

Plant Wise Generation (FY 2020-21)

Sl. No.	Name of power plant	Type of Fuel	Generation Capacity Installed (MW)	Net Energy Generation (GWh)	Annual Plant factor (%)
PUBLIC					
DHAKA ZONE					
1	a) Ghorasal TPP (Unit 1 & 2)	Gas	0	30.1564	5.8%
	b) Ghorasal Repowered CCPP Unit-3	Gas	260	47.1487	2.3%
	c) Ghorasal Repowered CCPP Unit-4	Gas	210	280.5226	19.7%
	d) Ghorasal TPP Unit-5	Gas	210	963.6894	62.0%
	e) Ghorasal TPP Unit-6	Gas	0	-2.2060	-
2	Ghorasal 365 MW CCPP Unit-7	Gas	365	1315.1245	43.4%
3	Tongi 80 MW GTPP	Gas	105	-0.2004	-
4	Haripur GTPP	Gas	32	-0.4225	-
5	210 MW Shiddhirganj TPP	Gas	210	-1.2870	-
6	Siddhirganj 2x120 MW GTPP	Gas	210	563.9633	31.8%
7	Haripur 412 MW CCPP	Gas	412	1817.5804	52.7%
8	Gazipur 52 MW PP	F.Oil	52	112.6812	25.5%
9	Kodda 150 MW PP	F.Oil	149	387.4975	30.8%
10	Siddhirganj 335 MW CCPP	Gas	335	1042.3959	37.3%
11	Gazipur 100 MW PP	F.Oil	105	370.9008	41.0%
CHATTOGRAM ZONE					
12	Karnafuli Hydro	Hydro	230	654.9908	32.6%
13	Rauzan 210 MW /ST (1st)	Gas	210	403.4491	29.7%
	Rauzan 210 MW /ST (2nd)	Gas	210	0.0000	-
14	Shikalbaha 150 MW Peaking PP	Gas	-	641.9223	50.5%
		Gas	150	0.1614	-
15	Hathazari 100 MW Peaking PP	F.Oil	98	-0.8567	0.1%
16	Sangu, Dohazari-kaliaish 100 MW PPP	F.Oil	102	203.2578	23.4%
17	RPCL Raozan 25 MW	F.Oil	25	68.4048	32.1%
18	Shikalbaha 225 MW PS	Gas	225	1014.6721	53.6%
		HSD		0.4031	-
19	Sonagazi 1 MW Wind PP	Wind	0	0.0230	-
20	Kutubdia 900KW Wind PP	Wind	0	0.6083	-
21	Kaptai Solar	Solar	7	9.7123	15.9%
CUMILLA ZONE					
22	a) Ashuganj TPP Unit-3	Gas	150	222.9391	20.9%
	b) Ashuganj TPP Unit-4	Gas	150	279.6746	26.1%
	c) Ashuganj TPP Unit-5	Gas	150	215.2755	20.2%
23	Ashuganj 50 MW PP	Gas	53	184.7955	48.3%
24	Ashuganj 225 MW CCPP	Gas	221	1574.3307	82.8%
25	Ashuganj 450 MW CCPP (South)	Gas	360	1955.5730	64.6%
26	Ashuganj 450 MW CCPP (North)	Gas	360	2088.9237	69.4%
27	Chandpur 150 MW CCPP	Gas	163	596.5169	44.1%
28	Titas 50 MW Peaking PP	F.Oil	52	45.1598	10.4%
SYLHET ZONE					
29	Shahjibazar 70 MW GT, Habiganj	Gas	70	361.4274	62.8%
30	Shahjibazar 330 MW CCPP	Gas	330	1505.2982	54.6%
31	Fenchuganj C.C. (Unit #1)	Gas	97	396.7305	66.2%
32	Fenchuganj C.C. (Unit #2)	Gas	104	240.2846	34.0%
33	Sylhet 1x20 MW /GT	Gas	20	111.0293	63.7%
34	Sylhet 225 MW CCPP	Gas	231	1075.5239	54.8%
35	Bibiana III 400 MW CCPP	Gas	400	1839.7120	54.9%
36	Shahazibazar 100 MW GT	Gas	100	39.4552	5.2%
37	Bibiyana - South 383 MW CCPP	Gas	383	1351.3021	40.6%
KHULNA ZONE					
38	Khulna 225 MW (NWPGL)	HSD	230	279.0524	14.4%
39	Bheramara GT unit-3	HSD	20	-0.1532	0.0%
40	Bheramara 360 MW CCPP (NWPGL)	Gas	410	2706.8683	78.9%
41	Faridpur 50 MW Peaking PP	F.Oil	54	15.5429	3.7%
42	Gopalganj 100 MW Peaking PP	F.Oil	109	4.1326	0.7%
43	Modhumoti 105 MW NWPGL	F.Oil	105	12.4258	1.5%

