Annx – 1 (a)

Computation of FPPAS for the month of April 2023

Sr No	Particulars	Mus
1	Total units procured (long term + short term)	4,818.755
2	Total Units Generated (Net) from Own Thermals	598.863
3	Total units procured (A) (Excluding own Hydro+BBMB)	5,417.618
4	Bulk Sale of power (B) (IEX)	296.147
5	**Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)**	**5,121.470**

6 Incremental Cost of Power Purchase and Own Thermal Generation

Particulars	Approved per year			Actual (For April-2023)		
	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
Power Purchase	57,772	25,741	4.46	4,818.755	1,757	3.65
Own Thermal Generation	4,352	1,771	4.07	598.863	230	3.84
Total	62,124	27,512	4.43	5,417.618	1,987	3.67
Incremental Cost (Rs per unit) (C)	-0.76					
Incremental Cost (Rs Crore) (A-B)*(C)	-389					

Sr No	Particulars	Mus
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (April-2023)	146.782
	Actual Intra State Transmission Charges (Rs Crore) Transco (April-2023)	124.380
	Total Transmission Charges (D) (Rs Crore)	**271.162**
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)	1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)	142.106
	Approved Intra State Transmission Charges (Rs Crore)	1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)	130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)	**272.796**
9	**Incremental Transmission Cost (D-E) (Rs Crore)**	**-1.634**
10	**Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)**	**-390.894**
11	Gross Power Purchase Outside Punjab (MUs)	2,558.957
	Inter State Transmission Losses as per Tariff Order (%)	3.40%
	Inter State Transmission Losses (MUs)	87.005
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)	**2,471.953**
12	Power Purchase within Punjab (MUs) (G)	2,259.797
13	**Net Power Purchase (MUs) H=(F+G)**	**4,731.750**
14	Own Thermal Net Generation (MUs) (I)	598.863
15	**Total Power Purchase and own Thermal Generation (MUs) J= (H+I)**	**5,330.613**
16	Transmission Losses within State as per Tariff Order (%)	2.42%
17	Transmission Losses within State (MUs) (K)	129.00
18	**Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)**	**5,201.612**
19	Bulk Sale (MUs) (B)	296.147
20	**Total Power (MUs) (Z) = (L-B)**	**4,905.465**
21	Distribution Loss as per Tariff Order (%)	12.30%
22	Distribution Loss (Mus)	603.37
23	**Total Power after Distribution Losses (MUs)**	**4,302.093**
24	Average Billing Rate (ABR) Rs Per Unit	7.04
25	**FPPAS (%)**	**-12.90%**
26	**FPPAS (Rs Per Unit)**	**-0.91**

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Addl. SE/TR-II
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Annx- 1 (b)

Computation of FPPAS for the month of May 2023		
Sr No	Particulars	Mus
1	Total units procured (long term + short term)	4,736.177
2	Total Units Generated (Net) from Own Thermals	409.478
3	Total units procured (A) (Excluding own Hydro+BBMB)	5,145.655
4	Bulk Sale of power (B) (IEX)	136.635
5	**Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)**	**5,009.020**

	Incremental Cost of Power Purchase and Own Thermal Generation						
	Particulars	Approved per year			Actual (For May-2023)		
		Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
6	Power Purchase	57,772	25,741	4.46	4,736.177	1,943	4.10
	Own Thermal Generation	4,352	1,771	4.07	409.478	156	3.82
	Total	**62,124**	**27,512**	**4.43**	**5,145.655**	**2,099**	**4.08**
	Incremental Cost (Rs per unit) (C)	**-0.35**					
	Incremental Cost (Rs Crore) (A-B)*(C)	**-175**					

