

Status of Fly Ash Generation and Utilizations from Coal or Lignite Based Thermal Power Plant's in the State of MP

October 2015 To June 2016

S.No	Name of Thermal power plant	Power generation capacity (MW)	Coal consumption in MT	Fly ash generation in MT	Status of utilization of Fly ash as per fly ash notification.	
					% utilization required as per notification 2009	% utilization by the industry
1	NTPC Ltd. Vindhya Super Thermal power Pro. Vindhya nagar. Singrauli	4760 (MW)	43797754	15888668	100%	20%
2	Sasan Power Ltd Vill Siddhikhurd Singrauli	3960	13245500	9943132	70 %	18%
3	Sanjay Gandhi Thermal Power Station, Brisingshpur, Distt. Umaria	4X210+500 (1340MW)	3017920	1101868	100%	75%
4	Satpura Thermal Power Plant, MPPGCL, Sarni, Betul	1330	3220830	1370329.47	100%	42%
5	JP Power Ventures Ltd Nigri Singrauli	660 x2 (1320 MW)	3274142.60	1083892.69	70 %	97%
6	Shri Singaji Thermal Power Project, MPGCL Dogaliya, Dist. khandwa	2 x 600 (1200MW)	1937009.64	810887.86	70 %	22.076%
7	M.B.PowerLtd., Laharpur, Distt Anuppur	600X2 (1200MW)	2481068	992427	70%	33%
8	Jhabua Power Limited Village Barala Tah. Ghnshour Distt. Seoni	1X600 (MW)	98014.5	39206	100%	100%
9	Essar Power MP Ltd Singrauli.	600	325900	109376	100%	65%
10	J.P. Bina Thermal Power Plant, Bina, Sagar	2 X 250 (500MW)	681480	2561130	100%	83.25%
11	Amarkantak Thermal Power Station, Chachai Distt. Anuppur	450 (At present 210 MW)	816016	313413	100%	84%
12	B.L.A. Power Ltd., Village Niwari, Gadarwara Distt. Narsingpur	45x2 (90MW)	67069	26950	100%	100%
13	OPM Amlai, Shahdol, CPP	25+30 (55MW)	160500	56800	100%	100%

14	Mahan Aluminum co. Hindalco Industries Ltd Bargawan Singrauli, CPP	900	2655700	972172	90%	70%
15	HEG Ltd., CPP (Unit-I, Mandideep, Raisen	30	9900	4780.06	100%	100%
	HEG Ltd., (Unit-II, Mandideep, Raisen, CPP	32	96551.6	32904.72	100%	100%
16	Vardhman Yarns, (Power Division), Satlapur, Mandideep, Raisen , CPP	30	124546.5	52236.61	100%	100%
17	Birla Corporation, Satna, CPP	27 (MW)	115808	55769	100%	100%
18	KJS Cement Ltd., Satna, CPP	27 (MW)	113913	51680	100%	100%
19	Grasim Ind. Ltd., Birlagram, Nagda, Ujjain, CPP	25 +30+40 (95MW)	357000	106000	100 %	100%
20	J.P Sidhi Cement Plant (CPP I) Sidhi	35	79455	33733	100 %	100%
	J.P. Sidhi Cement (CPPII) Sidhi	2x60 (120MW)	Plant installed in Oct.12 but not in operation	Plant installed in Oct.12 but not in operation	-	-
21	J.P. Bela Cement Plant (CPP II) Rewa	25 (MW)	85684	39814	100 %	100%
22	J.P. Rewa Cement Plant (CPPI) Rewa	25 (MW)	67791	29372	100 %	100%
	J.P. Rewa Cement Plant (CPPIII) Rewa	38.5 (MW)	117713	52902	100 %	100%
23	ACC Ltd., Unit-1), Katni, CPP	25 (MW)	94245	36921	100%	100%
	ACC Ltd., (Unit-2) Katni, CPP	25 (MW)	104751	41037	100%	100%
24	Bharat Oman Refinery Limited Sagar CPP	99 (MW)	260035	13000	100%	54%
25	Trident Ltd. CPP	33 (MW)			100%	100%

Air Pollution Control arrangements in major Coal or Lignite Based Thermal Power Plant's in the State of Madhya Pradesh