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BARISHAL ZONE					
44	Bhola 225 MW CCPP	Gas	194	315.2895	20.1%
RAJSHAHI ZONE					
45	Baghabari 71 MW /GT	Gas	71	57.6144	18.0%
	Baghabari 100 MW /GT	Gas	100	52.5356	
46	Sirajgonj 210 MW CC (NWPGL) Unit-1	Gas	210	216.5913	12.2%
		HSD		0.0000	
47	Baghabari 50 MW Peaking RE	F.Oil	52	85.4892	19.1%
48	Bera 70 MW Peaking RE	F.Oil	71	31.2907	5.2%
49	Santahar 50 MW PP	F.Oil	50	42.8089	10.0%
50	Katakhali 50 MW PP	F.Oil	50	51.4384	12.0%
51	Chapainobabgonj Peaking Power Station 100 MW, Amnura	F.Oil	104	259.43144	29.1%
52	Sirajgonj 210 MW CC (NWPGL) Unit-2	Gas	220	1135.6566	61.6%
		HSD		0.0000	
53	Sirajgonj 210 MW CC (NWPGL) Unit-3	Gas	220	1447.0055	78.1%
		HSD		0.0000	
54	Sirajgonj 2 MW Wind Plant	Wind	-	0.0301	-
55	Sirajgonj 7.6 MW Solar Power Plant	Solar	6	3.9538	-
RANGPUR ZONE					
56	Barapukuria Coal based S/T (unit 1,2)	COAL	250	86.4905	7.8%
57	Barapukuria Coal based S/T (unit 3)	COAL	274	1098.3259	51.8%
58	Saidpur 20 MW /GT	HSD	20	2.0647	1.3%
59	Rangpur 20 MW /GT	HSD	20	1.4037	0.9%
	Total (Grid)		10,146	31,912	38.90%
	Isolated East	HSD	0	3.52	
	Isolated West	HSD	0	0.00	
	Total PUBLIC		10,146	31915.78	
JOINT VENTURE					
1	Payra, Potuakhali 2*660 MW PP (U-1)	COAL	622	2049.4159	39.7%
	Payra, Potuakhali 2*660 MW PP (U-2)		622	1762.5061	33.9%
	Total Joint Venture		1244	3,811.92	36.8%
PRIVATE					
A. IPP					
1	Midland Power Co. Ashuganj 51 MW	GAS	51	294.1240	66%
2	Rural Power Company Ltd.(RPCL)	GAS	210	1150.0912	63%
3	Haripur Power Ltd.	GAS	360	2315.3790	73%
4	Meghnaghat Power Ltd.	GAS	450	2275.4899	58%
5	Regent Energy & Power Ltd 108 MW	GAS	108	591.4501	63%
6	United Power Co. Ltd.200 MW Exp	GAS	195	145.6385	9%
7	Summit Bibiyana - II Power Co Ltd. 341 MW	GAS	341	2455.8871	82%
8	Kushara power Co. Ltd (163MW)CCPP Fenchuganj	GAS	163	1065.5715	75%
9	Sembcorp NWPGL	GAS	414	2945.2366	81%
10	Summit Meghnaghat Power Co.Ltd.	GAS	305	1559.0939	58%
11	Nutan Biddyt 220MW Bhola	GAS	220	266.9117	14%
12	Raj Lanka Power Gen.Com.Ltd.Nator 55 MW	F.Oil	52	146.3081	32%
13	Digital Power & Associates Gagnagar	F.Oil	102	325.5640	36%
14	Baraka Patenga	F.Oil	50	198.9216	45%
15	ECPV Chattogram Limited 108 MW	F.Oil	108	190.2545	20%
16	Lakdhanvi lanka- Bangla Jangalia Cumilla 52MW	F.Oil	52	158.5054	35%
17	Sinha Peoples Energy Ltd.Katpatti 52.5 MW Exp	F.Oil	51	21.3606	5%
18	Summit Barishal (110 MW)	F.Oil	110	218.6086	23%
19	Summit Narayangonj Power unit-2 Madangonj (55 MW)	F.Oil	55	259.5017	54%
20	Dhaka(Doreen) Northern Power Ltd.Manikgonj	F.Oil	55	231.8441	48%
21	Dhaka(Doreen) Southern Power Ltd.Nobabgonj	F.Oil	55	237.8964	49%
22	Powerpac Mutiara Jamalpur Power plant Ltd	F.Oil	95	289.7374	35%
23	CLC Power Co.Ltd. 108 MW Bosila Keranigonj	F.Oil	108	0.0000	0%
24	Kamalaghat Banco Energy Generation	F.Oil	54	309.3490	65%
25	Kodda Gazipur 300MW Power Ltd.(unit-2 Summit)	F.Oil	300	1280.2528	49%
26	United Mymensing Power(UMPL) 200MW Generation	F.Oil	200	1019.8212	58%
27	Kodda Gazipur 149MW Power Ltd.(unit-1 Summit) ACE Alliance	F.Oil	149	791.7500	61%
28	Lobonchora Orion Power Rupsha Ltd. 105 MW	F.Oil	105	361.1674	0.4%