7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (May-2023)	130.557
	Actual Intra State Transmission Charges (Rs Crore) Transco (May-2023)	131.319
	Total Transmission Charges (D) (Rs Crore)	**261.877**
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)	1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)	142.106
	Approved Intra State Transmission Charges (Rs Crore)	1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)	130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)	**272.796**
9	**Incremental Transmission Cost (D-E) (Rs Crore)**	**-10.919**
10	**Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)**	**-185.558**
11	Gross Power Purchase Outside Punjab (MUs)	2,519.204
	Inter State Transmission Losses as per Tariff Order (%)	3.40%
	Inter State Transmission Losses (MUs)	85.653
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)	**2,433.551**
12	Power Purchase within Punjab (MUs) (G)	2,216.973
13	**Net Power Purchase (MUs) H=(F+G)**	**4,650.524**
14	Own Thermal Net Generation (MUs) (I)	409.478
15	**Total Power Purchase and own Thermal Generation (MUs) J= (H+I)**	**5,060.002**
16	Transmission Losses within State as per Tariff Order (%)	2.42%
17	Transmission Losses within State (MUs) (K)	122.45
18	**Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)**	**4,937.550**
19	Bulk Sale (MUs) (B)	136.635
20	**Total Power (MUs) (Z) = (L-B)**	**4,800.915**
21	Distribution Loss as per Tariff Order (%)	12.30%
22	Distribution Loss (Mus)	590.51
23	**Total Power after Distribution Losses (MUs)**	**4,210.403**
24	Average Billing Rate (ABR) Rs Per Unit	7.04
25	**FPPAS (%)**	**-6.26%**
26	**FPPAS (Rs Per Unit)**	**-0.44**

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Annx - 1 (C)

Computation of FPPAS for the month of June 2023 with arrear/revision							
Sr No	Particulars						Mus
1	Total units procured (long term + short term)						5,174.868
2	Total Units Generated (Net) from Own Thermals						657.070
3	Total units procured (A) (Excluding own Hydro+BBMB)						5,831.938
4	Bulk Sale of power (B) (IEX)						302.821
5	Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)						5,529.117
6	Incremental Cost of Power Purchase and Own Thermal Generation						
	Particulars	Approved per year			Actual (For June-2023)		
		Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
	Power Purchase	57,772	25,741	4.46	5,174.868	2,101	4.06
	Own Thermal Generation	4,352	1,771	4.07	657.070	231	3.51
	Total	62,124	27,512	4.43	5,831.938	2,332	4.00
	Incremental Cost (Rs per unit) (C)	-0.43					
	Incremental Cost (Rs Crore) (A-B)*(C)	-238					
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (June-2023)						170.689
	Actual Intra State Transmission Charges (Rs Crore) Transco (June-2023)						131.614
	Total Transmission Charges (D) (Rs Crore)						302.303
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)						1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)						142.106
	Approved Intra State Transmission Charges (Rs Crore)						1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)						130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)						272.796
9	Incremental Transmission Cost (D-E) (Rs Crore)						29.507
10	Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)						-208.090
11	Gross Power Purchase Outside Punjab (MUs)						3,028.406
	Inter State Transmission Losses as per Tariff Order (%)						3.40%
	Inter State Transmission Losses (MUs)						102.966
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)						2,925.440
12	Power Purchase within Punjab (MUs) (G)						2,146.461
13	Net Power Purchase (MUs) H=(F+G)						5,071.902
14	Own Thermal Net Generation (MUs) (I)						657.070
15	Total Power Purchase and own Thermal Generation (MUs) J= (H+I)						5,728.972
16	Transmission Losses within State as per Tariff Order (%)						2.42%
17	Transmission Losses within State (MUs) (K)						138.64
18	Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)						5,590.331
19	Bulk Sale (MUs) (B)						302.821
20	Total Power (MUs) (Z) = (L-B)						5,287.510
21	Distribution Loss as per Tariff Order (%)						12.30%
22	Distribution Loss (Mus)						650.36
23	Total Power after Distribution Losses (MUs)						4,637.146
24	Average Billing Rate (ABR) Rs Per Unit						7.04
25	FPPAS (%)						-6.37%
26	FPPAS (Rs Per Unit)						-0.45

