

### Tables for eleven generator system for different loads:

Table-5.2.8. for 1000 MW load

$h_i$	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11	Fuel cost (\$/h)	emission (kg/h)
2.8016	138.8608	77.97351	38.72425	73.40403	53.29706	74.60617	54.80938	133.8801	119.954	116.9621	117.5286	8549.2	154.6
2.5	134.3436	75.53586	38.47662	74.27529	53.66436	75.59204	55.33999	135.2304	121.097	118.0236	118.4211	8538.6	158.6
2.1	127.1998	71.64789	37.98479	75.70309	54.22458	77.20964	56.17695	137.3952	122.9209	119.7059	119.8313	8522.6	165.6
1.7	118.2963	66.74961	37.19885	77.57302	54.87834	79.33647	57.22719	140.142	125.2493	121.7839	121.5649	8504.0	175.4
1.5	112.9661	63.79739	36.63327	78.74922	55.24006	80.67629	57.84876	141.8135	126.669	122.9967	122.6097	8493.7	181.9
1.2	103.5101	58.50439	35.43888	80.96119	55.81702	83.20833	58.94638	144.833	129.2328	125.1637	124.3843	8476.7	194.6
1.1	99.88082	56.45681	34.91194	81.85839	56.01326	84.23718	59.36284	146.0163	130.2362	125.9713	125.055	8470.7	199.8
1.05	97.95866	55.3688	34.61687	82.34416	56.11392	84.79341	59.5851	146.6441	130.7658	126.4007	125.4085	8467.6	202.7
1.01	96.37228	54.47099	34.37754	82.76447	56.17142	85.26264	59.75744	147.1684	131.2123	126.7146	125.728	8465.1	205.1

Table-5.2.9. for 1250 MW load

$h_i$	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11	Fuel cost(\$/h)	emission (kg/h)
2.989	160.604	96.80775	60.67143	90.69658	69.24624	91.54138	70.40095	166.3401	147.7527	150.0716	145.8672	9203.5	266.8
2.5	152.7445	92.26394	59.67633	92.2967	70.05454	93.25996	71.40448	168.7421	149.8096	152.1271	147.6208	9181.4	274.9
2.2	146.9036	88.86212	58.84189	93.52986	70.64437	94.58226	72.15244	170.5448	151.3583	153.6542	148.9262	9165.7	281.5
1.9	140.0397	84.8297	57.75866	95.02851	71.32679	96.18936	73.03779	172.6806	153.1968	155.4473	150.4648	9148.2	290.1
1.7	134.7551	81.71559	56.84384	96.2238	71.8366	97.47027	73.71354	174.3391	154.6275	156.8223	151.6523	9135.4	297.3
1.5	128.7726	78.16595	55.72147	97.62456	72.40373	98.97037	74.47946	176.2326	156.2631	158.3733	152.9929	9121.6	305.9
1.1	114.0674	69.35566	52.548	101.3225	73.71536	102.9264	76.35268	180.9539	160.3675	162.1421	156.2485	9090.7	329.9
1	109.6496	66.68646	51.4804	102.5192	74.07843	104.1978	76.91474	182.3836	161.6182	163.2611	157.2106	9082.3	337.9
0.98	108.7266	66.12646	51.24407	102.7733	74.154	104.4727	77.03231	182.6859	161.8806	163.4975	157.4066	9080.6	339.6

Table-5.2.10. for 1500 MW load

$h_i$	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11	Fuel cost(\$/h)	Emission (kg/h)
2.989	179.8454	114.2971	82.50372	108.4611	85.40316	109.0101	86.28624	199.549	176.1781	183.7708	174.6953	9879.1	436.7
2.5	171.1452	108.9909	80.87962	110.3196	86.44207	110.9281	87.47073	202.2562	178.5269	186.2219	176.8188	9850.6	447.1
2.1	62.28252	103.5381	79.04439	112.2901	87.49884	112.9562	88.68311	205.0387	180.9467	188.7259	178.9955	9823.2	459.1
1.7	151.2137	96.67707	76.49012	114.8734	88.79997	115.604	90.20358	208.5427	184.0122	191.8552	181.728	9791.2	476.0
1.4	140.9163	90.24254	73.83677	117.4211	89.99082	118.2036	91.615	211.8286	186.9023	194.7642	184.2789	9763.8	493.8
1.2	132.7862	85.12317	71.54079	119.5509	90.91251	120.3643	92.72678	214.438	189.202	197.0539	186.3014	9743.8	509.3
1.1	128.2515	82.25354	70.18471	120.7922	91.41466	121.6133	93.34691	215.8988	190.5052	198.3215	187.4177	9733.2	518.5
1	123.3727	79.14718	68.64643	122.1699	91.95274	123.0063	94.00918	217.4808	191.907	199.67	188.6378	9722.4	528.8
0.985	122.6045	78.65837	68.40781	122.398	92.02562	123.2276	94.1087	217.7216	192.1284	199.898	188.8214	9720.7	530.5
0.98	122.3451	78.49384	68.32001	122.4708	92.05869	123.304	94.14728	217.816	192.2076	199.9521	188.8846	9720.1	531.0
0.975	122.0873	78.32893	68.2403	122.5483	92.08211	123.3796	94.17982	217.9063	192.2824	200.014	188.951	9719.6	531.6
0.97	121.827	78.16274	68.14489	122.6174	92.12035	123.4572	94.21971	217.977	192.3509	200.1035	189.0192	9719.0	532.2
0.95	120.7763	77.49289	67.8083	122.9296	92.22751	123.7635	94.36028	218.3257	192.6618	200.3815	189.2727	9716.8	534.5
0.9	119.1675	76.46483	67.26753	123.3978	92.40809	124.2404	94.58441	218.8348	193.1217	200.8392	189.6738	9713.4	538.1