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29	Desh Energy Chandpur 200 MW	F.Oil	200	535.4999	31%
30	Juldha Acorn 100 MW Unit-3	F.Oil	100	610.5613	70%
31	Ashugonj 150 MW (Midland East)	F.Oil	150	410.3474	31%
32	United Jamalpur PPL	F.Oil	115	538.4717	53%
33	Confidence CPBL- 2 Bogura	F.Oil	113	447.8107	45%
34	Baraka Shikalbaha 105MW PS	F.Oil	105	160.1848	17%
35	United Anwara 300MW PS	F.Oil	300	1195.9981	46%
36	Confidence Power Ltd. 113MW Rangpur	F.Oil	113	494.4000	50%
37	Jodiac Power	F.Oil	54	276.7625	59%
38	Karnaphuli Power Ltd.	F.Oil	110	87.2665	9%
39	Feni Lanka Power 114 MW PP	F.Oil	114	193.2808	19%
40	Bogura 113 MW PP (Confidence) Unit-1	F.Oil	113	468.1931	47%
41	HF 113 MW Power Limited	F.Oil	113	551.0603	56%
42	Julda 100 MW Unit - 2 (Acorn)	F.Oil	100	687.7112	79%
43	Manikganj 162MW PPower Generation	F.Oil	162	373.1234	26%
44	Orion Power Sonargaon Ltd.	F.Oil	104	451.8127	50%
45	Anlima Chattogram 116 MW	F.Oil	116	125.1359	12%
46	Tangail Polly Power 22 MW TPPGCI	F.Oil	22	74.9804	39%
47	Bhairab Power 54.5 MW	F.Oil	54	70.3824	15%
48	United Payra PP Patuakhali Imp	F.Oil	150	33.4596	3%
49	APR Energy 300MW	HSD	300	71.9614	3%
50	Daudkandi 200MW(Bangla Trac)	HSD	200	40.5404	2%
51	Noapara 100MW (Bangla Trac)	HSD	100	122.2197	14%
52	Aggreko, Aourahati 100MW	HSD	100	37.1663	4%
53	Aggreko, Brahmangaon 100MW	HSD	100	28.8673	3%
54	Paramount Baghabari BanglaTrack	HSD	200	22.1198	1%
55	Sharishabari 3 MW Engreen Solar Power Plant	Solar	3	3.9442	15%
56	20 MW Solar Teknaf	Solar	20	33.4382	19%
57	Sympa Solar Power 8 MW	Solar	8	11.2690	16%
58	50 MW HDFC Solar Power Plant	Solar	50	64.8588	15%
59	Manikganj 35MW Spectra Solar Park Ltd.	Solar	35	29.1477	10%
-	Sailo Solar Power Plant Shantahar	Solar	-	0.1646	-
-	Shailla 400 KW Solar	Solar	-	1.0031	-
Sub-Total IPP			8042	29358.86	42%
B. RENTAL & SIPP					
1	Bogura RPP (24MW) 15 yrs	GAS	22	167.4902	87%
2	Bogura 20 RPP (3 Yrs) Energy Prima	GAS	20	30.3411	17%
-	Ghorashal 78 MW QRPP (3 Yrs Max Power)	GAS	-	102.4493	35%
3	Tangail SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	141.1988	73%
4	Feni SIPP (22 MW) (Doreen Power Ltd.)	GAS	22	160.0048	83%
5	Jangalia 33 MW (Summit Purbanchol Po. Co. Ltd.)	GAS	33	258.2576	89%
6	Ashugonj 55 MW 3Yrs Rental (Precision Energy)	GAS	55	208.8067	43%
7	Sahzibazar 86 MW RPP (15 yrs)	GAS	86	605.4847	80%
8	Kumargao 10 MW Desh Combridge (15 Yrs)	GAS	10	61.4628	70%
9	Fenchugonj 51 MW Rental (15 Yrs) (Barakatullah)	GAS	51	353.0717	79%
-	Fenchugonj 50 MW Rental (Energy Prima)	GAS	-	219.7947	86%
10	Barabkundu SIPP 22 MW (Regent Power)	GAS	22	157.7652	82%
-	Malancha, EPZ, Ctg	GAS	-	202.7794	0%
11	Bhola 32 MW (Venture Energy Resources Ltd.)	GAS	33	199.5380	69%
-	Shahjahanullah Power Gen Co. Ltd.	GAS	-	102.6552	47%
12	Aggreko 95 MW Bhola	GAS	95	511.5654	61%
13	KPCL(115 MW) U-2	F.oil	115	433.6464	43%
-	Khanjahan Ali Noapara 40 MW	F.oil	-	92.2828	29%
14	Summit Power Co. Ltd Madangonj (100 MW)	F.oil	102	353.3363	40%
15	IEL, Meghnaghat 100 MW	F.oil	100	270.9907	31%
16	Shiddirganj Dutchbangla 100 MW	F.oil	100	366.3626	42%
17	Amnura 50MW Sinha Power	F.oil	50	34.3120	8%
18	Power Pac Mutiara, Keranigonj, 100MW	F.oil	100	217.8660	25%
19	Julda Acorn Infra.service Ltd. 100MW	F.oil	100	189.9422	22%
20	Katakhali (Northern) Peaking	F.oil	50	21.6708	5%
Sub-Total RENTAL& SIPP			1,188	5463.08	37%
C. IMPORT					
1	Power Import (Bheramara-Bharampur Phase-1)	Import	500	1730.7260	
2	Import from Tripura (1st Phase)	Import	100	1028.8180	
3	Import from Tripura (2nd Phase)	Import	60	1023.5395	
4	Power Import (Bheramara-Bharampur Phase-2)	Import	300	2539.0500	
5	Sembcorp Energy India Ltd.	Import	200	1781.2230	
Total Energy IMPORT			1,160	8,103.36	
SIPP (REB)			251	1769.5400	
GRAND TOTAL			22,031	80422.54	