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Annx- 1(c)

Computation of FPPAS for the month of July 2023 with arrear/revision		
Sr No	Particulars	Mus
1	Total units procured (long term + short term)	4,752.369
2	Total Units Generated (Net) from Own Thermals	633.389
3	Total units procured (A) (Excluding own Hydro+BBMB)	5,385.758
4	Bulk Sale of power (B) (IEX)	180.111
5	**Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)**	**5,205.646**

6	Incremental Cost of Power Purchase and Own Thermal Generation						
	Particulars	Approved per year			Actual (For July-2023)		
		Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
	Power Purchase	57,772	25,741	4.46	4,752.369	1,998	4.20
	Own Thermal Generation	4,352	1,771	4.07	633.389	230	3.64
	Total	**62,124**	**27,512**	**4.43**	**5,385.758**	**2,228**	**4.14**
	Incremental Cost (Rs per unit) (C)	-0.29					
	Incremental Cost (Rs Crore) (A-B)*(C)	-152					

7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (July-2023)	149.925
	Actual Intra State Transmission Charges (Rs Crore) Transco (July-2023)	131.597
	Total Transmission Charges (D) (Rs Crore)	**281.522**
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)	1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)	142.106
	Approved Intra State Transmission Charges (Rs Crore)	1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)	130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)	**272.796**
9	**Incremental Transmission Cost (D-E) (Rs Crore)**	**8.726**
10	**Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)**	**-142.904**
11	Gross Power Purchase Outside Punjab (MUs)	2,812.394
	Inter State Transmission Losses as per Tariff Order (%)	3.40%
	Inter State Transmission Losses (MUs)	95.621
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)	**2,716.773**
12	Power Purchase within Punjab (MUs) (G)	1,939.974
13	**Net Power Purchase (MUs) H=(F+G)**	**4,656.747**
14	Own Thermal Net Generation (MUs) (I)	633.389
15	**Total Power Purchase and own Thermal Generation (MUs) J= (H+I)**	**5,290.136**
16	Transmission Losses within State as per Tariff Order (%)	2.42%
17	Transmission Losses within State (MUs) (K)	128.02
18	**Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)**	**5,162.115**
19	Bulk Sale (MUs) (B)	180.111
20	**Total Power (MUs) (Z) = (L-B)**	**4,982.004**
21	Distribution Loss as per Tariff Order (%)	12.30%
22	Distribution Loss (Mus)	612.79
23	**Total Power after Distribution Losses (MUs)**	**4,369.217**
24	Average Billing Rate (ABR) Rs Per Unit	7.04
25	**FPPAS (%)**	**-4.64%**
26	**FPPAS (Rs Per Unit)**	**-0.33**

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Annx - I (E)

~~Annexure 'E'~~

Computation of FPPAS for the month of August-2023 with arrear/revision

Sr No	Particulars	Mus
1	Total units procured (long term + short term)	5,713.891
2	Total Units Generated (Net) from Own Thermals	847.162
3	Total units procured (A) (Excluding own Hydro+BBMB)	6,561.053
4	Bulk Sale of power (B) (IEX)	200.502
5	Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)	6,360.552

6 Incremental Cost of Power Purchase and Own Thermal Generation

Particulars	Approved per year			Actual (For August-2023)		
	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs/unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs/unit)
Power Purchase	57,772	25,741	4.46	5,713.891	2,503	4.38
Own Thermal Generation	4,352	1,771	4.07	847.162	300	3.55
Total	62,124	27,512	4.43	6,561.053	2,803	4.27
Incremental Cost (Rs per unit) (C)	-0.16					
Incremental Cost (Rs Crore) (A-B)*(C)	-99.297					