Table-5.2.11. for 1750 MW load

$h_i$	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11	Fuel cost(\$/h)	emission (kg/h)
3.0092	199.4319	132.0102	104.412	126.1532	101.5121	126.4038	102.123	232.6449	204.5098	217.3637	203.4354	10584	662
2.5	189.5432	125.7173	102.0819	128.3438	102.8311	128.5983	103.5366	235.7721	207.2441	220.3149	206.0167	10546	675
2.1	179.822	119.488	99.58075	130.583	104.1213	130.8275	104.9395	238.8534	209.949	223.2517	208.5838	10512	690
1.8	170.9868	113.7867	97.10563	132.707	105.3159	132.9315	106.2134	241.6855	212.4509	225.8947	210.9218	10482	706
1.6	164.1475	109.3548	95.06821	134.4104	106.2305	134.6115	107.1996	243.877	214.3938	227.9594	212.7473	10460	719
1.3	152.0546	101.4681	91.17984	137.5756	107.8445	137.7087	108.9483	247.7566	217.858	231.6115	215.9942	10424	743
1	137.0695	91.60021	85.8151	141.8254	109.8314	141.8196	111.1126	252.5831	222.1937	236.0899	220.0594	10384	779
0.97	135.371	90.47488	85.16571	142.3301	110.0562	142.3085	111.3578	253.1165	222.692	236.6114	220.5159	10380	783
0.95	134.212	89.70817	84.72037	142.6775	110.2109	142.6449	111.524	253.4878	223.0299	236.9546	220.8301	10377	786
0.9	131.2169	87.72961	83.58656	143.6185	110.5766	143.5104	111.9449	254.4399	223.9082	237.8442	221.6241	10370	794
0.87	129.3685	86.50215	82.85668	144.1979	110.8143	144.0601	112.2081	255.0318	224.4488	238.3866	222.1252	10366	798
0.83	126.8275	84.81342	81.83915	145.0082	111.1392	144.8256	112.5686	255.8409	225.1921	239.1332	222.8121	10360	805
0.82	126.1782	84.38149	81.5767	145.218	111.222	145.0236	112.6598	256.0525	225.3833	239.3183	222.986	10359	807

Table-5.2.12. for 2000 MW load

$h_i$	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11	Fuel cost(\$/h)	emission (kg/h)
3.39	225.2901	153.84	127.9699	142.4495	116.7137	142.4325	117.0269	263.7445	231.0781	249.0027	230.4522	11343	934
3.2	222.1381	151.7773	127.1645	143.1446	117.1668	143.1159	117.4932	264.7487	231.9591	249.9789	231.3128	11329	938
2.8	214.592	146.827	125.152	144.838	118.2561	144.7755	118.6123	267.1561	234.0818	252.3312	233.3778	11296	949
2.4	205.505	140.8313	122.5701	146.9358	119.5795	146.8208	119.9676	270.069	236.6507	255.1826	235.8877	11258	964
1.8	187.7406	129.0169	116.9952	151.2608	122.1857	150.9956	122.638	275.7801	241.7304	260.8011	240.8554	11189	997
1.3	167.1104	115.157	109.6073	156.7168	125.253	156.183	125.7509	282.4325	247.7104	267.3412	246.7375	11118	1044
0.9	144.3826	99.69944	100.2487	163.4899	128.6459	162.4523	129.1637	289.691	254.3695	274.5456	253.3113	11051	1106
0.85	140.9897	97.37663	98.73835	164.5866	129.1523	163.4504	129.6688	290.7565	255.365	275.6146	254.301	11042	1116
0.82	138.8872	95.93244	97.78224	165.2813	129.4664	164.0801	129.9811	291.4237	255.9831	276.2695	254.9129	11036	1123
0.8	137.4521	94.94734	97.12623	165.7607	129.68	164.513	130.1937	291.8714	256.4026	276.7191	255.3338	11033	1127
0.79	136.7249	94.4479	96.79155	166.0064	129.7878	164.734	130.3006	292.099	256.6149	276.9451	255.5478	11031	1129
0.77	135.2514	93.43516	96.10868	166.5069	130.0075	165.184	130.5181	292.5528	257.0455	277.4091	255.9808	11027	1134
0.765	134.8787	93.17895	95.93524	166.6341	130.0631	165.2984	130.5729	292.6712	257.1555	277.5235	256.0883	11026	1135
0.755	134.1285	92.66308	95.58551	166.8914	130.175	165.5296	130.6829	292.9103	257.3779	277.7522	256.3037	11021	1135