COMPARISON OF ELECTRICITY PURCHASE FROM IPP AND SIPP WITH PREVIOUS YEAR

Particulars	FY 2020-2021			FY 2019-2020		
	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
RPC LTD. Mymensingh (210 MW)	1,150,056,632	3,840,313,302	3.34	1,289,580,768	4,400,973,182	3.41
Haripur Power Ltd.	2,315,379,010	3,878,445,190	1.68	2,585,723,830	4,082,364,590	1.58
Meghnaghat Power Ltd.	2,276,324,250	6,238,656,026	2.74	3,042,188,735	7,702,108,964	2.53
Doreen Power Generation & System Ltd.-Feni	160,004,772	459,479,489	2.87	141,279,396	415,324,790	2.94
Doreen Power Generation & System Ltd.-Tangail	151,198,828	432,331,158	2.86	143,404,572	418,599,224	2.92
Regent Power Ltd.	157,765,152	463,450,991	2.94	156,648,285	459,412,619	2.93
Summit Purbachal Power Ltd.-Jangalia	258,257,635	941,362,032	3.65	208,181,905	732,228,346	3.52
Summit Meghnaghat Power Ltd.	1,559,093,909	6,547,648,630	4.20	1,232,984,954	6,261,944,337	5.08
Midland Power Company Ltd.	294,124,026	930,353,155	3.16	267,912,697	875,684,572	3.27
Raj Lanka Power Limited	146,308,138	1,806,686,667	12.35	80,771,237	1,391,433,185	17.23
Baraka Patenga Power Limited	198,921,600	2,363,521,802	11.88	133,215,792	1,738,349,397	13.05
Digital Power & Associates Ltd.	325,564,002	3,736,039,993	11.48	228,469,691	2,686,001,914	11.76
Regent Energy & Power Ltd.	591,450,096	1,726,171,586	2.92	286,323,365	1,361,023,355	4.75
United Power Generation & Distribution	205,400,640	671,909,952	3.27	220,248,960	733,501,951	3.33
RPCL 52MW Gazipur	112,666,731	1,794,318,893	15.93	93,961,416	1,608,591,025	17.12
RPCL 25MW Rawjan	68,409,238	932,009,423	13.62	33,256,526	721,093,405	21.68
Lakdhanvi Bangla Power Ltd.	159,349,441	2,229,819,012	13.99	68,975,144	1,435,248,603	20.81
ECPV Power Ltd.	190,254,480	2,569,220,856	13.50	177,963,288	2,602,765,227	14.63
Sinha People Energy Ltd.	21,026,448	812,740,081	38.65	87,773,136	1,327,329,508	15.12
Aggreko Energy Solution Ltd - Bhola (95MW)	-	-	-	-	-	-
ACE Alliance Power Ltd. (149MW) (Summit Gazipur)	791,750,046	8,370,704,611	10.57	404,137,440	4,095,794,531	10.13
United Ashugang Energy Ltd.	145,638,508	3,206,663,461	22.02	342,066,540	3,482,085,887	10.18
Summit Bibiyana II Power Company Ltd.	2,455,887,148	6,030,061,928	2.46	2,533,405,256	6,195,036,994	2.45
Summit Barishal Power Ltd.	218,608,608	3,167,467,899	14.49	191,397,120	2,791,433,109	14.58
Summit Narayanganj Power Unit II Ltd.	259,501,715	2,969,690,929	11.44	96,817,909	1,397,885,741	14.44
Doreen Southern Power Limited	237,896,381	2,684,321,524	11.28	110,210,738	1,587,720,218	14.41
Doreen Northern Power Limited	231,844,112	2,641,124,870	11.39	151,070,207	1,867,971,877	12.36
Power Pac Motiara - Jamalpur	289,737,408	3,268,082,838	11.28	339,610,944	4,114,629,696	12.12
Shahjanullah Power Generation Co. Ltd.	102,686,146	354,266,198	3.45	133,358,044	460,363,566	3.45
CLC Power Company Ltd.	-	-	-	139,259,482	2,154,540,707	15.47
Engreen Solar	3,944,220	63,523,756	16.11	3,860,015	62,075,299	16.08
Kushiara Power Company Ltd.	1,065,571,452	3,184,203,020	2.99	1,148,090,686	3,328,431,877	2.90
M/S Banco Energy Generation Ltd.	309,349,044	3,548,402,788	11.47	209,990,340	2,517,495,961	11.99
Bangla Track Power Company Ltd.	39,585,792	4,185,097,685	105.72	5,992,320	3,631,805,621	606.08
Bangla Track Power Company Ltd. (Unit-2)	122,851,008	3,855,255,637	31.38	78,702,240	3,093,031,604	39.30