Sr No	Particulars	Mus
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (August-2023)	164.250
	Actual Intra State Transmission Charges (Rs Crore) Transco (August-2023)	131.600
	Total Transmission Charges (D) (Rs Crore)	295.849
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)	1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)	142.106
	Approved Intra State Transmission Charges (Rs Crore)	1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)	130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)	272.796
9	Incremental Transmission Cost (D-E) (Rs Crore)	23.054
10	Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)	-76.244
11	Gross Power Purchase Outside Punjab (MUs)	3,225.576
	Inter State Transmission Losses as per Tariff Order (%)	3.40%
	Inter State Transmission Losses (MUs)	109.670
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)	3,115.907
12	Power Purchase within Punjab (MUs) (G)	2,488.315
13	Net Power Purchase (MUs) H=(F+G)	5,604.222
14	Own Thermal Net Generation (MUs) (I)	847.162
15	Total Power Purchase and own Thermal Generation (MUs) J= (H+I)	6,451.384
16	Transmission Losses within State as per Tariff Order (%)	2.42%
17	Transmission Losses within State (MUs) (K)	156.12
18	Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)	6,295.260
19	Bulk Sale (MUs) (B)	200.502
20	Total Power (MUs) (Z) = (L-B)	6,094.759
21	Distribution Loss as per Tariff Order (%)	12.30%
22	Distribution Loss (Mus)	749.66
23	Total Power after Distribution Losses (MUs)	5,345.103
24	Average Billing Rate (ABR) Rs Per Unit	7.04
25	FPPAS (%)	-2.03%
26	FPPAS (Rs Per Unit)	-0.14

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~~Annexure (F)~~

Computation of FPPAS for the month of September-2023 with arrear/revision

Sr No	Particulars	Mus
1	Total units procured (long term + short term)	5,076.023
2	Total Units Generated (Net) from Own Thermals	604.871
3	Total units procured (A) (Excluding own Hydro+BBMB)	5,680.894
4	Bulk Sale of power (B) (IEX)	145.800
5	Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)	5,535.094

Incremental Cost of Power Purchase and Own Thermal Generation

Sr No	Particulars	Approved per year			Actual (For September-2023)		
		Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
6	Power Purchase	57,772	25,741	4.46	5,076.023	2,178	4.29
	Own Thermal Generation	4,352	1,771	4.07	604.871	212	3.51
	Total	62,124	27,512	4.43	5,680.894	2,390	4.21
	Incremental Cost (Rs per unit) (C)	-0.22					
	Incremental Cost (Rs Crore) (A-B)*(C)	-122.241					

Sr No	Particulars	Mus
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (September-2023)	189.361
	Actual Intra State Transmission Charges (Rs Crore) Transco (September-2023)	131.600
	Total Transmission Charges (D) (Rs Crore)	320.961
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)	1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)	142.106
	Approved Intra State Transmission Charges (Rs Crore)	1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)	130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)	272.796
9	Incremental Transmission Cost (D-E) (Rs Crore)	48.165
10	Total Incremental Cost (Rs Crore) (A-B)*(C)+ (D-E)	-74.076
11	Gross Power Purchase Outside Punjab (MUs)	2,980.000
	Inter State Transmission Losses as per Tariff Order (%)	3.40%
	Inter State Transmission Losses (MUs)	101.320
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)	2,878.680
12	Power Purchase within Punjab (MUs) (G)	2,096.024
13	Net Power Purchase (MUs) H=(F+G)	4,974.703
14	Own Thermal Net Generation (MUs) (I)	604.871
15	Total Power Purchase and own Thermal Generation (MUs) J= (H+I)	5,579.574
16	Transmission Losses within State as per Tariff Order (%)	2.42%
17	Transmission Losses within State (MUs) (K)	135.03
18	Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)	5,444.549
19	Bulk Sale (MUs) (B)	145.800
20	Total Power (MUs) (Z) = (L-B)	5,298.749
21	Distribution Loss as per Tariff Order (%)	12.30%
22	Distribution Loss (Mus)	651.75
23	Total Power after Distribution Losses (MUs)	4,647.003
24	Average Billing Rate (ABR) Rs Per Unit	7.04
25	FPPAS (%)	-2.26%
26	FPPAS (Rs Per Unit)	-0.16

