

Central Electricity Authority
 TPP&D Division
 Sewa Bhawan, R.K. Puram,
 New Delhi -66

Norms for coal consumption in TPPs issued on 25.01.2017.

Annual coal consumption at 85% PLF (Tonnes per MW per Annum)

Grade	GCV considered (kcal/kg)	Sub Critical Technology				Super-critical units \$
		50 MW to less than 100 MW	100 MW to less than 200 MW	200 MW to less than 250 MW *	250 MW and above \$	
Unit Heat Rate (kcal/kWh)						
		2770	2615	2500	2375	2250
Annual coal consumption at 85% PLF (Tonnes per MW per Annum)						
G4	6100	3381	3192	3052	2899	2746
G5	5800	3556	3357	3209	3049	2889
G6	5500	3750	3540	3385	3215	3046
G7	5200	3966	3744	3580	3401	3222
G8	4900	4209	3974	3799	3609	3419
G9	4600	4484	4233	4047	3844	3642
G10	4300	4797	4528	4329	4113	3896
G11	4000	5156	4868	4654	4421	4188
G12	3700	5574	5263	5031	4780	4528
G13	3400	6066	5727	5475	5201	4928
G14	3100	6653	6281	6005	5705	5404
G15	2800	7366	6954	6648	6316	5983

Note: In case of power projects where approved heat rate by Regulator is higher than above considered value, the Heat Rate approved by Regulator would be considered for the purpose of working out normative coal consumption requirement.

* In case of main steam pressure is 150 ata or above the Unit Heat Rate shall be reduced by 100 kcal/kWh

\$ In case of units having Motor Driven Boiler Feed Pump (MDBFP) of 500 MW and above size units including Super Critical units the unit heat rate shall be reduced by 50 kcal/kWh.

Following formula may be used for conversion of coal consumption to MTPA per 1000 MW:

$$\text{MTPA per 1000 MW} = \text{Tonnes per MW per Annum} / 1000.$$

These norms will be applicable for Captive Power Plants (CPP) also.

This issues with approval of competent authority.

Sd/-
 (N.S. Mondal)
 Director.