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	Unit kWh	Amount In Tk.	Cost/kWh	Unit kWh	Amount In Tk.	Cost/kWh
Aggreko Energy Solution Ltd. - Aorahati (100MW)	37,076,045	2,377,751,737	64.13	6,040,888	1,881,430,202	311.45
Aggreko Energy Solution Ltd. - Bhahmangoan (100MW)	28,478,637	2,164,581,074	76.01	4,676,090	1,844,846,730	394.53
APR Energy 300MW	72,053,121	6,405,636,446	88.90	3,448,215	5,446,696,116	1,579.57
United Mymensingh Power Ltd. (200MW)	1,019,821,200	11,669,327,634	11.44	507,801,840	6,075,281,810	11.96
Technaf Solartech Energy Ltd. (20MW)	33,438,191	394,598,682	11.80	36,027,726	423,055,479	11.74
Acron Infracture Service Ltd. (Unit-3)	610,561,267	6,065,069,101	9.93	329,174,995	3,710,075,142	11.27
Sembcorp NWPC Ltd. - Sirajgonj (282MW)	2,945,236,563	9,029,761,730	3.07	3,047,637,942	9,193,002,080	3.02
Paramount BTrac Energy Ltd. - Sirajgonj	21,514,556	3,887,016,999	180.67	3,756,087	3,546,541,105	944.21
Orion Power Rupsha Ltd. - Khulna (105MW)	361,167,408	4,586,519,321	12.70	186,785,520	3,018,423,032	16.16
Desh Energy Chandpur Power Company Ltd.	535,499,933	7,266,737,367	13.57	352,369,138	5,811,857,467	16.49
Midland East Power Company Ltd.	410,347,432	5,106,156,835	12.44	196,073,411	3,988,343,214	20.34
Baraka Shikalbaha Power Ltd. (105MW)	159,651,421	2,774,600,010	17.38	99,169,409	2,184,396,966	22.03
Confidence Power Ltd. - Rangpur	494,399,990	5,671,576,724	11.47	283,390,147	3,615,280,274	12.76
Confidence Power Ltd. (Unit-1)	468,193,056	5,469,183,763	11.68	199,459,584	2,189,153,968	10.98
Confidence Power Ltd. (Unit-2) - Bogra	447,810,720	5,606,954,875	12.52	223,190,976	3,596,109,041	16.11
United Jamalpur 200MW	538,471,740	6,669,811,635	12.39	435,503,268	5,345,969,591	12.28
Sympa Solar Power Limited	11,268,182	124,366,922	11.04	11,029,586	121,571,385	11.02
RPCL - Gazipur (105MW)	372,311,616	4,561,729,240	12.25	287,819,928	4,018,991,023	13.96
United - Anawara (300MW)	1,195,998,078	13,588,011,751	11.36	810,582,644	10,113,893,939	12.48
Zodiac Power Ctg. Ltd.	276,762,524	3,085,394,329	11.15	36,177,063	922,527,587	25.50
Karnaphuli Power Ltd.	85,058,900	2,177,111,311	25.60	40,597,792	1,563,611,789	38.51
Lanka Power Limited - Feni	193,243,406	2,993,516,085	15.49	34,679,849	1,082,818,157	31.22
HF Power Company Limited	551,060,311	5,951,666,116	10.80	115,725,246	1,559,483,281	13.48
Bangladsh -China Power Company (Pvt.) Ltd. 1320MW	3,811,921,991	32,764,848,584	8.60	831,938,472	5,215,734,878	6.27
Manikgonj Power Generations Limited (162MW)	344,555,626	4,667,375,064	13.55	-	-	-
HDFC SinPower Ltd. (50MW)	61,439,464	883,676,770	14.38	-	-	-
Anlima Energy Limited (116MW)	123,670,544	1,768,065,136	14.30	-	-	-
United Payra (150MW)	33,419,172	1,077,171,595	32.23	-	-	-
Spectra Solar Park	20,066,259	207,814,734	10.36	-	-	-
Tangail Palli Power Generation Ltd. (22MW)	71,669,647	890,544,548	12.43	-	-	-
Nutan Bidyut (Bangladesh) Ltd. (220MW)	160,931,128	284,039,503	1.76	-	-	-
Bhairab Power Limited (54.50MW)	70,305,840	877,217,319	12.48	-	-	-
Acron Infrastructure Services Ltd. Unit-2	687,711,168	7,359,103,192	10.70	186,554,976	1,003,595,519	5.38
Orion Power Sonargaon Ltd.	451,901,664	5,095,211,408	11.28	10,829,376	94,757,040	8.75
Summit Gazipur II Power Ltd. - Kodda (300MW)	1,280,252,848	13,968,072,079	10.91	365,298,295	5,888,119,002	16.12
TOTAL IPP & SIPP	34,603,676,263	277,373,564,998	8.02	25,012,571,440	175,189,846,701	7.00

