

FPPAS Calculation for Month of July 2025

Date: 11.11.2025

As per BERC Multi Year Distribution Tariff (First Amendment) Regulations, 2023 in accordance with clause 14 of the Electricity (Amendment) Rules, 2022, Fuel and Power Purchase Adjustment Surcharge for each month (nth month) is required to be computed by Bihar DISCOMs and the same needs to be recovered from the consumer in (n+2)th month. The formula for monthly FPPAS for nth month (in %) is as follows:

$$\text{Monthly FPPAS for nth Month (\%)} = \frac{(A-B)*C + (D-E)}{\{Z * (1 - \text{Distribution losses in \%}/100)\} * \text{ABR}}$$

Parameter	Data Source
A = Total units procured in (n)th Month (in kWh) from all Sources including Long-term, Medium-term and Short-term Power purchases	Power purchase related bills for power procured in (n)th month along with revision bills of (n)th month received in (n+1)th month by the distribution licensees
B = bulk sale of power from all Sources in nth Month (in kWh)	Provisional accounts to be issued by State Load Dispatch Centre by the 10th day of each month
C = Incremental Average Power Purchase Cost	Actual average Power Purchase Cost (APPC) from all Sources in (n)th month (Rs./ kWh) - Projected average Power Purchase Cost (APPC) from all Sources (Rs./ kWh) (from Tariff Order)
D = Actual inter-state and intra-state Transmission Charges in the (n)th Month	Bills raised by Transcos to Discom (in Rs.)
E = Base Cost of Transmission Charges for (n)th Month	(Approved Transmission Charges/ 12) (in Rs.)
Z = [{Actual Power purchased from all the sources outside the State in (n)th Month (in kWh)* (1 - Interstate transmission losses in % / 100) + Power purchased from all the sources within the State(in kWh)}*(1 - Intra state losses in % /100) - B] in kWh	-
ABR = Average Billing Rate for the year	ABR data from the Tariff Order (in Rs/kWh)
Distribution Losses (in %)	Target Distribution Losses (from Tariff Order)
Inter-state transmission Losses (in %), Intra-state transmission Losses (in %)	As per "Tariff Order"

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Accordingly, as per the Power Purchase bills received to the Commercial Departments of both DISCOMs for the Month of July 2025 ,the FPPAS for the month is (-3.14%).The calculation arrived as follows:-

Month :- July 2025

Parameter	value	Reference
Total units procured from all the sources outside the State in (n)th Month (in kWh) (A1)	4870325199 Kwh	As per reconciled Power purchase data.
Total units procured from all the sources within the State in (n)th Month (in kWh) (A2)	439559456 Kwh	As per reconciled Power purchase data.
A = Total units procured in (n)th Month (in kWh) from all Sources including Long-term, Medium -term and Short-term Power purchases	5309884655 Kwh	As per reconciled Power purchase data.
B = bulk sale of power from all Sources in nth Month (in kWh)	226694325 Kwh	As per details provided by PMC, BSPHCL email /letter dated.....
APPC for current month.	Rs 4.61 Kwh	As per reconciled Power purchase data.
Projected APPC for FY 2025-26.	Rs. 4.81 Kwh	Approved in the Tariff Order for FY 24-25 dt 01.03.2024
C = Incremental Average Power Purchase Cost (A-B)*C	(0.20)	
D = Actual inter-state and intra-state Transmission Charges in the (n)th Month	Rs.3235312793	As per reconciled Power purchase data.
E = Base Cost of Transmission Charges for (n)th Month	Rs3413491667	As per clause6.35 page427 of Tariff Order for FY 25-26
(D-E)	(178178874)	
Inter-state transmission Losses (in %)	3.55%	As per clause7.5, page481 of Tariff Order for FY 25-26
Intra-state transmission Losses (in %)	2.56%	As per clause7.4 , page481of Tariff Order for FY 25-26
Z = [{Actual Power purchased from all the sources outside the State in (n)th Month (in kWh)* (1 - Interstate transmission losses in % / 100) + Power purchased from all the sources within the State(in kWh)}*(1 - Intra state losses in % /100) - B] in kWh	4778748890 Kwh	
ABR = Average Billing Rate for the year	Rs9.37 / Kwh	Page745-752 of Tariff Order for FY 25-26
Distribution Losses (in %)	15.56%	Page627 of Tariff Order for FY 25-26
FPPAS % for nth Month (July 2025) = [(A-B)*C + (D-E)] / [Z*(1-DL%)*ABR]	-3.14%	

