN THE LOK SABHA ON 19.12.2024**

\*\*\*\*\*

**Details of ash generated (dry fly ash and pond ash) from NTPC Thermal Power Plants (TPPs)**

Sl. No.	Station	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25 (Till November)	
		Total Ash Generation (LMT)	Pond Ash Generation (LMT)	Total Ash Generation (LMT)	Pond Ash Generation (LMT)	Total Ash Generation (LMT)	Pond Ash Generation (LMT)	Total Ash Generation (LMT)	Pond Ash Generation (LMT)	Total Ash Generation (LMT)	Pond Ash Generation (LMT)	Total Ash Generation (LMT)	Pond Ash Generation (LMT)
1	BARH SUPER	20.64	15.28	20.4	12.54	21.56	15.48	32.56	24.47	37.28	29.26	31.67	26.23
2	BHILAI	7.07	0.54	10.48	5.21	11.42	6.94	10.77	4.24	11.61	4.38	7.55	2.75
3	BONGAIGAON	7	3.82	5.24	1.95	7.57	3.18	10.25	4.48	11.74	5.66	7.45	2.7
4	BRBCL NABINAGAR	11.23	5.67	12.98	9.17	16.11	13.46	17.96	14.33	20.28	16.84	12.58	9.35
5	DADRI	15.2	2.64	9.41	0.00	12.85	0.71	22.9	1.82	23.32	1.75	17.6	1.71
6	DARLIPALLI	1.12	1.12	15.48	15.43	30.63	30.6	38.86	37.9	43.1	38.99	25.68	19.38
7	FARAKKA	31.81	28.58	28.25	18.9	27.88	22.59	25.22	23.22	29.84	27.82	22.96	21.05
8	GADARWARA	2.88	2.87	9.44	8.66	16.85	15.72	19.59	18.99	21.33	20.93	13.77	13.39
9	IGSTPS JHAJJAR	8.62	0.00	8.46	0.00	16.42	6.07	18.3	5.44	21.43	8.75	15.68	8.55
10	KAHALGAON	48.48	39.36	40.17	28.75	42.31	31.33	35.47	25.74	45.95	35.72	36.32	31.85
11	KANTI TPS	8.25	7.54	7.1	5.82	7.88	6.64	7.54	6.09	8.5	7.41	5.13	4.33
12	KHARGONE	1.27	1.21	8.13	3.98	14.08	7.58	12.99	5.53	17.65	8.15	14.6	6.82
13	KORBA	49.98	49.21	47.93	33.36	51.67	50.59	54.57	52.9	51.95	49.9	34.55	32.11
14	KUDGI	8.93	0.21	9.82	5.34	13.25	7.12	22.3	9.54	29.79	10.46	19.81	6.62
15	LARA	5.66	5.62	13.52	13.38	32.31	32	36.04	35.11	31.71	29.02	20.19	19.98
16	MOUDA	23.3	14.34	17.06	10.15	34.06	19.44	34.05	11.45	39.24	16.33	23.14	7.64
17	NPGC NABINAGAR	6.44	3.13	10.43	5.04	16.84	8.27	26.07	14.5	29.92	19.61	24.19	18.2
18	NSPCL DURGAPUR	2.25	0.00	2.01	0.09	2.77	2.5	3.22	1.72	3.11	1.76	2.09	1.2

19	RAMAGUNDAM	38.16	22.46	38.57	4.17	39.38	27.74	43.25	28.31	45.49	29.82	28.5	22.15
20	RIHAND	39.01	38.01	39.22	31.06	37.09	33.49	40.38	36.17	42.23	38.69	27.77	25.32
21	SIMHADRI	26.28	18.85	24.5	13.57	35.77	20.69	34.91	26.34	31.1	19.92	21.09	16.11
22	SINGRAULI	32.06	31.96	29.84	29.79	30.34	30.24	30.09	28.96	30.33	30.33	24.1	24.1
23	SIPAT	49.05	41.55	52.47	47.39	51.98	47.54	48.4	44.98	53.53	42.71	40.92	28.46
24	SOLAPUR	1.53	0	7.58	0.15	11.36	3.65	13.38	1.71	16.14	3.94	11.33	4.13
25	TALCHER-KANIHA	70.09	68.8	68.45	66.96	69	62.29	64.85	55.07	68.7	53.27	46.58	26.53
26	TALCHER-Thermal*	11.84	11.84	11.89	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	TANDA	9.69	6.18	16.74	12.09	22.56	15.94	26.01	20.53	26.07	18.94	19.84	16.43
28	UNCHACHAR	21.65	12.46	19.77	11.48	20.85	11.73	20.19	11.04	20.93	11.84	17.84	10.64
29	VINDHYACHAL	88.57	85.24	87.14	79.88	82.37	75.68	76.64	68.48	66.82	57.2	43.84	38.31
30	BARAUNI TPS	0.73	0.71	3.3	2.7	6.01	2.94	10.77	4.93	9.84	4.53	7.03	2.93
31	BHILAI CAPTIVE	1.69	0.14	1.35	1	1.81	1.48	1.43	0.94	1.77	1.31	1.26	0.96
32	MEJA TPP	2.74	2.74	10.2	4.48	18.23	6.65	15.73	7.13	17.85	6.81	13.46	6.15
33	NSPCL ROURKELA	3.72	2.44	3.59	2.62	4.2	3.06	4.97	2.6	6.32	2.26	4.85	2.27
34	TELANGANA STPP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.81	6.81	17.67	16.16
35	VALLUR	17.33	9.13	12.77	6.46	24.47	13.27	29.46	19.63	18.29	10.84	17.44	11.75
36	NORTH KARANPUARA STP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.73	14.73	19.39	19.39
	Grand Total	674.27	533.65	703.69	500.57	831.88	636.61	889.12	654.29	954.70	686.69	697.87	505.65

Note: Total Ash Generation includes dry fly ash and pond ash;

\*Operation has been stopped from 31.03.2021

\*\*\*\*\*