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Addl. SE/TR-II
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Annexure-C

Computation of FPPAS for the month of October-2023 with arrear/revision

Sr No	Particulars	Mus
1	Total units procured (long term + short term)	4,143.733
2	Total Units Generated (Net) from Own Thermals	755.922
3	Total units procured (A) (Excluding own Hydro+BBMB)	4,899.655
4	Bulk Sale of power (B) (IEX)	232.805
5	Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)	4,666.850

6 Incremental Cost of Power Purchase and Own Thermal Generation

Particulars	Approved per year			Actual (For October-2023)		
	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
Power Purchase	57,772	25,741	4.46	4,143.733	1,877	4.53
Own Thermal Generation	4,352	1,771	4.07	755.922	256	3.39
Total	62,124	27,512	4.43	4,899.655	2,133	4.35
Incremental Cost (Rs per unit) (C)	-0.08					
Incremental Cost (Rs Crore) (A-B)*(C)	-35.106					

Sr No	Particulars	Mus
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (October-2023)	164.219
	Actual Intra State Transmission Charges (Rs Crore) Transco (October-2023)	131.598
	Total Transmission Charges (D) (Rs Crore)	295.817
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)	1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)	142.106
	Approved Intra State Transmission Charges (Rs Crore)	1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)	130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)	272.796
9	Incremental Transmission Cost (D-E) (Rs Crore)	23.021
10	Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)	-12.084
11	Gross Power Purchase Outside Punjab (MUs)	2,085.291
	Inter State Transmission Losses as per Tariff Order (%)	3.40%
	Inter State Transmission Losses (MUs)	70.900
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)	2,014.391
12	Power Purchase within Punjab (MUs) (G)	2,058.443
13	Net Power Purchase (MUs) H=(F+G)	4,072.833
14	Own Thermal Net Generation (MUs) (I)	755.922
15	Total Power Purchase and own Thermal Generation (MUs) J= (H+I)	4,828.755
16	Transmission Losses within State as per Tariff Order (%)	2.42%
17	Transmission Losses within State (MUs) (K)	116.86
18	Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)	4,711.899
19	Bulk Sale (MUs) (B)	232.805
20	Total Power (MUs) (Z) = (L-B)	4,479.094
21	Distribution Loss as per Tariff Order (%)	12.30%
22	Distribution Loss (Mus)	550.93
23	Total Power after Distribution Losses (MUs)	3,928.166
24	Average Billing Rate (ABR) Rs Per Unit	7.04
25	FPPAS (%)	-0.44%
26	FPPAS (Rs Per Unit)	-0.03

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(T) Annex-2.