Table-5.2.13. for 2250 MW load

$h_i$	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11	Fuel cost(\$/h)	emission (kg/h)
3.39	245.0904	171.8409	150.2034	160.0504	132.7165	159.7722	132.7936	296.7482	259.3136	282.4321	259.0388	12108	1269
3	237.7902	166.9197	148.062	161.7099	133.8348	161.3675	133.914	299.1017	261.3907	284.7911	261.1186	12072	1280
2.5	226.3485	159.1735	144.4831	164.3868	135.6137	163.9336	135.6683	302.7991	264.6739	288.5142	264.4053	12017	1300
2	211.6367	149.1505	139.4798	167.9854	137.9203	167.3532	137.9471	307.5877	268.9167	293.314	268.7087	11952	1329
1.5	191.9977	135.6486	132.0745	173.1219	141.0633	172.1434	141.0092	313.9369	274.6696	299.8176	274.5173	11872	1376
1	164.4598	116.5059	120.1587	181.1327	145.5878	179.4491	145.3105	322.7645	282.7838	308.9656	282.8815	11775	1455
0.98	163.125	115.5717	119.5342	181.5521	145.8133	179.8191	145.5209	323.1938	283.1748	309.3998	283.2952	11770	1459
0.9	157.5469	111.6689	116.9115	183.3615	146.7149	181.3941	146.3829	324.9398	284.8309	311.2517	284.9969	11753	1477
0.7	141.8234	100.5974	109.0157	188.7788	149.3508	186.1047	148.7941	329.7961	289.4442	316.4106	289.8842	11709	1533
0.69	40.96012	99.98769	108.5646	189.094	149.4965	186.374	148.9247	330.0551	289.6968	316.6919	290.1545	11707	1536

Table-5.2.14. for 2500 MW load

$h_i$	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11	Fuel cost(\$/h)	emission (kg/h)
3.896	250	197.5657	177.3609	177.4952	148.979	177.0241	148.8265	330.3308	287.9567	316.4269	288.034	12880	1667
3.2	250	188.1825	172.3467	179.3547	150.0968	178.7587	149.9054	332.5545	289.9814	318.7179	290.1015	12848	1676
2.7	250	179.5612	167.5307	181.14	151.1387	180.4105	150.9018	334.5962	291.856	320.8391	292.026	12819	1686
2.3	238.9231	171.8396	163.5815	183.8451	152.9629	182.943	152.6629	338.2228	295.094	324.5715	295.3536	12763	1708
1.5	207.8051	150.0196	151.1565	192	158.228	190.4359	157.6455	348.3676	304.2697	335.1752	304.897	12619	1786
1	178.1475	128.9588	137.3534	200.8118	163.4424	198.2456	162.4109	357.8593	313.0899	345.4002	314.2804	12503	1881
0.8	162.6192	117.8288	129.3027	205.9942	166.2627	202.6849	164.8885	362.6876	317.6781	350.7377	319.3156	12451	1939
0.7	53.76975	111.4586	124.4574	209.1761	167.8979	205.3469	166.2848	365.3569	320.272	353.7604	322.2194	12424	1975
0.65	149.0324	108.0364	121.7785	210.9588	168.7847	206.8181	167.0292	366.7518	321.6507	355.3739	323.7857	12411	1995
0.64	148.0571	107.3315	121.2206	211.3331	168.9678	207.1255	167.1808	367.0406	321.9356	355.7036	324.1039	12408	1999
0.638	147.8609	107.1897	121.1083	211.4092	169.0047	207.1876	167.211	367.1049	321.99	355.7657	324.1679	12407	2000
0.635	147.5659	106.9765	120.9388	211.5236	169.0596	207.2804	167.2576	367.1877	322.0772	355.8675	324.2652	12406	2001