COMPARISON OF ELECTRICITY PURCHASE FROM PUBLIC PLANTS WITH PREVIOUS YEAR

Particulars	FY 2020-2021			FY 2019-2020		
	Unit kWh	Amount in Tk.	Cost/kWh	Unit kWh	Amount in Tk.	Cost/kWh
APSCL (Except New 573 MW)	711,938,656	3,725,662,841	5.23	871,733,180	3,992,507,875	4.58
APSCL (New 50 MW)	184,795,542	439,275,908	2.38	244,146,276	533,228,573	2.18
APSCL (225 MW)	1,574,330,675	5,139,666,301	3.26	1,480,504,353	5,104,811,743	3.45
APSCL (450 MW) South	1,955,572,989	7,571,323,434	3.87	2,350,523,007	8,671,643,247	3.69
APSCL (450 MW) North	2,088,923,729	5,900,126,978	2.82	2,458,470,544	6,666,202,866	2.71
SBU HARIPUR	-	247,733,903	-	-	278,186,638	-
EGCB Ltd. (210X2) MW	563,946,120	2,694,566,404	4.78	278,915,352	2,263,261,009	8.11
EGCB Ltd. (412) MW	1,803,485,796	5,421,654,625	3.01	2,783,382,126	6,122,051,191	2.20
EGCB Ltd. (360) MW	1,039,616,357	3,656,399,175	3.52	926,684,819	3,260,352,289	3.52
North West Power Gen (NWPGL)- Sirajgonj	216,329,490	2,382,001,459	11.01	1,251,820,331	3,962,775,220	3.17
North West Power Gen (NWPGL)- Sirajgonj (Unit - 2)	1,135,656,573	4,351,973,695	3.83	659,693,652	4,066,747,219	6.16
North West Power Gen (NWPGL)- Sirajgonj (Unit - 3)	1,447,005,461	4,890,841,676	3.38	1,246,030,415	4,356,240,963	3.50
North West Power Gen (NWPGL)- Khulna	279,080,308	7,770,389,923	27.84	6,755,128	3,602,950,417	533.37
North West Power Gen (NWPGL)- Bheramara	2,706,234,738	7,636,097,844	2.82	2,315,525,576	6,376,468,917	2.75
North West Power Gen (NWPGL)- Madhumati	11,607,408	1,485,423,700	127.97	216,337,824	3,427,103,611	15.84
BPDB RPCL PowerGen Ltd.	387,788,703	5,857,190,239	15.10	175,337,452	4,032,187,505	23.00
Total Public Co. (Code No. 616)	16,106,312,544	69,170,328,105	4.29	17,265,860,037	66,716,719,282	3.86

COMPARISON OF ELECTRICITY PURCHASE FROM INDIA WITH PREVIOUS YEAR

Particulars	FY 2020-2021			FY 2019-2020		
	Unit kWh	Amount in Tk.	Cost/kWh	Unit kWh	Amount in Tk.	Cost/kWh
NVVN Ltd. - India 250 MW	1,753,307,564	5,479,226,567	3.13	1,720,991,506	5,519,165,342	3.21
NVVN Ltd. - India 160 MW (Tripura)	1,028,817,960	7,420,242,117	7.21	1,005,185,656	7,633,343,637	7.59
Power Grid Corporation of India - 250MW	-	993,616,464	-	-	714,415,237	-
Power Grid Corporation of India - 160MW	-	179,663,490	-	-	183,742,973	-
NVVN Ltd. - India 300 MW	2,539,050,000	14,200,174,815	5.59	1,700,740,025	10,912,458,117	6.42
PTC India Ltd. 200 MW	1,023,539,479	6,950,960,102	-	902,021,075	6,199,398,155	-
Sembcorp Energy India Ltd. 250MW	1,784,173,570	11,905,260,924	6.67	1,360,269,293	9,008,773,219	6.62
Total Import	8,128,888,573	47,129,144,480	5.80	6,689,207,555	40,171,296,679	6.01

COMPARISON OF ELECTRICITY PURCHASE FROM RENTAL & QUICK RENTAL PLANTS WITH PREVIOUS YEAR

Particulars	FY 2020-2021			FY 2019-2020		
	Unit Kwh	Amount in Tk.	Cost/kwh	Unit Kwh	Amount in Tk.	Cost/kwh
BARKATULLAH ELECTRO DYNAMICS LTD.	353,071,710	1,101,899,564	3.12	284,768,958	952,112,505	3.34
SHAHJIBAZAR POWER CO. LTD.	605,484,672	2,039,822,897	3.37	440,516,616	1,792,127,676	4.07
DESH CAMBRIDGE, KUMERGOAN	61,412,951	235,977,144	3.84	64,287,123	236,886,291	3.68
ENERGYPRIMA, KUMERGOAN	-	-	-	136,384,360	516,341,479	3.79
ENERGYPRIMA, SHAHJIBAZAR	-	-	-	115,908,741	441,313,171	3.81
ENERGYPRIMA, FENCHUGONJ	208,743,147	681,674,489	3.27	307,712,992	1,112,358,546	3.61
ENERGYPRIMA, BOGRA	27,878,796	96,666,127	3.47	78,662,952	283,738,154	3.61
VENTURE ENERGY, BHOLA	199,537,974	796,370,803	3.99	172,416,822	684,018,417	3.97
SUMMIT NARAYANGONJ POWER LTD.	353,336,328	3,436,136,533	9.72	223,216,584	2,658,477,107	11.91
MAX POWER LTD.-GHORASAL	102,449,279	811,772,815	7.92	151,850,141	1,561,450,593	10.28
KPCL -UNIT-2	433,646,409	4,998,784,772	11.53	280,086,325	3,907,312,120	13.95
KHANJAHAN ALI POWER LTD.	92,282,785	1,363,243,262	14.77	91,546,622	1,466,836,454	16.02
IELCONSOURTUM & ASSOCIATES	270,990,720	3,813,956,693	14.07	193,301,761	2,815,677,934	14.57
ENERGIS POWER CORPORATION LTD.	-	-	-	7,500,072	122,021,384	16.27
PRECISION ENERGY LTD.	208,806,744	1,091,909,673	5.23	218,732,592	1,106,804,428	5.06
DUTCH BANGLA POWER & ASSOCIATES LTD.	366,362,581	4,588,701,719	12.53	188,221,250	2,785,839,895	14.80
ACRON INFRASTRUCTURE SERVICE LTD.	189,942,210	3,132,864,948	16.49	90,292,560	2,246,199,780	24.88
AMNURA(SINHA POWER GENERATION)	16,256,328	108,212,126	6.66	109,202,080	1,412,855,301	-
POWER PAC MUTIARA KERANIGONJ	217,866,024	1,792,998,493	8.23	52,371,672	1,923,586,409	36.73
NORTHERN POWER	21,344,414	224,115,126	10.50	69,379,654	1,351,484,542	19.48
AGGREKO INTERNATIONAL LTD.-BHOLA (95 MW)	559,103,805	2,310,334,606	4.13	445,528,501	2,207,102,989	4.95
GBB POWER LTD.	167,490,216	656,939,574	-	133,166,952	579,797,403	-
TOTAL RENTAL & QUICK RENTAL	4,456,007,093	33,282,381,364	7.47	3,855,055,330	32,164,342,577	8.34