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Parameters at Bihar level

Power Purchase (kWh)	4,870,325,199
CENTRAL	439,559,456
STATE	
OTHER	
Average Power purchase cost (APPC) at ex-bus for the month of July 2025 (in Rs./kWh)	4.61
APPC at ex-bus (Approved in the Tariff Order for FY 2025-26 dated 28.03.2025) (in Rs./kWh)	4.81
Interstate transmission loss in % (Approved in Tariff Order for FY 2025-26)	3.55%
Intra state loss in % (Approved in Tariff Order for FY 2025-26)	2.56%
Distribution Loss in % (Target DL from Tariff Order for FY 2025 ABR at Bihar level for FY 2025-26 (from the Tariff Order for FY 2025-26)	15.56%
	9.37
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PPPAS Calculation for Bihar DISCOMS	
A	5,309,884,655 kWh
B	226,694,325 kWh
C	(0.20) Rs./kWh
D	3,235,312,793 Rs.
E	3,413,491,667 Rs.
(A-B)/C + (D-E)	(1,188,598,793) Rs.
Z	4,778,786,890 kWh
Z*(1-DL%)*ABR	37,809,895,680 Rs.
FFPAS % for nth Month (July 2025)	-3.14%


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A = Total units procured in (n)th Month (in kWh) from all Sources including Long-term, Medium-term and Short-term Power purchases	Power purchase related bills for power procured in (n)th month along with revision bills of (n)th month received in (n+1)th month by the distribution licensees
B = bulk sale of power from all Sources in nth Month, (in kWh)	Provisional accounts to be issued by State Load Dispatch Centre by the 10th day of each month
C = Incremental Average Power Purchase Cost	Actual average Power Purchase Cost (APPC) from all Sources in (n)th month (Rs./kWh) - Projected average Power Purchase Cost (APPC) from all Sources (Rs./kWh) (from Tariff Order)
D = Actual inter-state and intra-state Transmission Charges in the (n)th Month	Bills raised by Transcos to Discom (in Rs.)
E = Base Cost of Transmission Charges for (n)th Month	(Approved Transmission Charges/ 12) (in Rs.)