Computation of FPPAS for the month of November-2023 with arrear/revision							
Sr No	Particulars						Mus
1	Total units procured (long term + short term)						3,748.221
2	Total Units Generated (Net) from Own Thermals						449.965
3	Total units procured (A) (Excluding own Hydro+BBMB)						4,198.186
4	Bulk Sale of power (B) (IEX)						50.331
5	Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)						4,147.855
6	Incremental Cost of Power Purchase and Own Thermal Generation						
	Particulars	Approved per year			Actual (For November-2023)		
		Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
	Power Purchase	57,772	25,741	4.46	3,748.221	1,735	4.63
	Own Thermal Generation	4,352	1,771	4.07	449.965	155	3.43
	Total	62,124	27,512	4.43	4,198.186	1,890	4.50
	Incremental Cost (Rs per unit) (C)	0.07					
	Incremental Cost (Rs Crore) (A-B)*(C)	30.284					
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (November-2023)						188.785
	Actual Intra State Transmission Charges (Rs Crore) Transco (November-2023)						131.596
	Total Transmission Charges (D) (Rs Crore)						320.381
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)						1,705.270
	Approved Inter State Transmission Charges per month (Rs Crore)						142.106
	Approved Intra State Transmission Charges (Rs Crore)						1,568.280
	Approved Intra State Transmission Charges per month (Rs Crore)						130.690
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)						272.796
9	Incremental Transmission Cost (D-E) (Rs Crore)						47.585
10	Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)						77.869
11	Gross Power Purchase Outside Punjab (MUs)						1,954.932
	Inter State Transmission Losses as per Tariff Order (%)						3.40%
	Inter State Transmission Losses (MUs)						66.468
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)						1,888.464
12	Power Purchase within Punjab (MUs) (G)						1,793.289
13	Net Power Purchase (MUs) H=(F+G)						3,681.753
14	Own Thermal Net Generation (MUs) (I)						449.965
15	Total Power Purchase and own Thermal Generation (MUs) J= (H+I)						4,131.718
16	Transmission Losses within State as per Tariff Order (%)						2.42%
17	Transmission Losses within State (MUs) (K)						99.99
18	Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)						4,031.730
19	Bulk Sale (MUs) (B)						50.331
20	Total Power (MUs) (Z) = (L-B)						3,981.400
21	Distribution Loss as per Tariff Order (%)						12.30%
22	Distribution Loss (Mus)						489.71
23	Total Power after Distribution Losses (MUs)						3,491.688
24	Average Billing Rate (ABR) Rs Per Unit						7.04
25	FPPAS (%)						3.17%
26	FPPAS (Rs Per Unit)						0.22

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~~Annexure~~ 'C'

Computation of FPPAS for the month of December-2023 with arrear/revision

Sr No	Particulars	Mus
1	Total units procured (long term + short term)	4,330.79
2	Total Units Generated (Net) from Own Thermals	740.56
3	Total units procured (A) (Excluding own Hydro+BBMB)	5,071.35
4	Bulk Sale of power (B) (IEX)	7.34
5	Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)	5,064.01

Incremental Cost of Power Purchase and Own Thermal Generation

Particulars	Approved per year			Actual (For December-2023)		
	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)	Units (MUs)	Amount (Rs Crore)	Average Cost (Rs./unit)
Power Purchase	57,772	25,741	4.46	4,330.79	1,969	4.55
Own Thermal Generation	4,352	1,771	4.07	740.56	253	3.41
Total	62,124	27,512	4.43	5,071.35	2,222	4.38
Incremental Cost (Rs per unit) (C)	-0.05					
Incremental Cost (Rs Crore) (A-B)*(C)	-24.225					

Sr No	Particulars	Mus
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (December-2023)	157.09
	Actual Intra State Transmission Charges (Rs Crore) Transco (December-2023)	131.60
	Total Transmission Charges (D) (Rs Crore)	288.69
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)	1,705.27
	Approved Inter State Transmission Charges per month (Rs Crore)	142.11
	Approved Intra State Transmission Charges (Rs Crore)	1,568.28
	Approved Intra State Transmission Charges per month (Rs Crore)	130.69
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)	272.80
9	Incremental Transmission Cost (D-E) (Rs Crore)	15.89
10	Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)	-8.34
11	Gross Power Purchase Outside Punjab (MUs)	2,486.95
	Inter State Transmission Losses as per Tariff Order (%)	3.40%
	Inter State Transmission Losses (MUs)	84.56
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)	2,402.40
12	Power Purchase within Punjab (MUs) (G)	1,843.84
13	Net Power Purchase (MUs) H=(F+G)	4,246.24
14	Own Thermal Net Generation (MUs) (I)	740.56
15	Total Power Purchase and own Thermal Generation (MUs) J= (H+I)	4,986.80
16	Transmission Losses within State as per Tariff Order (%)	2.42%
17	Transmission Losses within State (MUs) (K)	120.68
18	Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)	4,866.12
19	Bulk Sale (MUs) (B)	7.34
20	Total Power (MUs) (Z) = (L-B)	4,858.77
21	Distribution Loss as per Tariff Order (%)	12.30%
22	Distribution Loss (Mus)	597.63
23	Total Power after Distribution Losses (MUs)	4,261.14
24	Average Billing Rate (ABR) Rs Per Unit	7.04
25	FPPAS (%)	-0.28%
26	FPPAS (Rs Per Unit)	-0.02