A virtual meeting on issuance of Bond and other issues Chaired by State Minister for Power, Energy and Mineral Resources Mr. Nasrul Hamid MP.

GENERATION COST (BPDB'S OWN POWER PLANT) FOR THE YEAR 2020-2021

Sl. No.	Generating Plant under Power Station	Capacity	Plant Factor	Net Generation (kWh)	Variable Cost				Fixed Cost		Total Generation Cost (Tk.)	Gen. Cost Tk/kWh
					Fuel Cost Tk	Fuel cost Tk/kWh	Variable O & M (Tk.)	Variable O & M Tk/kWh	Total Fixed Cost (Tk.)	Fixed Cost Tk/kWh		
1	2	3	4	5	6	7=(6/5)	8	9=8/5	10	11=10/5	12=6+8+10	13=12/5
1	Karnafuli Hydro Power Station	230.00	33%	654,990,772	-	-	335,988,850	0.51	1,628,688,650	2.49	1,964,677,501	3.00
	Total Water	230.00	33%	654,990,772	-	-	335,988,850	0.51	1,628,688,650	2.49	1,964,677,501	3.00
2	Wind Base Power Station, Kutubdia & Hatiya	3.80	2%	661,410	-	-	144,904	0.22	3,940,889	5.96	4,085,793	6.18
	Total Wind	3.80	2%	661,410	-	-	144,904	0.22	3,940,889	5.96	4,085,793	6.18
3	7.4 MW Solar Pv Power Plant At Kaptai	7.40	15%	9,712,274	-	-	-	-	56,235,351	5.79	56,235,351	5.79
	Total Solar	7.40	15%	9,712,274	-	-	-	-	56,235,351	5.79	56,235,351	5.79
4	Baghabari Power Station	171.00	7%	110,150,010	186,222,698	1.69	103,662,114	0.94	702,830,909	6.38	992,715,721	9.01
5	Ghorashal Power Station	630.00	24%	1,319,311,198	1,661,795,186	1.26	93,066,876	0.07	2,373,144,600	1.80	4,128,006,661	3.13
6	Ghorashal Power Station	365.00	41%	1,315,124,459	1,656,521,598	1.26	72,662,327	0.06	2,677,626,109	2.04	4,406,810,035	3.35
7	Chittagong Power Station, Rawzan	360.00	13%	403,449,100	719,068,599	1.78	168,881,059	0.42	1,211,377,183	3.00	2,099,326,841	5.20
8	Shikalbaha Power Station (Gas Generation)	150.00	49%	642,083,760	938,491,105	1.46	170,889,531	0.27	998,504,413	1.56	2,107,885,049	3.28
9	Kumergoan Gt Power Sylhet	20.00	63%	111,029,330	209,167,497	1.88	6,741,715	0.06	203,457,234	1.83	419,366,446	3.78
10	Sylhet 225 MW Peaking Power Plant	231.00	53%	1,075,523,895	1,157,567,488	1.08	275,693,308	0.26	1,736,376,854	1.61	3,169,637,650	2.95
11	Fenchuganj 2x 90 MW CCGP (1st & 2nd Unit)	201.00	36%	637,015,112	897,793,192	1.41	431,305,886	0.68	973,067,161	1.53	2,302,166,239	3.61
12	Shahjibazar Power Station	70.00	59%	361,427,444	595,653,205	1.65	160,621,677	0.44	558,977,345	1.55	1,315,252,227	3.64
13	Tongi Power Station	105.00	0%	(200,350)	-	-	3,357,916	-	228,681,818	-	232,039,734	-
14	Siddirgonj Power Station	115.00	0%	(1,287,000)	-	-	101,068,157	-	727,660,368	-	828,728,526	-
15	Chadpur CC Power Plant	163.00	42%	596,516,880	965,555,231	1.62	114,415,126	0.19	1,038,556,431	1.74	2,118,526,788	3.55
16	Bhola 225 MW CCGP	195.00	18%	315,289,459	416,039,144	1.32	336,266,779	1.07	1,294,525,449	4.11	2,046,831,372	6.49
17	Shahjibazar 330 CCGP	330.00	52%	1,505,298,191	1,751,781,934	1.16	67,126,268	0.04	2,451,123,774	1.63	4,270,031,976	2.84
18	Bibiyana-3 400MW	400.00	53%	1,839,712,000	1,610,452,038	0.88	11,074,404	0.01	2,132,751,342	1.16	3,754,277,784	2.04
19	Shahjibazar 100 P/S	100.00	5%	39,455,245	-	-	3,560,765	0.09	71,117,626	1.80	74,678,391	1.89
20	Bibiyana - South	383.00	40%	1,351,302,135	1,134,868,929	0.84	323,321	0.00	1,495,746,013	1.11	2,630,938,263	1.95
	Sbu Haripur (BPDB Book Costs)	20.00	0%	(422,461)	-	-	-	-	90,047,286	-	90,047,286	-