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S. No.	Generating Station Thermal based Generating Station	Central / State	NEPDC			SBPDC			Bihar			BERC approved Rate for FY25-26 for NB in TO dt. 28.03.2026	BERC approved Rate for FY25-26 for SB in TO dt. 28.03.2026
			kWh	Amount Rs.	kWh	Amount Rs.	kWh	Amount Rs.	R\$/kWh	R\$/kWh			
1	NABINAGAR POWER GENERATION COMPANY LIMITED	CENTRAL	453,643,318	2,238,892,095	532,537,808	2,629,391,590	996,181,126	4,869,243,665	4.94	7.20	7.47		
2	BHARTIYA RAIL BIULEE COMPANY LIMITED	CENTRAL	19,965,916	108,067,872	23,438,249	128,862,285	43,404,165	234,930,157	5.41	7.41	7.69		
3	NTPC(BARH-I)	CENTRAL	199,590,501	1,099,214,926	234,301,892	1,278,643,609	433,892,393	2,367,858,535	5.46	5.59	5.75		
4	NTPC(BARH-II)	CENTRAL	146,488,330	869,242,726	171,964,561	1,020,415,374	318,452,891	1,889,658,100	5.93	7.35	7.62		
5	NTPC(DARULPALLI)	CENTRAL	43,802,281	181,811,089	51,420,046	213,430,409	95,222,307	395,241,498	4.15	2.95	3.05		
6	NTPC(FARAKKA - I & II)	CENTRAL	83,321,187	407,095,052	97,811,805	477,894,191	181,132,972	884,989,243	4.89	4.95	5.06		
7	NTPC(FARAKKA - III)	CENTRAL	15,414,980	89,658,564	18,095,846	105,251,358	33,510,826	194,909,922	5.82	6.70	6.93		
8	NTPC(KAHALGAUN - I)	CENTRAL	10,138,341	52,069,669	11,901,531	61,159,307	22,039,872	113,257,976	5.14	11.41	11.96		
9	NTPC(KAHALGAUN - II)	CENTRAL	14,697,848	57,954,195	17,253,995	68,033,186	31,951,843	125,987,381	3.94	4.24	4.34		
10	NTPC(NORTH KARANPURA)	CENTRAL	192,044,996	794,211,701	225,444,126	932,335,475	417,489,122	1,726,547,176	4.14	2.90	2.99		
11	NTPC(TALCHAR)	CENTRAL	115,034,803	296,986,300	135,040,856	348,636,091	250,075,659	645,622,391	2.58	2.84	2.90		
12	NTPC(BARAUNI-I)	STATE	129,481,550	599,940,856	151,976,802	704,278,396	281,438,152	1,304,219,252	4.63	5.10	5.26		
13	NTPC(KBUNL-II)	STATE	60,876,863	376,288,384	71,464,144	441,729,842	132,341,007	818,018,226	6.18	7.43	7.73		
14	GMR KAMALANGA ENERGY LIMITED	CENTRAL	52,166,936	223,058,095	61,239,447	281,850,796	113,406,383	484,908,881	4.28	3.08	3.19		
15	JINDAL INDIA THERMAL POWER LIMITED	CENTRAL	72,481,758	244,268,219	85,087,281	266,748,648	157,569,039	531,017,867	3.37	4.25	4.44		
16	Unallocated Power purchase	CENTRAL	118,320,723	427,805,271	138,898,240	502,206,188	257,219,962	930,011,459	3.62				
Renewable (Solar, Wind, bagasse) based Generation													
17	SECI (FOCAL)	CENTRAL	427,680	2,544,696	502,059	2,987,252	929,739	5,531,948	5.95	5.91	5.91		
18	SECI (VIDID SOLAIRE ENERGY PVT. LTD.)	CENTRAL	13,284,859	33,477,795	15,595,246	39,300,020	28,880,085	72,777,315	2.52	2.52	2.52		
19	SECI (GREEN INFRA WIND ENERGY PVT. LTD.)	CENTRAL	10,963,611	27,518,663	12,870,326	32,304,518	23,833,937	59,823,181	2.51	2.51	2.51		
20	SECI (Morjar Windfarms Pvt. Ltd.)	CENTRAL	5,988,603	17,307,062	7,030,099	20,316,986	13,018,702	37,624,048	2.89	2.19	2.19		
21	SECI (GREENKO SIRONJI WIND POWER PVT. LTD.)	CENTRAL	23,126,427	62,672,617	27,148,414	73,572,202	50,274,841	136,244,819	2.71	2.71	2.71		
22	SECI (ALFANAR ENERGY PVT. LTD.)	CENTRAL	6,100,841	15,374,120	7,161,957	18,047,880	13,262,696	33,422,000	2.62	2.52	2.52		
23	SECI (OSTRO KANNADA POWERPRIVATE LIMITED)	CENTRAL	44,247,814	127,876,183	51,943,086	150,115,519	96,190,900	277,991,702	2.89	2.18	2.18		