S. No	Name of Thermal power plant	Power generation capacity (MWh)	Stack Height (m)	Main Control Equipment at Point Source	OTHER DUST CONTROL MEASURES To Control Fugitive Emissions
1.	NTPC Ltd. Vindhyachal Super Thermal power Pro. Vindhya nagar. Singrauli	Stage I: 6x210 Stage II: 2x500 Stage III:2x500 Stage IV:2x500 Stage V: 1x500 TOTAL: 4760	220x2 (TriFlue) 220x1 (Bi Flue) 275x1 (Bi Flue) 275x1 (Bi Flue) 275x1	6 ESPs 2 ESPs 2 ESPs 2 ESPs 1 ESP+ One Flue gas De-sulphurisation (FGD) plant recently commissioned TOTAL 13 ESPs + 1FGD	Dust Extraction , dust suppression and Dust collection systems in the dust prone areas such as Coal Handling Plants(CHP), Ash Silos comprising of Bag filters, Water Sprinkler system etc.
2.	Sasan Power Ltd VillSiddhikhurd Singrauli	6x 660 MW Total: 3960	275x2 (Tri Flue)	6 ESPs	As above
3.	JP Power Ventures Ltd Nigri Singrauli	660 x2 Total:1320	275x1	2 ESPs	As above
4.	Essar Power MP Ltd Singrauli.	2 x 600 Total:1200	275x1(Bi Flue)	2 ESPs	As above
5.	Sanjay Gandhi Thermal Power Station, MPPGCL, Brisinghpur, Distt. Umaria	Stage 1: 2x210 Stage 2: 2x210 Stage 3: 1x500 TOTAL: 1340	200x1(Bi Flue) 220x1(Bi Flue) 275x1	2 ESPs 2 ESPs 1 ESP TOTAL 05 ESPs	As Above and water spray system at wagon tippler to suppress coal dust dispersion during coal unloading.
6.	Amarkantak Thermal Power Station, Chachai, Distt. Anuppur	210x1	220	ESP	As Above and water spray system at track hopper to suppress coal dust dispersion during coal unloading.
7.	Satpura Thermal Power Station, Sarni, Betul (Unit 10,11- 18903)	Unit 6: 200 Unit 7: 210 Unit 8: 210 Unit 9: 210 Unit 10: 250 } Unit 11: 250 }	160 160 160 160 275x1 (Bi Flue)	ESP ESP ESP ESP ESP ESP	As above and water spray system at wagon tipplers to suppress coal dust dispersion during coal unloading. Ammonia flue gas conditioning system installed in Units 6 to 9

		TOTAL:1330		TOTAL 06 ESPs	
8.	Shri Singaji Thermal Power Project, Dongaliya, Dist. Khandwa	Stage I: 2 x 600 Stage II: 2x660 (proposed) TOTAL:1200	275X2	2 ESPs	As above and water spray system at wagon tippler to suppress coal dust dispersion during coal unloading
9.	M.B.PowerLtd., Jaithari, Distt. Anuppur	2 x 600 TOTAL:1200	275x1 (Bi Flue)	2 ESPs	As above
10.	Jhabua Power Limited Village Barela, Teh. Ghansore, Distt. Seoni	1X600	275	ESP	As above
11.	Jai Prakash Power Ventures Ltd. (Unit: J.P. Bina Thermal Power Plant) Sirchopi, Teh. Bina, Distt. Sagar	2 X 250 TOTAL:500	220x1(Bi Flue)	2 ESPs	As above
12.	BLA Power Ltd, Gadarwara, Narsingpur	2x45 TOTAL:90	120x1 (Bi Flue)	2 ESPs	Dust Extraction, dust suppression and Dust collection systems in the dust prone areas such as Coal Handling Plants (CHP), Ash Silos comprising of Bag filters, Water Sprinkler system etc. Lime bed in CFBC boilers for the conversion of Sulphur di Oxide into Gypsum, when pet coke is used as fuel.
13.	Hindalco Industries Ltd-Mahan Aluminum Project, Bargawan, Distt. Singrauli (Captive Power Plant)	6x150 TOTAL: 900	125X6	6 ESPs	Dust Extraction, dust suppression and Dust collection systems in the dust prone areas such as Coal Handling Plants(CHP), Ash Silos comprising of Bag filters, Water Sprinkler system etc. and water spray system at wagon tippler to suppress coal dust dispersion during coal unloading