21	Shikalbaha 225 MW Shamipur (Dual Fuel)	225.00	52%	1,015,075,276	964,594,507	0.95	26,590,431	0.03	2,037,718,990	2.01	3,028,903,928	2.98
	Total Gas	4,234.00	34%	12,635,853,683	14,865,572,352	1.18	2,147,307,659	0.17	23,003,290,907	1.82	40,016,170,918	3.17
22	Barapukuria Power Station	220.00	4%	86,490,537	533,261,823	6.17	36,735,779	0.42	401,849,691	4.65	971,847,293	11.24
23	Barapukuria Power Station	274.00	46%	1,098,325,916	6,771,784,523	6.17	481,031,584	0.44	2,428,978,133	2.21	9,681,794,240	8.82
	Total Coal	494.00	27%	1,184,816,453	7,305,046,345	6.17	517,767,364	0.44	2,830,827,824	2.39	10,653,641,533	8.99
24	Khulna Power Station	170.00	0%	-	-	-	6,974,916	-	341,453,242	-	348,428,157	-
25	Baghabari 50 Peaking Power Plant	50.00	20%	85,489,209	913,783,993	10.69	17,183,926	0.20	310,718,902	3.63	1,241,686,821	14.52
26	Bera Peaking Power Plant	71.00	5%	31,290,740	383,722,539	12.26	34,218,134	1.09	606,731,112	19.39	1,024,671,785	32.75
27	Hathazari Peaking Power Plant	98.00	0%	(856,680)	68,955,110	-	111,838,566	-	176,238,639	-	357,032,315	-
28	Dohazari Peaking Power Plant	102.00	23%	203,257,800	1,851,253,859	9.11	328,135,719	1.61	544,502,307	2.68	2,723,891,885	13.40
29	Faridpur Peaking Power Plant	50.00	4%	15,542,880	209,097,971	13.45	27,950,018	1.80	492,836,039	31.71	729,884,028	46.96
30	Gopalganj Peaking Power Plant	100.00	0%	4,132,618	109,671,167	26.54	10,277,626	2.49	784,213,066	189.76	904,161,859	218.79
31	Titas 50 MW Peaking Power Plant	52.00	10%	45,159,828	473,322,699	10.48	77,820,815	1.72	216,410,526	4.79	767,554,040	17.00
32	Shantahar 50MW Power Plant	50.00	10%	42,808,887	476,369,212	11.13	56,238,251	1.31	390,816,321	9.13	923,423,783	21.57
33	Katakhali 50MW Power Plant	50.00	12%	51,438,387	527,273,764	10.25	79,771,218	1.55	373,998,458	7.27	981,043,441	19.07
34	Chapainobabgonj Peaking Pp 100 MW Amnura	100.00	30%	259,431,440	2,529,013,403	9.75	109,182,513	0.42	603,953,115	2.33	3,242,149,031	12.50
	Sub. Total HFO	893.00	9%	737,695,109	7,542,463,717	10.22	859,591,701	1.17	4,841,871,727	6.56	13,243,927,145	17.95
35	Bheramara Power Station	-	-	(153,245)	33,693	-	3,090,483	-	212,175,243	-	215,299,420	-
36	Barishal Gas Turbine Power Station	-	-	(230,555)	-	-	15,382,270	-	89,741,304	-	105,123,574	-
37	Bhola Diesel Power Station (Closed)	-	-	-	-	-	1,955	-	30,156,042	-	30,157,997	-
38	Sayedpur Gas Turbine Power Station	20.00	1%	2,064,740	77,802,921	37.68	4,342,930	2.10	114,966,271	55.68	197,112,122	95.47
39	Rangpur Gas Turbine Power Station	20.00	1%	1,403,713	66,537,213	47.40	9,194,529	6.55	135,756,139	96.71	211,487,881	150.66
40	Kutubdia Diesel Generator	1.50	0%	-	11,826,541	-	3,027,769	-	137,229,521	-	152,083,831	-
41	Sandip Diesel Generator	2.64	0%	-	-	-	-	-	236,079,639	-	236,079,639	-
42	Hatiya Diesel Generator	2.20	18%	3,516,750	77,939,532	22.16	19,936,204	5.67	136,368,131	38.78	234,243,867	66.61
43	Dgd, Dhaka	-	-	-	522,305	-	70,757,188	-	47,222,384	-	118,501,877	-
	Sub. Total Diesel	46.34	2%	6,601,403	234,662,205	35.55	125,733,328	19.05	1,139,694,674	172.64	1,500,090,207	227.24
	Grand Total (Bpbd Own)	5,908.54	29%	15,230,331,104	29,947,744,619	1.97	3,986,533,806	0.26	33,504,550,022	2.20	67,438,828,447	4.43