24	SECI (RENEW SUNWAVES PRIVATE LIMITED)	CENTRAL	23,892,368	62,571,857	28,035,847	73,453,919	51,918,235	136,025,776	2.62	2.62	2.62		
25	SECI (GRT Jewellers)	CENTRAL	13,101,953	35,443,392	15,980,800	41,607,460	28,482,593	77,050,852	2.71	2.60	2.60		
26	SECI ACME Phalodi	CENTRAL	18,828,690	47,260,012	22,103,245	55,479,145	40,931,935	102,739,157	2.51	2.51	2.51		
27	SECI ACME Raisar	CENTRAL	27,990,893	70,232,041	32,847,135	82,446,308	60,828,028	152,678,350	2.51	2.51	2.51		
28	SECI ACME Dhaupur	CENTRAL	13,859,642	34,787,703	16,270,015	40,857,738	30,129,657	75,625,441	2.51	2.51	2.51		
29	SECI Adani P1 180MW	CENTRAL	17,466,272	47,508,261	20,503,885	55,770,567	37,970,157	103,278,828	2.72	2.72	2.72		
30	SECI Adani P2 150MW	CENTRAL	12,358,705	33,615,677	14,508,045	39,461,882	26,866,750	73,077,559	2.72	2.72	2.72		
31	PTC (OSTRO KUTCH WIND PRIVATE LIMITED)	CENTRAL	5,999,487	21,178,189	7,042,876	24,861,352	13,042,363	46,039,541	3.53	3.53	3.53		
32	PTC (GREEN INFRA RENEWABLE ENERGY LIMITED)	CENTRAL	11,886,772	41,960,306	13,954,037	49,257,751	25,940,809	91,218,057	3.53	3.53	3.53		
33	PTC (MYTRAH VAYU SABARMATI PRIVATE LIMITED)	CENTRAL	10,761,520	37,988,166	12,633,089	44,594,804	23,394,609	82,582,970	3.53	3.53	3.53		
34	NTPC SB ENERGY SIX PRIVATE LIMITED	CENTRAL	24,960,520	66,644,589	29,301,480	78,234,952	54,262,000	144,879,541	2.67	2.67	2.67		
35	TRUPATI SUGAR LIMITED	STATE									7.52	7.52	
36	HARINAGAR SUGAR MILL	STATE											
37	HASANPUR SUGAR MILL	STATE											
38	RIGA SUGAR COMPANY LIMITED	STATE											
39	BIHAR DISTILLERS AND BOTTLERS PRIVATE LIMITED	STATE											
40	SIDDHASHRAM RICE MILL CLUSTER PVT. LTD	STATE	359,996	2,661,469	422,604	3,124,333	782,600	5,785,802	7.39	8.21	8.21		
41	GLATT SOLUTION PRIVATE LIMITED	STATE	157,719	1,107,185	185,148	1,299,739	342,867	2,406,924	7.02	7.02	7.02		
42	RESPONCE RENEWABLE ENERGY PRIVATE LIMITED	STATE	524,676	3,683,225	615,924	4,323,786	1,140,600	8,007,011	7.02	7.02	7.02		
43	ALFA INFRA PROP PVT. LTD.	STATE	771,141	6,068,883	905,253	7,124,341	1,676,394	13,193,224	7.87	7.96	7.96		
44	AVANTIKA CONTRACTOR (I) PVT. LTD.	STATE	309,511	2,380,140	363,339	2,794,077	672,850	5,174,217	7.89	7.69	7.69		
45	WALWAHAN I	STATE	432,501	3,762,762	507,719	4,417,155	940,220	8,179,917	8.70	8.69	8.69		
46	WALWAHAN II	STATE	656,673	5,673,654	770,877	6,660,377	1,427,550	12,334,031	8.64	8.64	8.64		
47	WALWAHAN III	STATE	650,178	5,565,820	763,292	6,533,437	1,413,430	12,098,957	8.56	8.56	8.56		
48	UDIPTA ENERGY AND EQUIPMENT PRIVATE LIMITED	STATE	195,454	1,599,723	229,446	1,830,979	424,900	3,390,702	7.98	7.98	7.98		
49	SUNMARK ENERGY PROJECT LIMITED	STATE	355,129	2,483,008	416,891	2,926,575	772,020	5,419,583	7.02	7.02	7.02		
50	ACME (MAGADH)	STATE	475,575	4,151,772	558,284	4,873,819	1,033,859	9,025,591	8.73	8.73	8.73		
51	ACME (NALANDA)	STATE	711,583	6,212,123	835,337	7,292,492	1,546,920	13,504,615	8.73	8.73	8.73		
52	AZURE POWER ERIS PVT. LTD.	STATE	565,965	4,748,449	664,394	5,574,266	1,230,359	10,322,715	8.39	8.39	8.39		
53	Avastha Banika	STATE	3,121,103	9,706,629	3,663,903	11,394,738	6,785,006	21,101,367	3.11	3.11	3.11		
54	Avastha	STATE	101,476	421,126	119,124	494,366	220,600	915,491	4.15	4.16	4.16		

Handwritten signature and initials: "Steel (copy)", "A.O.P.M.", "R", "L.S.P.", "Lak".