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Computation of FPPAS for the month of January-2024 with arrear/revision							
Sr No	Particulars						Mus
1	Total units procured (long term + short term)						5,103.54
2	Total Units Generated (Net) from Own Thermals						792.32
3	Total units procured (A) (Excluding own Hydro+BBMB)						5,895.86
4	Bulk Sale of power (B) (IEX)						19.97
5	**Total units Procured and Generated excluding Bulk Sale (MUs) (A-B)**						**5,875.89**
6	**Incremental Cost of Power Purchase and Own Thermal Generation**						
	Particulars	**Approved per year**			**Actual (For January-2024)**		
		Units (MUs)	**Amount (Rs Crore)**	**Average Cost (Rs./unit)**	**Units (MUs)**	**Amount (Rs Crore)**	**Average Cost (Rs./unit)**
	Power Purchase	57,772	25,741	4.46	5,103.54	2,487	4.87
	Own Thermal Generation	4,352	1,771	4.07	792.32	283	3.57
	Total	**62,124**	**27,512**	**4.43**	**5,895.86**	**2,770**	**4.70**
	Incremental Cost (Rs per unit) (C)	**0.27**					
	Incremental Cost (Rs Crore) (A-B)*(C)	**158.828**					
7	Actual Inter State Transmission Charges (Rs Crore) PGCIL (January-2024)						209.05
	Actual Intra State Transmission Charges (Rs Crore) Transco (January-2024)						131.59
	Total Transmission Charges (D) (Rs Crore)						**340.64**
8	Approved Inter State Transmission Charges (Rs Crore) (2023-24)						1,705.27
	Approved Inter State Transmission Charges per month (Rs Crore)						142.11
	Approved Intra State Transmission Charges (Rs Crore)						1,568.28
	Approved Intra State Transmission Charges per month (Rs Crore)						130.69
	Approved Total Transmission Charges (E) (Rs Crore) (Per Month)						**272.80**
9	**Incremental Transmission Cost (D-E) (Rs Crore)**						**67.84**
10	**Total Incremental Cost (Rs Crore) (A-B)*(C) + (D-E)**						**226.67**
11	Gross Power Purchase Outside Punjab (MUs)						3,024.61
	Inter State Transmission Losses as per Tariff Order (%)						3.40%
	Inter State Transmission Losses (MUs)						102.84
	Net Power Purchase Outside Punjab (MUs) (F) (After Loss)						**2,921.77**
12	Power Purchase within Punjab (MUs) (G)						2,078.93
13	**Net Power Purchase (MUs) H=(F+G)**						**5,000.71**
14	Own Thermal Net Generation (MUs) (I)						792.32
15	**Total Power Purchase and own Thermal Generation (MUs) J= (H+I)**						**5,793.02**
16	Transmission Losses within State as per Tariff Order (%)						2.42%
17	Transmission Losses within State (MUs) (K)						140.19
18	**Total Power Purchase & own Thermal Generation after Transmission Losses (MUs)(L)**						**5,652.83**
19	Bulk Sale (MUs) (B)						19.97
20	**Total Power (MUs) (Z) = (L-B)**						**5,632.86**
21	Distribution Loss as per Tariff Order (%)						12.30%
22	Distribution Loss (Mus)						692.84
23	**Total Power after Distribution Losses (MUs)**						**4,940.02**
24	Average Billing Rate (ABR) Rs Per Unit						7.04
25	**FPPAS (%)**						**6.51%**
26	**FPPAS (Rs Per Unit)**						**0.46**

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